



THE WORLD LEADER IN  
FUME EXTRACTION TECHNOLOGY

## 2018 PRODUCT RANGE



Laser

Electronics

Printing  
& 3D Printing

Mechanical  
Engineering

Dental

Pharmaceutical  
& Medical

Beauty



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Dental 44

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FUME AND DUST EXTRACTION



THE WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# BOFA INTERNATIONAL IS THE MULTI AWARD-WINNING WORLD LEADER IN FUME EXTRACTION AND FILTRATION TECHNOLOGY.



We design, develop and manufacture systems for a wide range of industrial sectors and applications.

Our products ensure operator safety by capturing harmful dust and fumes which are generated during industrial processes while minimising disruption to production.

## WHY BOFA

- ✓ Over 30 years' **experience**
- ✓ Market **leader**
- ✓ **Unrivalled** expertise in fume and dust extraction and filtration
- ✓ **Innovative** world-class solutions
- ✓ High **quality**, affordable systems
- ✓ Developed by **experts**
- ✓ **Dedicated** in house capabilities
- ✓ Offices in the **UK, USA and Germany**
- ✓ **Global** network of distributors
- ✓ Keeping the world working **safely**
- ✓ Continual **investment**
- ✓ **Environmental** policy

## OUR PRODUCTS

- ✓ Proven **safe** and **innovative** solutions
- ✓ **Fast** and **easy** to install
- ✓ **Low** level noise
- ✓ **Compact** designs with small footprint
- ✓ **Long** life filters with **low** replacement costs
- ✓ **Patented** products, software and filter technology
- ✓ Highest **quality** standards, including our own SureCHECK standard
- ✓ Clean and energy **efficient**
- ✓ **Global** systems suitable for a wide range of applications
- ✓ **Award** winning



We apply our extensive expertise to constantly find new methods to allow customers to protect both their employees and the environment, whilst reducing energy consumption and downtime.

This is essential when striving to satisfy today's ever increasing demand for low operating costs and the challenges presented through the development of new materials and processes.



Our systems ensure hazardous particles and fumes are captured and filtered out before the cleaned air is recirculated back into the production environment.

We develop reliable, simple to use and cost effective products that meet and exceed global health and safety legislation, encouraging green initiatives and environmental good practices throughout our manufacturing process.

Our in house approach provides our customers with the peace of mind that specialist advice and expertise will always be at hand to deliver timely and effective product solutions, from the initial research and development to our comprehensive pre and post sales support.

***This underlines why BOFA is the world leader in fume extraction technology.***

## 30 YEARS OF EXCELLENCE

***Ours is an unrivalled heritage of providing fume extraction solutions throughout the world.***

**1987**

BOFA UK Ltd founded

**2003**

ADVANTAGE range launched (Page 12)

**2004**

Name changes to BOFA International Ltd

**2007**

PrintPRO (Page 30) & PureBEAUTY (Page 54) ranges launched

**2008**

BOFA Americas Inc. formed

**2011**

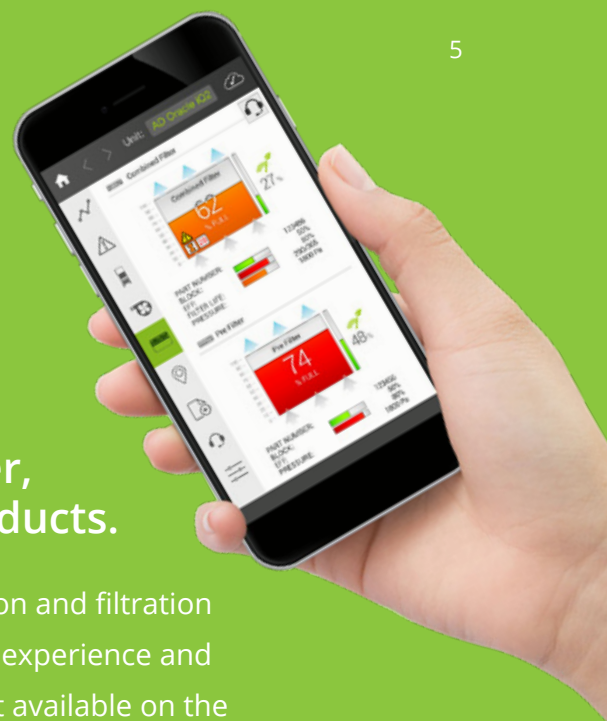
DentalPRO (Page 44) & FumeCAB (Page 50) ranges launched

Est  
1987

# MARKET LEADING TECHNOLOGY

We are recognised as the market leader, delivering great value, high quality products.

Many years of designing and manufacturing fume extraction and filtration systems for a wide range of industries has given BOFA the experience and expertise to ensure that our product solutions are the best available on the market. We have applied our in-depth understanding of industrial processes and applications into the design and manufacture of our products.



Throughout this brochure you will see icons next to products to show their key features:



#### Intelligent (iQ) Operating System

Our patent-protected award-winning Intelligent (iQ) Operating System performs at two distinct levels: operators benefit from the ease of operation and clarity of real time information and the system provides a cache of analytical data, enabling users to download performance and operating parameters for evaluation purposes. **See page 8 for more information.**

Find out more: [bofainternational.com/iq](http://bofainternational.com/iq)



#### DeepPleat pre filter

The DeepPleat pre filter consists of a pleated filter of 100mm depth or greater, allowing for increased surface area within a smaller area. This means BOFA filters last a long time and do not take up a large footprint.

Find out more: [bofainternational.com/deepleat](http://bofainternational.com/deepleat)



#### DeepPleat DUO pre filter

Our patent-protected DeepPleat DUO pre filter technology is designed to maximise filter life. It incorporates a large capacity drop-out chamber within the filter. Above this chamber is an impressive surface area to deal with high volumes and variety of particulate, ensuring optimised performance and filter life.

The DeepPleat DUO is designed for easy and safe installation and replacement, which is particularly important as often harmful contaminants are captured within the filter. **See page 9 for more information**

Find out more: [bofainternational.com/deepleatduo](http://bofainternational.com/deepleatduo)



#### HEPA filter

Removes 99.997% of particles at 0.3 micron in size.

Find out more: [bofainternational.com/hepa](http://bofainternational.com/hepa)



#### AFC: Automatic flow control

AFC allows the operator to preset correct airflow rates for the specific application, subsequently maintaining this airflow. This generates lower noise levels and ensures further protection of HEPA filters.

Find out more: [bofainternational.com/afc](http://bofainternational.com/afc)



#### RFA: Reverse flow air technology

RFA enhances filter performance and ensures longer filter life. It causes a fall in velocity and air direction change. Larger particulate falls out of the airstream into the drop out chamber. With less particulate entering the filter media the filter life is significantly increased. Contaminated air entering the drop out chamber is pulled vertically through the filters.

Find out more: [bofainternational.com/rfa](http://bofainternational.com/rfa)



#### ACF: Advanced carbon filter

ACF assures safe capture and removal of hazardous fumes.

Contaminated air must remain in contact with the carbon bed for a period of time sufficient to ensure that no contaminants or odours are emitted ('dwell time'). Our design considers the balance between airflow rates and the type, depth and surface area of the carbon used to ensure suitability for the contaminants associated with the application and to ensure appropriate dwell times are achieved.

Our filters have been developed to capture contaminants and odours, eliminating the risk of bypass and/or tunnelling.

Find out more: [bofainternational.com/acf](http://bofainternational.com/acf)



#### MVS: Multi voltage sensing unit

Our MVS units automatically sense local voltage and automatically operate between 90-257V, for global use.



#### PATENTED technology

We invest in innovation and our products have a heritage of being tried, tested and trusted. We take great care in protecting our intellectual property and our integrity. Our product range includes aspects which are protected under patent copyright, design copyright, registered design and trade mark laws.



#### ProTECT

Our ProTECT service plan gives you peace of mind that your LEV systems are being expertly maintained throughout their working life.

Find out more: [bofainternational.com/protect](http://bofainternational.com/protect)



#### SureCHECK quality standard

In recognition of the importance of quality, health and safety and environmental management, we have created our SureCHECK quality standard, applied to every product we make.

Find out more: [bofainternational.com/surecheck](http://bofainternational.com/surecheck)

2012

Win Queen's Award: International Trade

2013

Win PPMA award

2014

3D PrintPRO range launched (Page 35)

2017

Win Queen's Award: Innovation Office in Germany opened



2018

Open new global head office & Centre of Excellence  
Listed in The Sunday Times  
HSBC International Track 200



THE WORLD LEADER IN FUME EXTRACTION TECHNOLOGY

# QUALITY MANUFACTURING IN THE UK

Our philosophy is to maintain control of supply and quality standards throughout the entire manufacturing process of our products. We have an extensive range of proven fume extraction solutions to satisfy a broad range of applications - from single user systems to units that pack a heavyweight punch with unsurpassed filter capacity, high performance and everything inbetween. All made to the highest international manufacturing standards.

# EXPERTISE AND INNOVATION

Our dedicated team has a wealth of knowledge and unrivalled expertise within our field which is established and trusted by all sizes of business, from global market leaders to niche producers in a wide cross section of industries.

Innovation is at the heart of everything we do, meaning we develop the most technically advanced products on the market. But we also have the flexibility to develop bespoke solutions to suit our customers' requirements. Our programme of ongoing investment in research and development allows us to continuously improve products and pioneer new cutting-edge technologies, bringing the best and latest developments to our portfolio.



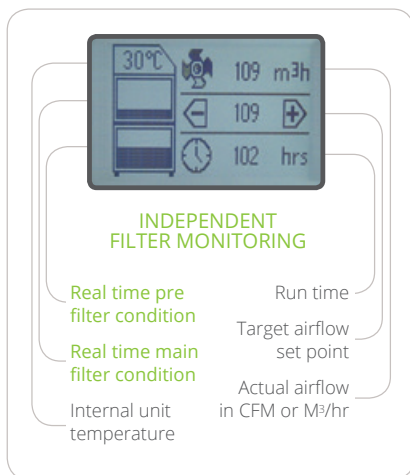
## AWARD WINNING TECHNOLOGY

*BOFA is awarded  
the Queen's Award  
for Enterprise 2017  
for Innovation!*

This highly prestigious accolade celebrates UK businesses who demonstrate excellence in their field. BOFA has been recognised for the development of the revolutionary Intelligent (iQ) Operating System, which is transforming the way that organisations around the world are able to protect the health of employees and improve production processes. The unique iQ system takes performance and safety parameters to a new level and ensures that maintenance downtime and ownership costs are kept to a minimum.

We also won the Queen's Award for International Trade in 2012, recognising that over 90% of our products are now exported overseas.

For more information about iQ, see page 8.



THE QUEEN'S AWARDS  
FOR ENTERPRISE:  
INNOVATION  
2017



# INTELLIGENT (iQ) OPERATING SYSTEM



## Pioneering the future of fume extraction.

Our award-winning Intelligent (iQ) Operating System brings multiple performance enhancements for higher efficiency of extraction, individual filter status monitoring and integral design features that combine to deliver a lower cost of ownership.

Most importantly, iQ addresses the issue dreaded by most production teams - downtime - by minimising the potential for interrupting production for unplanned filter changes.

Sophisticated and advanced technology is inbuilt, providing a user-friendly and intuitive experience with the data being easy to access and analyse locally or remotely (from data downloaded via USB). It means that filter changes can be planned at a time to minimise or eliminate interruptions to production so business can continue as usual, as well as helping to avoid any costly or time-consuming service call-outs.

The iQ Operating System incorporates a method for monitoring the status of both the pre filter and combined (main) filter. Pre blockage warnings provide operators with ample time to prepare for a change by identifying which filter needs replacing and when so the uncertainty and guesswork is removed.

A user-friendly design is consistent across all iQ products for a more uniform look in environments where multiple units are in use. The operating 'easy read' control panel is on the top of each unit on a sloping fascia front so the data is easy to view.



# DEEPPLEAT DUO

## PRE FILTER

Save filter life and money.

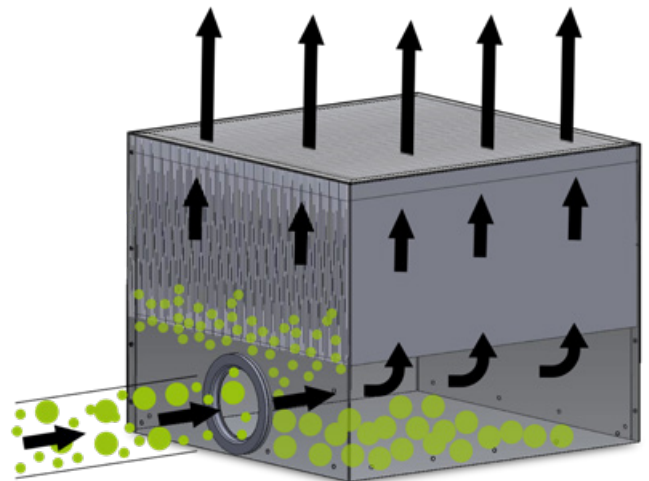
The DeepPleat DUO is the longest lasting pre filter available on the market, extending the life of your main filter and reducing the overall cost of ownership of your unit.

BOFA's unique patent-protected DeepPleat DUO pre filter technology is designed to maximise filter life. It incorporates a massive capacity drop-out chamber within the filter, along with an impressive surface area above the chamber to deal with a high volume and variety of particulate, ensuring optimised performance and filter life. Within the housing there is a sealed 200mm deep pleat layer of F8 media giving a surface area in excess of 6;12; and 30 sq metres.

Thanks to a specially moulded grommet style gasket situated within the drop out chamber the DeepPleat DUO is designed for easy and safe installation and replacement, which is particularly important as often harmful contaminants are captured within the filter.

The DeepPleat DUO is available in three different sizes, offering different drop-out chamber sizes and surface media areas:

Product	Inlet size	Dropout chamber size	Surface media area	Filter media pleat size
AD Nano (+)	50mm	7.44 litres	6m <sup>2</sup>	150mm
AD Oracle iQ	75mm	16.2 litres	12m <sup>2</sup>	200mm
AD 500/1000/1500 iQ	125mm	58 litres	30m <sup>2</sup>	200mm
AD 2000 iQ	125mm	58 litres x2 (116 litres)	30m <sup>2</sup> x2 (60m <sup>2</sup> )	200mm x2 (400mm)
AD 4000 iQ	125mm	58 litres x3 (174 litres)	30m <sup>2</sup> x3 (90m <sup>2</sup> )	200mm x3 (600mm)



# WORKING WITH YOU TO DELIVER A COMPLETE SOLUTION

We work with you to ensure you get the right solution for the right process. From initial requirements scoping through to after-sales care, we provide advice you can trust.

## OEMs

We have a wealth of experience working with OEMs, either supplying our existing systems or creating solutions to complement your products. Many of our OEM customers badge and sell our products as their own - confident that they will deliver performance, quality and reliability.

### Working with BOFA you'll get:

- High quality design and manufacture from the world leader in fume and dust extraction
- Technical support
- Extensive dealer training from specialist engineers
- Immediate and after market revenue
- Access to our global network of dust and fume extraction experts

### *Ready to enhance your product?*

#### **United Kingdom; Europe; Rest of the world**

T. +44 (0) 1202 699 444

E. [sales@bofa.co.uk](mailto:sales@bofa.co.uk)

#### **North and South America and Canada**

T. +1 (618) 205 5007

E. [sales@bofaamericas.com](mailto:sales@bofaamericas.com)

#### **Germany**

T. +49 (0) 40 739 3735-15

E. [vertrieb@bofa.co.uk](mailto:vertrieb@bofa.co.uk)



## DISTRIBUTORS

Our products are sold into more than 120 countries worldwide. Our network of trusted agents and distributors have the capability to provide local sales and service advice and will ensure that timely and appropriate support is always on hand.

### Working with BOFA you'll:

- Enhance your portfolio with our existing products or with a bespoke solution
- Add value to your offering
- Sell products with a proven pedigree
- Have a convenient solution
- Earn from protected aftermarket revenues
- Benefit from technical support and extensive dealer training from specialist engineers

### Your customers will get:

- Affordable options with a high level of benefits
- Customised and branded products as required
- Enhanced health and safety compliance with the highest quality solution

### *Interested in becoming a BOFA distributor?*

#### **United Kingdom; Europe; Rest of the world**

T. +44 (0) 1202 699 444

E. sales@bofa.co.uk

#### **North and South America and Canada**

T. +1 (618) 205 5007

E. sales@bofaamericas.com

#### **Germany**

T. +49 (0) 40 739 3735-15

E. vertrieb@bofa.co.uk

## END USERS

We have a network of engineers throughout the UK who are experts in fume and dust extraction. Their wealth of technical and industry knowledge combined with their consultative approach to understand your processes and agree specifications means you can be confident you're selecting the right product to suit your specific requirements.

### Working with BOFA you'll get:

- Expert consultation to ensure you have the solution you need
- Products for single to multiple users
- Unrivalled standard of service and support
- CE, UL and cUL compliant products
- Access to LEV service plan, implemented by our P601/P602/P604 certified engineers
- If you are based outside of the UK, our global network of distributors can help

### *Ready to buy?*

#### **United Kingdom**

T. +44 (0) 1202 699 444

E. sales@bofa.co.uk

Outside UK: visit [bofainternational.com/distributors](http://bofainternational.com/distributors)

*Delivering the latest  
innovative solutions the  
marketplace wants*



THE WORLD LEADER IN  
FUME EXTRACTION TECHNOLOGY

# LASER FUME EXTRACTION

ADVANTAGE range

By maintaining a dust-free operating area, our systems help to protect valuable equipment, maintain a higher quality mark and reduce the number of rejects and contaminants.

## Applications

Traceability and date codes

Deep laser engraving

Laser coding

Laser marking

Laser drilling

Laser cutting

Laser welding

Laser etching

Laser engraving

Laser micro-machining

Web scoring

Laser perforating

Laser cleaning

Laser kiss cutting

Laser pairing

BOFA's ADVANTAGE range of laser fume extraction and filtration systems are designed for applications that generate particulate and gaseous volatile organic compounds (VOCs) within the laser coding, marking, cutting and engraving industries. Our Base units have been designed so that a number of manufacturer's laser engravers can sit on top of the extractor, effectively doubling up as a work station.

## FEATURED PRODUCT – BEST IN CLASS



### AD Oracle iQ

The 'best in class' high performance AD Oracle is further enhanced with the introduction of BOFA's patented Intelligent (iQ) Operating System, combining a range of unique features into one compact unit.

#### Standard features

- Reverse flow air filter technology
- Automatic flow control
- Auto sensing voltage (90-257V) - for global use
- DeepPleat DUO pre filter
- Advanced carbon filter technology
- HEPA and gas combined filter
- High contrast display
- Real time airflow reading
- Independent filter condition monitoring
- Filter status warnings
- 'Run safe' operation
- Remote diagnostics via USB

*For optional features, see pages 20-21*

The premier choice and best in class solution with unique features in a global unit.

## OEMs

Find out more about how we work with OEMs on page 10

## DISTRIBUTORS

Find out more about how we work with distributors on page 11

## END USERS

Find out more about how we work with end users on page 11

# LASER FUME EXTRACTION

## ADVANTAGE range



### AD Access

A compact system for light duty laser marking, coding and engraving applications. The AD Access combines economic ownership with performance to match the small laser user, ensuring safe operator working conditions and product quality.

A three-stage filter condition indicator is included as a standard feature.

**Approvals** CE | cUL | UL

**Dimensions** 505 x 335 x 315mm  
19.88 x 13.19 x 12.40"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
106cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-access](http://bofainternational.com/ad-access)



### AD Fusion

The AD Fusion has been designed to work with the new generation of low cost laser systems. It provides high performance at affordable prices and is ideally matched with smaller laser systems.

**Approvals** CE

**Dimensions** 590 x 380 x 440mm  
23.2 x 38.6 x 17.3"

**Airflow/Pressure** 285m<sup>3</sup>/hr / 24mbar  
167cfm / 24mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-fusion](http://bofainternational.com/ad-fusion)



### AD 250

The AD 250 provides a cost effective solution for light duty applications. This compact and extremely quiet system is ideal for use in schools, sign making workshops, small scale industrial environments and light laser coding applications.

**Approvals** CE | cUL | UL

**Dimensions** 590 x 405 x 465mm  
23.23 x 15.94 x 18.31"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
106cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-250](http://bofainternational.com/ad-250)



### AD 350

The quiet and compact AD 350 effectively removes potentially harmful fumes and particulate created during light duty laser marking, coding and engraving applications making it ideal for use in schools, sign making workshops and small scale industrial environments.

**Approvals** CE | cUL | UL

**Dimensions** 590 x 405 x 465mm  
23.23 x 15.94 x 18.31"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-350](http://bofainternational.com/ad-350)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

## PRODUCT FEATURES

Comparison table on page 20-21



### AD Nano

The AD Nano is ideal for small scale industrial environments and light to medium laser coding applications, whilst the reverse flow air filter technology enhances filter performance and ensures longer filter life, with its DeepPleat DUO filter technology.

**Approvals** CE

**Dimensions** 770 x 375 x 420mm  
30.32 x 14.76 x 16.54"

**Airflow/Pressure** 170m<sup>3</sup>/hr / 30mbar  
100cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-nano](http://bofainternational.com/ad-nano)



### AD Nano+

The compact 'go anywhere' fume extraction system is feature-packed for big performance in small scale industrial sites and light laser coding applications. Incorporating many of the features found on our larger systems, the AD Nano+ is a cost effective solution for light to medium duty applications, making it the ideal choice for installations where floor space is limited.

The use of an auto-voltage sensing blower means that the unit can be used anywhere in the world.

**Approvals** CE

**Dimensions** 790 x 410 x 460mm  
31.10 x 16.14 x 18.11"

**Airflow/Pressure** 300m<sup>3</sup>/hr / 96mbar  
176cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-nano-plus](http://bofainternational.com/ad-nano-plus)



### AD Universal

This compact system is ideal for light to medium small scale industrial environments.

**Approvals** CE

**Dimensions** 625 x 385 x 525mm  
24.61 x 15.16 x 20.67"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-universal](http://bofainternational.com/ad-universal)



### AD Oracle SA iQ

This is our most technically advanced laser fume extractor, incorporating a powerful range of unique features into one compact unit. It uses a smaller pre filter to the AD Oracle iQ making it ideal for lighter use applications.

**Approvals** CE | cUL | UL

**Dimensions** 740 x 450 x 515mm  
29.33 x 17.72 x 20.28"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-oracle-sa-iq](http://bofainternational.com/ad-oracle-sa-iq)



**RFA**  
Reverse flow air  
technology



**ACF**  
Advanced carbon  
filter technology



**MVS**  
Multi voltage  
sensing unit



**PATENTED**  
Patented  
technology



**PROTECT**  
ProTECT service  
plan



**SureCHECK**  
SureCHECK quality  
standard

# LASER FUME EXTRACTION

ADVANTAGE range



## AD Oracle iQ

The AD Oracle iQ is our most technically advanced laser fume extractor, combining a powerful range of unique features into one compact unit.

This versatile unit can be used across a range of laser applications and the revolutionary auto-voltage sensing blower automatically self adjusts to run on any voltage worldwide.

**Approvals** CE | cUL | UL

**Featured product - see page 13**

Our inline AD Cyclone has been designed to separate lower particle sizes during laser marking process.

**Also fits the FireBox MA and FireBox GA**

*See page 61 for more information.*

**Dimensions** 975 x 455 x 505mm  
38.39 x 17.91 x 19.88"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-oracle-iq](http://bofainternational.com/ad-oracle-iq)



## AD 500 iQ

The AD 500 iQ mid to high end laser fume extraction system combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Performance has been further enhanced with the inclusion of several features including BOFA's acclaimed patented iQ Operating System, making the AD 500 iQ one of the most advanced systems available.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 550m<sup>3</sup>/hr / 100mbar  
324cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-500-iq](http://bofainternational.com/ad-500-iq)



## AD 1000 iQ

High performance laser fume extraction system for applications in laser marking, coding and engraving.

BOFA's AD 1000 iQ high end laser extraction system combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 850m<sup>3</sup>/hr / 100mbar  
500cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-1000-iq](http://bofainternational.com/ad-1000-iq)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

## PRODUCT FEATURES

Comparison table on page 20-21



### AD 1500 iQ

The AD 1500 iQ high end laser extraction system combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Performance has been further enhanced with the inclusion of several features including BOFA's acclaimed patented iQ system, making the AD 1500 iQ one of the most advanced systems available.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 1250m<sup>3</sup>/hr / 100mbar  
735cfm / 100mbar

#### Technology



#### Datasheet download

[bofainternational.com/ad-1500-iq](http://bofainternational.com/ad-1500-iq)



### AD 2000 iQ

The AD 2000 iQ's technology delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. The dual filter system creates maximum capacity while the three-stage filtration process ensures peak performance. This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. And the easy to read and access controls display panel is conveniently located on top of the unit.

The AD 2000 iQ's design also permits greater flexibility of different exhaust installations and different configurations allowing recirculation via the rear panel or externally vented hose connection systems.

**Approvals** CE

**Dimensions** 1280 x 1360 x 1005mm  
50.39 x 53.54 x 39.57"

**Airflow/Pressure** 2500m<sup>3</sup>/hr / 96mbar  
1470cfm / 96mbar

#### Technology



#### Datasheet download

[bofainternational.com/ad-2000-iq](http://bofainternational.com/ad-2000-iq)



### AD 4000 iQ

The AD 4000 iQ delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up from the triple DeepPleat DUO and combined filter setup. This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. And the easy to read and access controls display panel is conveniently located on top of the unit.

The AD 4000 iQ's design also permits greater flexibility of different exhaust installations. Different exhaust configurations allow recirculation via the rear panel or externally vented hose connection systems.

**Approvals** CE

**Dimensions** 1300 x 1955 x 1100mm  
51.18 x 76.97 x 43.31"

**Airflow/Pressure** 3600m<sup>3</sup>/hr / 44mbar  
2119cfm / 44mbar

#### Technology



#### Datasheet download

[bofainternational.com/ad-4000-iq](http://bofainternational.com/ad-4000-iq)



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
PROTECT service plan



**SureCHECK**  
SureCHECK quality standard

# LASER FUME EXTRACTION

ADVANTAGE range



## AD 4000

BOFA's AD 4000 laser fume extraction unit combines large filter capacity with high airflows. This combination makes the AD 4000 ideal for large laser engravers, laser cutters as well as multiple laser coding installations.

Easily accessible filters are accommodated by the uniquely styled gas spring assisted 'gull winged' doors, which allow for maximum space and ease when changing filters.

Unit interfaces such as stop/start and system failure are available as options.

**Approvals** CE

**Dimensions** 1475 x 1450 x 1500mm  
58 x 57 x 59"

**Airflow/Pressure** 4000m<sup>3</sup>/hr / 30mbar  
2354cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-4000](http://bofainternational.com/ad-4000)



## AD PVC iQ

The AD PVC iQ extraction system has been designed to effectively deal with the corrosive nature of the fumes generated when laser cutting PVC materials.

The latest design specification now covers many of the features associated with our "best in class" AD Oracle iQ (see page 13) model as standard but in addition all internally exposed surfaces have been coated to resist the corrosive nature of the fume and each unit is fitted with HCL and VOC sensors which continually monitor the exhaust air of the unit giving added safety assurance.

**Approvals** CE | cUL | UL

**Dimensions** 1090 x 570 x 600mm  
42.91 x 22.44 x 23.62"

**Airflow/Pressure** 350m<sup>3</sup>/hr / 96mbar  
206cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-pvc-iq](http://bofainternational.com/ad-pvc-iq)

NEW



## AD GoldSEAL Cyclone RS

This unit offers the complete solution for the extraction, filtration and recovery of precious metals. The particles are collected in an easy to remove tray and the HEPA filter can be incinerated to reveal the precious metal collected during the filtration process.

Automatic flow control allows the user to pre-set correct airflow rates, for lower noise levels and further protection of the HEPA filter. The cyclone enables the separation of precious metals before they even reach the main extraction area, allowing for easier and more efficient collection, as well as prolonging the life of the main filter.

**Approvals** CE

**Dimensions** 755 x 650 x 560mm  
29.72 x 25.60 x 22.05"

**Airflow/Pressure** 267m<sup>3</sup>/hr / 96mbar  
157cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-goldseal-cyclone-rs](http://bofainternational.com/ad-goldseal-cyclone-rs)



## AD Base 1 Oracle

Suitable for a range of lasers, the AD Base 1 Oracle plays on the success of the "best in class" AD Oracle with its DeepPleat DUO and auto-voltage blower in a compact base system. BOFA's easy filter location makes filter change easy, quick and safe.

As with all our Base systems, this unit has the option of an onboard compressor for a compact installation.

**Approvals** CE

**Dimensions** 790 x 735 x 740mm  
31.10 x 28.94 x 29.13"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/ad-base-1-oracle](http://bofainternational.com/ad-base-1-oracle)

OUR LEADING TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow control technology

## PRODUCT FEATURES

Comparison table on page 20-21

### AD Base 2 Oracle

Adapting the AD Base 1 Oracle, this unit sits lower to allow larger bed lasers to be placed securely on top whilst giving a direct extraction system. This system also benefits from a DeepPleat DUO and MVS.

As with all our Base systems, this unit has the option of an onboard compressor for a compact installation.

**Approvals** CE

**Dimensions** 550 x 1060 x 810mm  
21.65 x 41.74 x 31.89"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-base-2-oracle](http://bofainternational.com/ad-base-2-oracle)

### AD Base 3

The AD Base 3 is designed for the smaller Universal Versa Laser. The optional onboard compressor makes this a compact installation.

**Approvals** CE

**Dimensions** 775 x 510 x 680mm  
30.51 x 20.08 x 26.77"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
105cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-base-3](http://bofainternational.com/ad-base-3)

### AD Base C180

Bespoke unit tailored to match the GCC C180 laser engraver. The dimensions of the unit allows the C180 to fit perfectly onto the extractor, effectively doubling it up as a work station. The unit is also offered with an onboard air compressor to provide the laser with its air assist requirements and comes complete with extraction hose kit and compressor link up on compressor models.

**Approvals** CE

**Dimensions** 795 x 740 x 720mm  
31.30 x 29.13 x 28.35"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
105cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-base-c180](http://bofainternational.com/ad-base-c180)

### AD Base Z

The AD Base Z has been designed specifically for the Epilog Zing laser engraver. The dimensions of the unit allow the Zing to fit perfectly onto the extractor, effectively doubling it up as a work station. The distinctive blue finish has been matched with the blue ends of the laser to give a stylish installation.

The unit is also offered with an onboard air compressor to provide the laser with its air assist requirements. All units come complete with extraction hose kit and compressor link up on compressor models.

**Approvals** CE

**Dimensions** 780 x 780 x 600mm  
30.71 x 30.71 x 23.62"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
105cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/ad-base-z](http://bofainternational.com/ad-base-z)



**RFA**  
Reverse flow air  
technology



**ACF**  
Advanced carbon  
filter technology



**MVS**  
Multi voltage  
sensing unit



**PATENTED**  
Patented  
technology



**PROTECT**  
ProTECT service  
plan



**SureCHECK**  
SureCHECK quality  
standard

# LASER FUME EXTRACTION

ADVANTAGE range



## Mobile FumeKART

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, weld fumes, vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre filter, HEPA and gas filter.

### Approvals CE

Dimensions 875 x 475 x 430mm  
37.4 x 18.7 x 17"

Airflow/Pressure 380m<sup>3</sup>/hr / 100mbar  
223cfm / 100mbar

### Technology



### Datasheet download

[bofainternational.com/mobile-fumekart](http://bofainternational.com/mobile-fumekart)

## FILTER TECHNOLOGY

The majority of systems in the ADVANTAGE range incorporate three-stage filtration: pre filter, HEPA and chemical section. Many units are also enhanced with our patented DeepPleat DUO pre filter, with its large capacity drop-out chamber to ensure maximum filter capacity. See page 59-61 for our inline filters and cooling units.

[bofainternational.com/filters](http://bofainternational.com/filters)

## ACCESSORIES

We have created a wide range of hose kits to complement the ADVANTAGE range. You'll find the shape, size and combinations most suited to your laser application on page 58 or contact your sales representative for more information.

[bofainternational.com/accessories](http://bofainternational.com/accessories)

## HOW TO BUY BOFA

*Go to page 10-11 of the brochure to view our different buying options.*

STANDARD FEATURES

OPTIONAL FEATURES

Filter condition indicator
High airflow & pressure rates
Long life, low cost replacement filters
Digital speed control
Easi-seal filter location
Auto sensing voltage (90-257V) for global use
Automatic flow control system
Intelligent (iQ) Operating System
Lockable castors
Unique gas spring assisted 'gull winged' doors for filter access
Acid resistant coating
HEPA filter technology
CE
UL
cUL
Brushless motor
SureCHECK quality standard
ProTECT
VOC gas sensor (Volatile Organic Compound)
Remote stop/start interface
Filter change/system fail signal
Onboard compressor
Variety of arms/hoods

OUR LEADING TECHNOLOGY



iQ  
Intelligent (iQ)  
Operating System



DeepPleat  
DeepPleat pre filter



DeepPleat DUO  
DeepPleat DUO  
pre filter



HEPA  
HEPA filter



AFC  
Automatic flow  
control technology

# PRODUCT FEATURES

## Comparison table

	AD Access	AD Fusion	AD 250	AD 350	AD Nano	AD Nano+	AD Universal	AD Oracle SA IQ	AD Oracle IQ	AD 500 IQ	AD 1000 IQ	AD 1500 IQ	AD 2000 IQ	AD 4000 IQ	AD 4000	AD PTC IQ	AD GoldSEAL Cyclone RS	AD Base 1 Oracle	AD Base 2 Oracle	AD Base 3	AD Base Ct180	AD Base Z	Mobile FurneKART	
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**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# ELECTRONICS

## FUME EXTRACTION

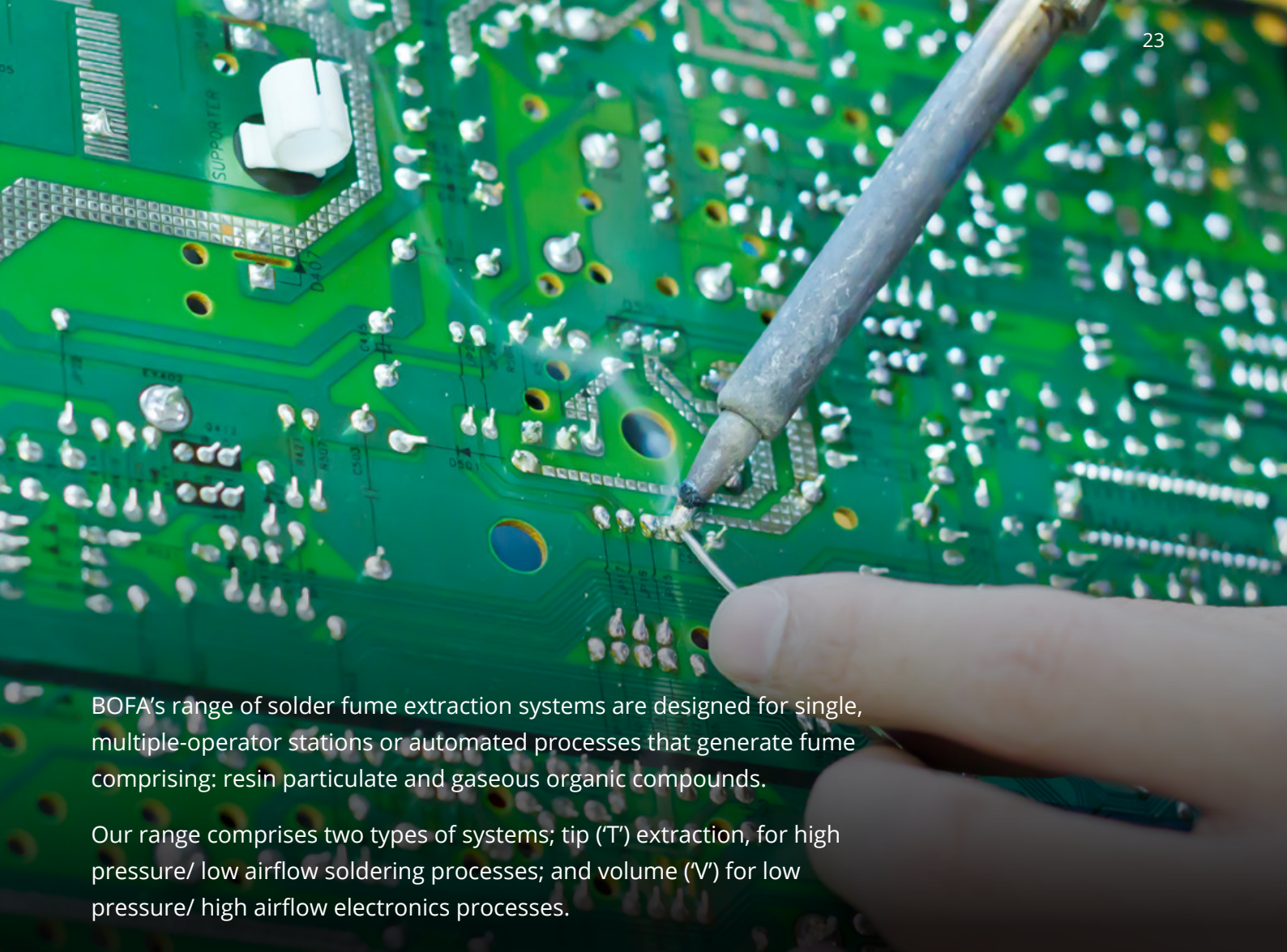
Tip and volume range

### Applications

Hand soldering  
Wave soldering  
Selective soldering  
Reflow ovens  
Rework stations  
PCB drilling  
De-soldering

Brazing  
Soft soldering  
Silver soldering  
Tinning  
Lead free soldering  
Laser soldering  
Spray cleaning

PCB de-lugging  
Gluing  
Potting  
Tip extraction  
Arm extraction  
Machine soldering  
Automated soldering



BOFA's range of solder fume extraction systems are designed for single, multiple-operator stations or automated processes that generate fume comprising: resin particulate and gaseous organic compounds.

Our range comprises two types of systems; tip ('T') extraction, for high pressure/ low airflow soldering processes; and volume ('V') for low pressure/ high airflow electronics processes.

## FEATURED PRODUCT – BEST IN CLASS



### V 250

Dual arm extraction system purpose built to protect two operators working on solder applications. The V250 is enhanced by multiple configuration options and hose kits.

#### Standard features

- Three-stage filtration
- Low noise levels
- Advanced carbon filter technology
- HEPA and gas combined filter
- Filter blocked indicator

*For optional features, see page 29*

Low noise level and fully comprehensive filtration - ideal for factories with changing production demands.

## OEMs

Find out more about how we work with OEMs on page 10

## DISTRIBUTORS

Find out more about how we work with distributors on page 11

## END USERS

Find out more about how we work with end users on page 11

# ELECTRONICS FUME EXTRACTION

Tip and volume range



## TVT 2

A light weight and portable fume extraction system, which runs from compressed air rather than an electric supply, making it extremely quiet in operation. This venturi system requires six bar of compressed air and is capable of extracting fume from two operator stations.

The TVT 2's high vacuum extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

**Approvals** CE

*Ideal partner to the solder iron connection kit - see page 58*

Dimensions 170 x 170 x 150mm  
6.7 x 6.7 x 5.9"

Airflow/Pressure 22 l/min per tip

Technology



**Datasheet download**

[bofainternational.com/tvt2](http://bofainternational.com/tvt2)



## T 1

The smallest in the high vacuum extraction for hand solder applications. Designed specifically for portability and extremely low noise levels.

The T 1 extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

**Approvals** CE

*Ideal partner to the solder iron connection kit - see page 58*

Dimensions 270 x 200 x 185mm  
10.63 x 7.87 x 7.28"

Airflow/Pressure 22 l/min per tip

Technology



**Datasheet download**

[bofainternational.com/t1](http://bofainternational.com/t1)



## T 15

Mid range high vacuum fume extraction system with a built in silencer for extremely low noise levels. With its three-stage filtration and filter warning indicator, this is a true industry favourite, suitable for 5-15 operators.

The T 15 extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

**Approvals** CE

*Ideal partner to the solder iron connection kit - see page 58*

Dimensions 575 x 370 x 340mm  
22.64 x 14.57 x 13.39"

Airflow/Pressure 22 l/min per tip

Technology



**Datasheet download**

[bofainternational.com/t15](http://bofainternational.com/t15)



## T 30A

The T 30A is the most advanced system in our range of high vacuum units. With a built in silencer, for extremely low noise levels, a large carbon filter and a filter warning indicator this is a true industry favourite.

The T 30A extracts and filters fumes and debris through small bore hoses. It is ideally suited to hand soldering iron tip extraction, protecting up to 30 operators with its automatic airflow control and three-stage filtration process. The unit can also be used for vac pens and any application requiring close proximity, such as microextraction.

The automatic flow control allows the unit to be set to the optimum flow rate to suit the number of operators connected to the system. The unit will then maintain the set airflow over the life of the filters ensuring maximum protection to the operators.

**Approvals** CE

*Ideal partner to the solder iron connection kit - see page 58*

Dimensions 725 x 450 x 480mm  
28.54 x 17.72 x 18.90"

Airflow/Pressure 22 l/min per tip

Technology



**Datasheet download**

[bofainternational.com/t30a](http://bofainternational.com/t30a)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

## PRODUCT FEATURES

Comparison table on page 29



### T 60

The T60 high vacuum unit is designed to extract and filter fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, micro extraction.

Due to the high concentration of debris generated from up to 60 operators, this system has been designed to keep the unit compact, but still utilise a comprehensive filter system. With this in mind, the unit incorporates a facility for retaining a high concentration of particulate within the filter enclosure.

**Approvals** CE

**Dimensions** 700 x 475 x 770mm  
27.6 x 18.7 x 30.3"

**Airflow/Pressure** 22 l/min per tip

**Technology**



**Datasheet download**  
[bofainternational.com/t60](http://bofainternational.com/t60)



### T 100

The T100 high vacuum unit is are designed to extract and filter fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, micro extraction.

Due to the high concentration of debris generated from up to 100 operators, this system has been designed to keep the unit compact, but still utilise a comprehensive filter system. With this in mind, the unit incorporates a facility for retaining a high concentration of particulate with the filter enclosure.

**Approvals** CE

**Dimensions** 700 x 475 x 770mm  
27.6 x 18.7 x 30.3"

**Airflow/Pressure** 22 l/min per tip

**Technology**



**Datasheet download**  
[bofainternational.com/t100](http://bofainternational.com/t100)



### V 200

The V 200 is a single arm, portable solder fume extraction system that comes complete with an extraction arm and installation kit containing everything required to set up an operator with ease.

Minimal installation allows this unit to be moved with the work bench when factory layouts need changing due to production requirements.

The low noise level and fully comprehensive three-stage filtration is ideal for factories with changing production demands.

**Approvals** CE

**Dimensions** 420 x 290 x 270mm  
16.54 x 11.42 x 10.63"

**Airflow/Pressure** 90m<sup>3</sup>/hr / 20mbar  
53cfm / 20mbar

**Technology**



**Datasheet download**  
[bofainternational.com/v200](http://bofainternational.com/v200)



### V 250

The V 250 is a dual arm, portable solder fume extraction system that comes complete with two extraction arms and installation kits containing everything required to set up two operators with ease. The filter status indicator ensures users change the filter only when required.

Minimal installation allows this unit to be moved with the work bench when factory layouts need changing due to production requirements.

The low noise level and fully comprehensive three-stage filtration is ideal for factories with changing production demands.

**Approvals** CE **Featured product - see page 23**

**Ideal partner to the FumeCAB 250 - see page 52**

**Dimensions** 420 x 290 x 270mm  
16.54 x 11.42 x 10.63"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
106cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/v250](http://bofainternational.com/v250)



**RFA**  
Reverse flow air  
technology



**ACF**  
Advanced carbon  
filter technology



**MVS**  
Multi voltage  
sensing unit



**PATENTED**  
Patented  
technology



**PROTECT**  
ProTECT service  
plan



**SureCHECK**  
SureCHECK quality  
standard

# ELECTRONICS FUME EXTRACTION

Tip and volume range



## V 300E

Entry level arm fume extraction for solder applications. This compact, low cost system is capable of generating high airflow rates from a range of bench top attachments, including larger hoses.

This fume extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

**Approvals** CE

**Dimensions** 450 x 330 x 310mm  
17.7 x 13.8 x 12.2"

**Airflow/Pressure** 320m<sup>3</sup>/hr / 5mbar  
188cfm / 5mbar

**Technology**



**Datasheet download**  
[bofainternational.com/v300e](http://bofainternational.com/v300e)



## V 350E

The V 350E is a compact, low cost extraction system, which is capable of generating high airflow rates from a range of bench top attachments, including larger hoses.

This fume extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

**Approvals** CE

**Dimensions** 517 x 370 x 370mm  
20.4 x 14.6 x 14.6"

**Airflow/Pressure** 540m<sup>3</sup>/hr / 4mbar  
317cfm / 4mbar

**Technology**



**Datasheet download**  
[bofainternational.com/v350e](http://bofainternational.com/v350e)



## V 600

A truly state of the art fume purification solution, the V 600 is within our high end range of extraction systems, combining large filter capacity with high airflows and pressure. It benefits from reverse flow design and DeepPleat pre filter technology for extremely long filter life.

This unit incorporates three-stage filtration, a filter condition display, and built in silencing and can accommodate up to seven operators.

**Approvals** CE

**Pair this with FumeCAB 600 - see page 52**

**Dimensions** 590 x 405 x 465mm  
23.23 x 15.94 x 18.31"

**Airflow/Pressure** 350m<sup>3</sup>/hr / 96mbar  
206cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/v600](http://bofainternational.com/v600)



## V Oracle SA iQ

Our most technically advanced global solution for high volume arm solder fume extraction.

The V Oracle SA iQ has been enhanced with BOFA's iQ Operating System and incorporates a powerful range of unique features into one compact unit.

**Approvals** CE

**Dimensions** 745 x 450 x 515mm  
29.33 x 17.72 x 20.28"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/v-oracle-sa-iq](http://bofainternational.com/v-oracle-sa-iq)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

**PRODUCT FEATURES**  
Comparison table on page 29



### V Oracle iQ

This advanced high volume tip extractor combines a powerful range of features into one unit.

This versatile unit can be used across a range of electronics applications and the revolutionary auto-voltage sensing blower automatically self adjusts to run on any voltage worldwide.

**Approvals** CE

**Dimensions** 975 x 455 x 505mm  
38.39 x 17.91 x 19.88"

**Airflow/Pressure** 380m³/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/v-oracle-iq](http://bofainternational.com/v-oracle-iq)



### V 500 iQ

The V 500 iQ high volume fume extraction system combines extremely large filter capacity with high airflow and pressure rates. This is the ideal choice for heavy duty hand and machine automated solder applications that generate large amounts of particulate and gaseous organic compounds. This unit can cater for up to 10 operators as a centralised system or can be used to extract fumes from automated soldering machines.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 550m³/hr / 100mbar  
324cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/v500-iq](http://bofainternational.com/v500-iq)



### V 1000 iQ

The V 1000 iQ high volume fume extraction system combines extremely large filter capacity with high airflow and pressure rates. This is the ideal choice for heavy duty hand and machine automated solder applications that generate large amounts of particulate and gaseous organic compounds. This unit can cater for up to 15 operators as a centralised system or can be used to extract fumes from automated soldering machines.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 850m³/hr / 100mbar  
500cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/v1000-iq](http://bofainternational.com/v1000-iq)



### V 1500 iQ

The V 1500 iQ high volume fume extraction system combines extremely large filter capacity with high airflow and pressure rates. This is the ideal choice for heavy duty hand and machine automated solder applications that generate large amounts of particulate and gaseous organic compounds. This unit can cater for up to 20 operators as a centralised system or can be used to extract fumes from automated soldering machines.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 1250m³/hr / 100mbar  
735cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/v1500-iq](http://bofainternational.com/v1500-iq)



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# ELECTRONICS FUME EXTRACTION

Tip and volume range

## V 2000 iQ



The V 2000 iQ's technology delivers superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. The dual filter system creates maximum capacity while the three-stage filtration process ensures peak performance. This makes it suitable for the most demanding and complex installations, such as reflow ovens, wave solder machines and conformal coating systems, so you can rely on extended filter life, together with effective removal of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access controls display panel is conveniently located on top of the unit. The V 2000 iQ's design also permits greater flexibility of different exhaust installations. Different exhaust configurations allow recirculation via the rear panel or externally vented hose connection systems.

**Approvals** CE

**Dimensions** 1280 x 1360 x 1005mm  
50.39 x 53.54 x 39.57"

**Airflow/Pressure** 2500m<sup>3</sup>/hr / 96mbar  
1470cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/v2000-iq](http://bofainternational.com/v2000-iq)

## V 4000



High airflow fume extraction system for reflow ovens, wave solder machines and conformal coating systems.

BOFA's V 4000 volume fume extraction system has the capacity to be used on all manufacturers of automated soldering systems such as reflow ovens.

Large filter capacity and vast carbon filters ensure long filter life and optimum extraction even when lead free solder is used.

Adjustable and regulated airflow control ensures consistent temperatures within the solder machine /reflow oven, throughout the life of the filters.

**Approvals** CE

**Dimensions** 1475 x 1450 x 1500mm  
58 x 57 x 59"

**Airflow/Pressure** 4000m<sup>3</sup>/hr / 30mbar  
2354cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/v4000](http://bofainternational.com/v4000)

## FILTER TECHNOLOGY

The electronics range is designed around a complete three-stage filtration setup. These three stages give complete filtration at all levels and provide protection from different hazardous particulate and fume elements. The cheaper pre filter is designed as a barrier for the majority of contaminate, protecting the more expensive HEPA and carbon filters, allowing for longer filter life and lower cost of ownership across the lifetime of the unit.

For more information visit [bofainternational.com/filters](http://bofainternational.com/filters)

## ACCESSORIES

We have created an extensive range of accessories and hose kits to complement the electronics range. From LED light arms to down draught trays and cowls, you'll find the perfect accessory to match your extractor and an array of hose kits in many shapes, sizes and combinations most suited to your application - see page 58, contact your sales representative for more information or visit [bofainternational.com/accessories](http://bofainternational.com/accessories)

## HOW TO BUY BOFA

Go to page 10-11 of the brochure to view our different buying options.

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleit**  
DeepPleit pre filter



**DeepPleit DUO**  
DeepPleit DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

# PRODUCT FEATURES

## Comparison table

	TVT 2	T 1	T 15	T 30A	T 60	T 100	V 200	V 250	V 300E	V 350E	V 600	V Oracle SA iQ	V Oracle iQ	V 500 iQ	V 1000 iQ	V 1500 iQ	V 2000 iQ	V 4000	
STANDARD FEATURES	Three-stage filtration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Compact design	✓	✓	✓				✓	✓	✓	✓	✓							
	High vacuum blowers			✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓
	Digital speed control										✓								
	Auto sensing voltage (90-257V) for global use										✓	✓	✓						
	Intelligent (iQ) Operating System												✓	✓	✓	✓	✓	✓	
	Automatic flow control system				✓								✓	✓	✓	✓	✓	✓	✓
	'Easi-seal' filter location				✓								✓	✓	✓	✓	✓	✓	
	Brushless motor		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Filter blocked indicator			✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
	Reverse flow air technology				✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL														✓	✓	✓		
	cUL														✓	✓	✓		
	OPTIONAL FEATURES	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SureCHECK		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VOC gas sensor (Volatile Organic Compound)												✓	✓	✓	✓	✓	✓	✓	✓
Remote stop/start interface				✓	✓							✓	✓	✓	✓	✓	✓	✓	✓
Filter change system fail signal				✓	✓							✓	✓	✓	✓	✓	✓	✓	✓
Onboard compressor													✓	✓	✓				
Digital speed control							✓												

### FUME CABINETS

We have a comprehensive range of fume extraction cabinets suitable for the electronics industry, from small applications right up to large scale processes.

See pages 52-53 for more information.

### MOBILE FUMEKART

This unit is the ideal portable extraction system for variety of soldering applications that need a portable system.

See page 20 for more information.



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# PRINTING & 3D PRINTING

## FUME EXTRACTION

PrintPRO and 3D PrintPRO range

### Applications - Printing

Flags, banners & posters  
Direct to fabric  
Dye sublimation  
UV printing  
Solvent ink

Mid solvent ink  
Low solvent ink  
MEK  
Flexographic printing  
Letter press plates

Digital flexo plates  
UV coating  
Inkjet printing  
Screen printer

### Applications - 3D Printing

Stereolithography  
Digital light processing  
Continuous digital light processing  
Fused filament fabrication  
Material jetting  
NanoParticle jetting

Drop on demand  
Binder jetting  
Multi jet fusion  
Selective laser sintering  
Direct metal laser sintering  
Selective laser melting

Electron beam melting  
Laser engineering net shape  
Electron beam additive manufacturing  
Laminated object manufacturing

BOFA's range of PrintPRO and 3D PrintPRO print fume extraction systems are designed for applications that generate particulate and gaseous organic compounds within the wide and super-wide printing sector. Solutions are available for a variety of ink types including: solvent, UV and dye sublimation.

## FEATURED PRODUCT – BEST IN CLASS



### PrintPRO Universal

The flagship product in our printing range, the PrintPRO Universal is a compact unit with a large gas filter. It is designed exclusively for the print and print finishing industries with unique features to effectively capture and remove a wide range of solvents generated within these environments, including MEK, ketones and ozone from UV applications.

The unit is easily adapted to a huge range of environments, including wide format printing, inkjet coding printers (CIJ) (both solvent and UV) and numerous mailroom applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

#### Standard features

- Long life, low cost replacement filters
- High airflow pressure rates
- Advanced carbon filter technology

**For optional features - see page 37**

Easily adapted to a huge range of print and 3D print environments.

### OEMs

Find out more about how we work with OEMs on page 10

### DISTRIBUTORS

Find out more about how we work with distributors on page 11

### END USERS

Find out more about how we work with end users on page 11

# PRINTING & 3D PRINTING FUME EXTRACTION

PrintPRO and 3D PrintPRO range

## PRINTING



### PrintPRO Universal

The PrintPRO Universal is a compact unit with a large gas filter. It is designed exclusively for the print and print finishing industries with unique features to effectively capture and remove a wide range of solvents generated within these environments, including MEK, ketones and ozone from UV applications.

The unit is easily adapted to a huge range of environments, including wide format printing, inkjet coding printers (CIJ) (both solvent and UV) and numerous mailroom applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

**Approvals** CE | cUL | UL

*Featured product - see page 31*

**Dimensions** 625 x 385 x 525mm  
24.60 x 15.16 x 20.67"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/printpro-universal](http://bofainternational.com/printpro-universal)



### PrintPRO 500 iQ

The PrintPRO 500 iQ mid to high end extraction system combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.22 x 31.10"

**Airflow/Pressure** 550m<sup>3</sup>/hr / 100mbar  
324cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/printpro-500-iq](http://bofainternational.com/printpro-500-iq)



### PrintPRO 1000 iQ

The PrintPRO 1000 iQ high end extraction system combines extremely large filter capacity with higher airflow and pressure rates than the PrintPRO 500 iQ, making it the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.22 x 31.10"

**Airflow/Pressure** 850m<sup>3</sup>/hr / 100mbar  
500cfm / 100mbar

**Technology**



**Datasheet download**  
[bofainternational.com/printpro-1000-iq](http://bofainternational.com/printpro-1000-iq)



### PrintPRO 1500 iQ

Building on the PrintPRO 1000 iQ, the PrintPRO 1500 iQ high end extraction system boasts the extremely large filter capacity of the DeepPleat DUO and with higher airflow and pressure rates, this is the ideal choice for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.22 x 31.10"

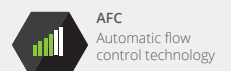
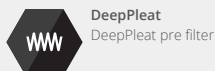
**Airflow/Pressure** 1250m<sup>3</sup>/hr / 100mbar  
735cfm / 100mbar

**Technology**



**Datasheet download**  
[bofainternational.com/printpro-1500-iq](http://bofainternational.com/printpro-1500-iq)

OUR LEADING  
TECHNOLOGY



**PRODUCT FEATURES**

Comparison table on page 37



### PrintPRO 2000 iQ

The PrintPRO 2000 iQ fume extraction unit packs a heavyweight punch with the unsurpassed filter capacity of two DeepPleat DUOs and high performance for the printing industry.

Its technology is proven to deliver superior and measurable performance, ensuring airflow and filtration is maintained even when particulates start to build up. Its high vacuum and pressure makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective removal of fumes, solvents and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access controls display panel is conveniently located on top of the unit. The PrintPRO 2000 iQ's design also permits greater flexibility of different exhaust installations and configurations allowing recirculation via the rear panel or externally vented hose connection systems.

**Approvals** CE

**Dimensions** 1280 x 1360 x 1005mm  
50.39 x 53.54 x 39.57"

**Airflow/Pressure** 2500m<sup>3</sup>/hr / 96mbar  
1470cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/printpro-2000-iq](http://bofainternational.com/printpro-2000-iq)



### PrintPRO 4000

BOFA's PrintPRO 4000 print fume extraction unit combines large filter capacity with high airflows.

This is our high end fume extraction and filtration system and has been purposely designed to filter the fumes generated by printers. It combines extremely large filter capacity with high airflows and pressure. It is ideal for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

Easily accessible filters are accommodated by the uniquely styled 'clam shell' and 'gull winged' doors, which allow for maximum space and ease when changing filters.

Unit interfaces such as stop/start and system failure are available as options.

**Approvals** CE

**Dimensions** 1475 x 1450 x 1500mm  
58 x 57 x 59"

**Airflow/Pressure** 4000m<sup>3</sup>/hr / 30mbar  
2354cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/printpro-4000](http://bofainternational.com/printpro-4000)



### PrintPRO Oracle DS

The PrintPRO Oracle DS is our mid to high end fume extraction and filtration system. It has been purposely designed to filter the fumes generated from dye sublimation printers and combines extremely large filter capacity with high airflows and pressure. This combination makes it ideal for heavy duty applications that generate large amounts of particulate and gaseous organic compounds.

The additional feature of BOFA's 'easi-seal' filter location mechanism makes filter change easy, quick and safe. A truly state of the art print fume purification solution.

**Approvals** CE

**Dimensions** 955 x 430 x 475mm  
37.60 x 17 x 18.70"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 96mbar  
223cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/printpro-oracle-ds](http://bofainternational.com/printpro-oracle-ds)



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
PROTECT service plan



**SureCHECK**  
SureCHECK quality standard

# PRINTING & 3D PRINTING FUME EXTRACTION

## PrintPRO and 3D PrintPRO range



### PrintPRO 400 DS

The PrintPRO 400 DS is our mid to high end fume extraction and filtration system. The unit has been purposely designed to filter the fumes generated from dye sublimation printers. This extraction system combines extremely large filter capacity with high airflows and pressure, making it ideal for heavy duty applications that generate large amounts of gaseous organic compounds.

The 'easi-seal' filter location mechanism makes filter change easy, quick and safe.

**Approvals** CE

**Dimensions** 1170 x 600 x 713mm  
46.07 x 23.63 x 28.07"

**Airflow/Pressure** 400m<sup>3</sup>/hr / 96mbar  
235cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/printpro-400-ds](http://bofainternational.com/printpro-400-ds)



### PrintPRO 800 DS

The PrintPRO 800 DS builds on the quality and design of the PrintPRO 400 DS to give higher airflows and pressure. This combination makes it ideal for heavy duty applications that generate large amounts of gaseous organic compounds.

**Approvals** CE

**Dimensions** 1170 x 600 x 713mm  
46.07 x 23.63 x 28.07"

**Airflow/Pressure** 800m<sup>3</sup>/hr / 96mbar  
470cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/printpro-800-ds](http://bofainternational.com/printpro-800-ds)



### PrintPRO 1200 DS

The PrintPRO 1200 DS is an extraction and filtration unit purposely designed for dye sublimation printers. The coalescing filters trap glycol mist and combine it into larger droplets. These droplets then drip away from the filter when the extractor is stopped due to its reverse flow design. An automatic drain located in the base of the unit opens as soon as the extractor stops, allowing the glycol to exit the machine and be collected in a tray.

A hydrophobic HEPA filter is fitted as standard and an optional gas filter can be fitted as required.

**Approvals** CE

**Dimensions** 1170 x 600 x 713mm  
46.07 x 23.63 x 28.07"

**Airflow/Pressure** 1200m<sup>3</sup>/hr / 96mbar  
705cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/printpro-1200-ds](http://bofainternational.com/printpro-1200-ds)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleit**  
DeepPleit pre filter



**DeepPleit DUO**  
DeepPleit DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

**PRODUCT FEATURES**

Comparison table on page 37

**3D PRINTING**

**3D PrintPRO 2**

The 3D PrintPRO 2 is a low cost unit which extracts fumes generated by the printer without causing the filament deposition area to be cooled.

It has the benefits of low noise level and minimal power consumption. Each unit is supplied with a connection hose, 'stay put' arm and conical shaped nozzle.

*For more information see page 36.*

**Approvals** CE

**Dimensions** 330 x 290 x 270mm  
12.99 x 11.42 x 10.63"

**Airflow** 45m<sup>3</sup>/hr  
26.5cfm

**Technology**



**Datasheet download**

[bofainternational.com/3dprintpro-2](http://bofainternational.com/3dprintpro-2)


**3D PrintPRO 3**

The 3D PrintPRO 3 incorporates an externally mounted plenum system which effectively captures fumes generated during the printing process and returns ultra clean, filtered air to the operator's breathing zone.

It has the benefits of low cost, low power consumption and integral speed control. Each filtration unit is supplied with connection hoses and 'print your own' plenum instructions.

*For more information see page 36.*

**Approvals** CE

**Dimensions** 400 x 290 x 300mm  
15.75 x 11.42 x 11.81"

**Airflow** 150m<sup>3</sup>/hr  
88cfm

**Technology**



**Datasheet download**

[bofainternational.com/3dprintpro-3](http://bofainternational.com/3dprintpro-3)


**3D PrintPRO 4**

The 3D PrintPRO 4 provides a high fume evacuation and filtration rate when connected to a large enclosed 3D printer via its extraction off take point. The system can also return the filtered clean air either back to the printer enclosure for a cleaner print area or to the operator's breathing zone.

It combines high flow rate with speed control within a compact free standing unit.

**Approvals** CE

**Dimensions** 670 x 375 x 410mm  
26.38 x 14.76 x 16.14"

**Airflow** 165m<sup>3</sup>/hr  
97cfm

**Technology**



**Datasheet download**

[bofainternational.com/3dprintpro-4](http://bofainternational.com/3dprintpro-4)



**RFA**  
Reverse flow air  
technology



**ACF**  
Advanced carbon  
filter technology



**MVS**  
Multi voltage  
sensing unit



**PATENTED**  
Patented  
technology



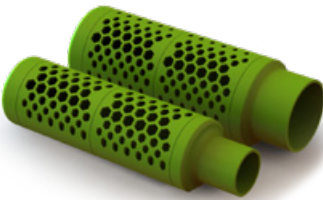
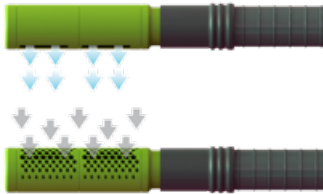
**PROTECT**  
ProTECT service  
plan



**SureCHECK**  
SureCHECK quality  
standard

# PRINTING & 3D PRINTING FUME EXTRACTION

PrintPRO and 3D PrintPRO range



## 'PRINT YOUR OWN' 3D MANIFOLDS

*The BOFA 3D manifolds for 3D printing are provided free of charge for you to print your own.*

The two manifolds are designed to work with the 3D PrintPRO 2 and 3 extraction systems, to provide an air delivery system on one side of the 3D printer, and an air extraction system on the other.

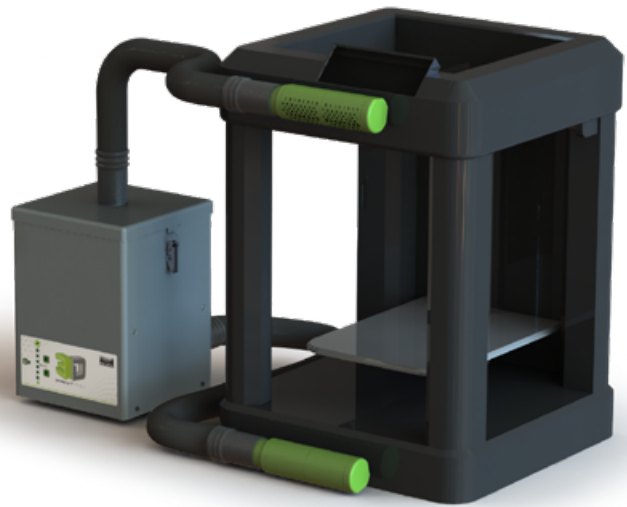
There are five parts to each of the manifolds: a connection spigot; the first end piece; a middle piece (which can be repeated to extend the manifold); and an end piece.

The air outlet has slots along the top of the manifold, allowing a clean band of ultra clean air to flood the open face of the printer.

The air inlet manifold has an open grill of hexagons sucking in the contaminated air, which will pull all the fumes and printing vapours away from the 3D printing area, allowing for a clean working environment and precise final print.

The end plug and connection spigots can be put on either end of the manifold and there is a choice of a straight or 90 degree bend spigot, to allow for correct positioning on the 3D printer.

[bofainternational.com/en/print-your-own](http://bofainternational.com/en/print-your-own)



## FILTER TECHNOLOGY

The PrintPRO and 3D PrintPRO ranges incorporate a range of very large specially treated carbon filters specifically designed for print fumes, foam sponge filters and cheaper pre filters and high efficiency HEPA filters to provide maximum long life filter capacity, operator safety and low cost of ownership. This combination provides complete filtration protection for any printing application.

## ACCESSORIES

BOFA has an extensive selection of hose kits, including the free downloadable 'print your own' manifolds for 3D printing, (see above) which fit all types of applications and printing processes.

For more information, see page 58.

OUR LEADING  
TECHNOLOGY



iQ  
Intelligent (iQ)  
Operating System



DeepPleat  
DeepPleat pre filter



DeepPleat DUO  
DeepPleat DUO  
pre filter



HEPA  
HEPA filter



AFC  
Automatic flow  
control technology

# PRODUCT FEATURES

## Comparison table

	PrintPRO Universal	PrintPRO 500 IQ	PrintPRO 1000 IQ	PrintPRO 1500 IQ	PrintPRO 2000 IQ	PrintPRO 4000	PrintPRO Oracle DS	PrintPRO 400 DS	PrintPRO 800 DS	PrintPRO 1200 DS	3D PrintPRO 2	3D PrintPRO 3	3D PrintPRO 4
Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter condition indicator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High airflow & pressure rates	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Long life, low cost replacement filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MEK carbon	✓	✓	✓	✓	✓								
Small footprint	✓									✓	✓	✓	
Digital speed control	✓										✓	✓	
'Easi-seal' filter location		✓	✓	✓	✓	✓	✓	✓	✓				
Auto sensing voltage (90-257V) for global use	✓					✓				✓	✓		
Automatic flow control system		✓	✓	✓	✓	✓	✓	✓	✓				
Intelligent (iQ) Operating System		✓	✓	✓	✓								
Lockable castors	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓
Fluid collection tray						✓	✓	✓	✓				
Reverse flow air technology		✓	✓	✓	✓	✓	✓	✓	✓				✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SureCHECK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UL	✓	✓	✓	✓									
cUL	✓	✓	✓	✓									
VOC gas sensor	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Remote stop/start interface	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter change/system fail signal	✓	✓	✓	✓	✓	✓	✓	✓	✓				
2 sponge filter version							✓	✓	✓				
Larger silencing inlet/outlet boxes	✓												

3D PRINTING

### HOW TO BUY BOFA

Go to page 10-11 of the brochure to view our different buying options.



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# MECHANICAL ENGINEERING

## DUST EXTRACTION

DustPRO range

### Applications

- |                      |                           |
|----------------------|---------------------------|
| Drilling             | CNC                       |
| Routing              | Artifact restoration      |
| Mechanical engraving | Dust collectors           |
| Grinding             | Industrial air filtration |
| Rotary engraving     | Chip collectors           |
| Linishing            | Weld cleaning             |



BOFA's DustPRO range of dust, particulate and fume collectors and extraction systems have been designed for the safe and effective removal of particulate, dust and swarf generated during processes.

## FEATURED PRODUCT – BEST IN CLASS



### DustPRO Universal

BOFA's DustPRO Universal stand alone dust extraction unit has been developed for the safe and effective removal of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning.

#### Standard features

- Digital speed control - for variable airflow rates
- Auto sensing voltage (90-257V) for global use
- Filters with long life and low replacement cost
- High vacuum blower for effective capture from source
- Brushless motor = longer life
- High efficiency five layer large capacity easy change filter
- HEPA filtration
- Filter full indicator
- Quiet in operation
- Small footprint

*For optional features, see page 43*

The unit's high vacuum pump is brushless & designed for long-term continuous running.

### OEMs

Find out more about how we work with OEMs on page 10

### DISTRIBUTORS

Find out more about how we work with distributors on page 11

### END USERS

Find out more about how we work with end users on page 11

# MECHANICAL ENGINEERING FUME EXTRACTION

## DustPRO range



### DustPRO 50

The DustPRO 50 is a small, compact high vacuum unit with a large capacity bag filter for light weight applications.

One of the main problems with other router extraction relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in the DustPRO 50 dust and fume extraction system is brushless and designed for continuous running.

**Approvals** CE

**Dimensions** 575 x 320 x 295mm  
22.64 x 12.60 x 11.61"

**Airflow/Pressure** 80m<sup>3</sup>/hr / 100mbar  
47cfm / 100mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-50](http://bofainternational.com/dustpro-50)



### DustPRO 100

This unit has been developed for the safe and effective removal of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning. Its brushless motor is designed for continuous running and generates high vacuums while being quiet in operation. The large capacity bag filter has a very high efficiency.

**Approvals** CE

**Dimensions** 570 x 460 x 730mm  
22.44 x 18.11 x 28.74"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 110mbar  
105cfm / 110mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-100](http://bofainternational.com/dustpro-100)



### DustPRO 250

BOFA's DustPRO 250 has a higher airflow, enabling stronger extraction. The blower used in the DustPRO 250 is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter makes it highly efficient.

The optional 24V start/stop and filter change system failure signal ensures efficiency in the running of the unit.

**Approvals** CE

**Dimensions** 520 x 290 x 270mm  
20.47 x 11.42 x 10.63"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
105cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-250](http://bofainternational.com/dustpro-250)



### DustPRO 400

The high vacuum blower used in the DustPRO 400 is the most powerful amongst the smaller units in the DustPRO range. It is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter has very high efficiency of 99.997% removal at 0.3 microns.

**Approvals** CE

**Dimensions** 600 x 290 x 270mm  
23.62 x 11.42 x 10.63"

**Airflow/Pressure** 400m<sup>3</sup>/hr / 96mbar  
235cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-400](http://bofainternational.com/dustpro-400)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

## PRODUCT FEATURES

Comparison table on page 43



### DustPRO Universal

The DustPRO Universal is BOFA's first choice industrial stand alone dust extraction and filtration system. Due to its high airflow and pressure rates, combined with a large 18 litre capacity filter bag and highly efficient HEPA filter, this unit is compact and versatile, meaning you can position it in a location to suit your application without hindering your process.

The unit's high vacuum blower is brushless and designed for longer running before requiring servicing.

**Approvals** CE | cUL | UL

**Featured product - see page 39**

**Dimensions** 590 x 460 x 535mm  
23.23 x 18.11 x 21.06"

**Airflow/Pressure** 285m<sup>3</sup>/hr / 96mbar  
167cfm / 96mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-universal](http://bofainternational.com/dustpro-universal)



### DustPRO 500 iQ

BOFA's DustPRO 500 iQ mid to high end extraction system combines 100 litre filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate large amounts of particulate, with the added protection of the large HEPA filter.

Performance has now been further enhanced with the inclusion of several new features including our Intelligent (iQ) Operating System, making the DustPRO 500 iQ one of the most advanced system available.

The unit can be further enhanced with an additional silencer exhaust box.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 550m<sup>3</sup>/hr / 100mbar  
324cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-500-iq](http://bofainternational.com/dustpro-500-iq)



### DustPRO 1000 iQ

BOFA's DustPRO 1000 iQ's high airflow and pressure combined with extremely large filter capacity (100 litres) makes it ideal for heavy duty applications that generate large amounts of particulate.

The blower used in the DustPRO 1000 iQ dust extraction system is brushless and designed for continuous running, before requiring servicing.

The option of adding a silencer box means you can have quieter running operation.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 850m<sup>3</sup>/hr / 100mbar  
500cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-1000-iq](http://bofainternational.com/dustpro-1000-iq)



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# MECHANICAL ENGINEERING FUME EXTRACTION

## DustPRO range



### DustPRO 1500 iQ

The biggest in our DustPRO range, the DustPRO 1500 iQ combines a 100 litre pre filter bag and high efficiency HEPA with high airflows and pressure. This combination makes it ideal for heavy duty applications that generate large amounts of particulate.

One of the main problems with other dust extractors relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in the DustPRO 1500 iQ is brushless and designed for longer continuous running before requiring servicing. The optional addition of an exhaust silencer box reduces the impact of the machine's running noise in close proximity.

**Approvals** CE | cUL | UL

**Dimensions** 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

**Airflow/Pressure** 1250m<sup>3</sup>/hr / 100mbar  
735cfm / 100mbar

#### Technology



#### Datasheet download

[bofainternational.com/dustpro-1500-iq](http://bofainternational.com/dustpro-1500-iq)



### Mobile FumeKART

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, mold spores, solvent vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre filter, HEPA and gas filter.

**Approvals** CE

**Dimensions** 840 x 475 x 550mm  
33.07 x 18.7 x 21.65"

**Airflow/Pressure** 380m<sup>3</sup>/hr / 100mbar  
223cfm / 100mbar

#### Technology



#### Datasheet download

[bofainternational.com/mobile-fumekart](http://bofainternational.com/mobile-fumekart)

## FILTER TECHNOLOGY

The DustPRO range incorporates large pre filter bags, coupled with high efficiency HEPA filters to provide maximum long life capacity, operator safety and low cost of ownership. This combination provides complete filtration for any industrial application.

For more information visit [bofainternational.com/filters](http://bofainternational.com/filters)

## INLINE FILTERS

We have a range of inline filters ideal for heavy duty applications.

For more information, please see page 60-61 or visit [bofainternational.com/filters](http://bofainternational.com/filters)

## ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes.

See page 58 or contact your sales representative for more information or visit [bofainternational.com/accessories](http://bofainternational.com/accessories)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

# PRODUCT FEATURES

## Comparison table

	DustPRO 50	DustPRO 100	DustPRO 250	DustPRO 400	DustPRO Universal	DustPRO 500 iQ	DustPRO 1000 iQ	DustPRO 1500 iQ	Mobile FumeKART
Compact design	✓	✓	✓						✓
Auto sensing voltage (90-257V) for global use			✓	✓					
Digital speed control			✓	✓					✓
Automatic flow control system					✓	✓	✓		
Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter blocked indicator		✓	✓	✓	✓	✓	✓	✓	✓
HEPA filter technology		✓	✓	✓	✓	✓	✓	✓	✓
Reserve flow air technology					✓	✓	✓		
SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent (iQ) Operating System					✓	✓	✓		
Patented technology					✓	✓	✓		
CE	✓	✓	✓	✓	✓	✓	✓	✓	✓
UL				✓	✓	✓	✓		
cUL				✓	✓	✓	✓		
Remote stop/ start interface		✓		✓	✓	✓	✓		
Filter change/ system fail signal			✓	✓	✓	✓	✓		
Onboard compressor					✓	✓	✓		
Larger silencing inlet/ outlet boxes					✓	✓	✓		
Variety of arms/hoods									✓

### HOW TO BUY BOFA

Go to page 10-11 of the brochure to view our different buying options.



**RFA**  
Reverse flow air  
technology



**ACF**  
Advanced carbon  
filter technology



**MVS**  
Multi voltage  
sensing unit



**PATENTED**  
Patented  
technology



**PROTECT**  
ProTECT service  
plan



**SureCHECK**  
SureCHECK quality  
standard



BOFA's DentalPRO range of fume extraction systems effectively removes potentially harmful zirconia dust and particulate generated during the CAD/CAM manufacture and hand finishing of crown and bridge frameworks for dental implants.

## FEATURED PRODUCT – BEST IN CLASS



### DentalPRO Xtract 300

The Xtract 300 is ideally suited to manual bench top applications and provides technicians the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in one compact unit, with scalable and flexible options with different accessories, lighting and internal storage.

#### Standard features

- Easily replaced screen protector ensures clear visibility at all times
- Internal storage trays
- Padded arm rests
- Internal LED lighting
- Rear entry grommets for mains powered hand finishing units
- Interchangeable accessories
- Removable collection trays
- Strong rigid construction

*For optional features, see page 49*

Flagship dust and fume extraction dental cabinet designed for multiple hand finishing or monomer mixing applications.

### OEMs

Find out more about how we work with OEM's on page 10

### DISTRIBUTORS

Find out more about how we work with distributors on page 11

### END USERS

Find out more about how we work with end users on page 11

# DENTAL FUME EXTRACTION

## DentalPRO range



### DentalPRO MONO

The DentalPRO Mono under bench fume extraction system effectively removes toxic fumes and vapours emitted by the mixing of monomers in dental laboratories.

Designed for use with the DentalPRO Xtract 100 (page 48) or 200 (page 48) fume cabinets, the DentalPRO Mono is ideally suited to monomer mixing applications with its large chemical filter. This unit offers technicians the ability to work in the knowledge that fumes are being effectively removed to maintain a safe working environment.

The low noise motor used in the DentalPRO Mono is brushless and designed for longer continuous running before requiring servicing.

This system combines maximum technician protection in a small footprint it is an easy to operate unit with low running costs.

**Approvals** CE

**Dimensions** 405 x 290 x 270mm  
15.94 x 11.42 x 10.63"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
106cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dentalpro-mono](http://bofainternational.com/dentalpro-mono)



### DentalPRO 250

BOFA's DentalPRO 250 under bench dust extraction system effectively removes smaller particulates generated during the hand finishing of dental implants.

It is ideally suited to manual bench top applications, where technicians need to be able to work without restriction, but in the knowledge that dust particles are being effectively removed to maintain a safe working environment.

The blower used in the DentalPRO 250 dust extraction system is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter is very high efficiency.

This single user system combines maximum operator protection in a small footprint, it is an easy to operate unit with low running costs.

**Approvals** CE

**Dimensions** 520 x 290 x 265mm  
20.47 x 11.42 x 10.53"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
106cfm / 30mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dentalpro-250](http://bofainternational.com/dentalpro-250)



### DentalPRO 400

Multi user dust extraction system for hand finishing dental applications. BOFA's DentalPRO 400 under bench dust extraction system effectively removes smaller particulates generated during the hand finishing of dental implants.

The DentalPRO 400 is ideally suited to manual bench top applications, where technicians need to be able to work without restriction, but in the knowledge that dust particles are being effectively removed to maintain a safe working environment.

The high vacuum blower used in the DentalPRO 400 is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter is very high efficiency.

This multi user system combines maximum operator protection in a small footprint, it is an easy to operate unit with low running costs.

**Approvals** CE

**Dimensions** 595 x 290 x 275mm  
23.43 x 11.42 x 10.83"

**Airflow/Pressure** 400m<sup>3</sup>/hr / 96mbar  
235cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dentalpro-400](http://bofainternational.com/dentalpro-400)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

## PRODUCT FEATURES

Comparison table on page 49



### DentalPRO Universal

BOFA's DentalPRO Universal stand alone dust extraction system effectively removes smaller particulates generated during the CAD/CAM milling of dental implants. The unit's high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles are being effectively removed to maintain a clean working environment.

The unit's high vacuum pump is brushless and designed for continuous running for longer periods of time before requiring servicing. The bag filter has a large 18 litre capacity and the HEPA filter is highly efficient.

Approvals CE

Dimensions 590 x 460 x 535mm  
23.23 x 18.11 x 21.06"

Airflow/Pressure 285m<sup>3</sup>/hr / 96mbar  
167cfm / 96mbar

Technology



Datasheet download

[bofainternational.com/dentalpro-universal](http://bofainternational.com/dentalpro-universal)



### DentalPRO Base

BOFA's DentalPRO Base is a ride on dust extraction system, which effectively removes smaller particulates generated during the CAD/CAM milling of dental implants. The unit is designed for the milling machine to be securely placed on top of the extraction system, which itself doubles up as a space saving stand.

The unit's high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles are being effectively removed, to maintain a clean working environment. The bag filter has a large 18 litre capacity and the HEPA filter has an efficiency of 99.997% down to 0.3 microns.

The high vacuum blower is brushless and designed for longer continuous running before requiring servicing. An added optional extra is an onboard compressor providing the miller with clean oil-free air for all compressed air requirements.

Approvals CE

Dimensions 610 x 670 x 765mm  
24.02 x 26.38 x 30.12"

Airflow/Pressure 285m<sup>3</sup>/hr / 96mbar  
167cfm / 96mbar

Technology



Datasheet download

[bofainternational.com/dentalpro-base](http://bofainternational.com/dentalpro-base)



### DentalPRO 1000 iQ

BOFA's DentalPRO 1000 iQ's high airflow and pressure combined with extremely large filter capacity (100 litres) makes it perfect for multi station extraction. It is ideal for heavy duty applications that generate large amounts of particulate, especially multi-milling unit extraction.

The pump used in the DentalPRO 1000 iQ dust and fume extraction system is brushless and designed for continuous running before servicing.

The option of adding a silencer box means you can have quieter running operation.

Approvals CE

Dimensions 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

Airflow/Pressure 850m<sup>3</sup>/hr / 100mbar  
500cfm / 100mbar

Technology



Datasheet download

[bofainternational.com/dentalpro-1000-iq](http://bofainternational.com/dentalpro-1000-iq)



### DentalPRO 1000 iQ M

This unit combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate larger amounts of particulate during the CAD/CAM milling of dental implants. It is designed as a centralised system, for multiple milling machines to be used at once.

The high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles and fumes are being effectively removed, to maintain a clean working environment. The large capacity bag filter provides long life, while the HEPA filter has an efficiency of 99.997% down to 0.3 microns ensuring a safe working environment.

Approvals CE

Dimensions 1205 x 615 x 790mm  
47.44 x 24.21 x 31.10"

Airflow/Pressure 850m<sup>3</sup>/hr / 100mbar  
500cfm / 100mbar

Technology



Datasheet download

[bofainternational.com/dentalpro-1000-iq-m](http://bofainternational.com/dentalpro-1000-iq-m)



RFA  
Reverse flow air  
technology



ACF  
Advanced carbon  
filter technology



MVS  
Multi voltage  
sensing unit



PATENTED  
Patented  
technology



PROTECT  
PROTECT service  
plan

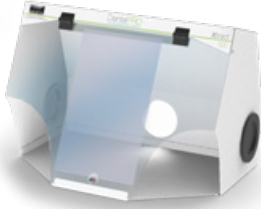


SureCHECK  
SureCHECK quality  
standard

# DENTAL FUME EXTRACTION

DentalPRO range

## DentalPRO Xtract 100



BOFA's DentalPRO Xtract 100 dust and fume extraction cabinet is designed for the effective removal of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in a small footprint, with scalable and flexible options.

**Approvals** CE

**Dimensions** 290 x 400 x 345mm  
11.42 x 15.75 x 13.58"

**Opening Dimensions** 265 x 400mm  
10.4 x 15.6"

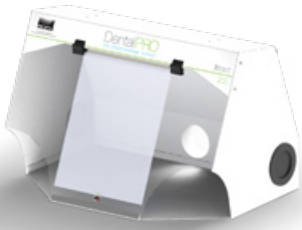
**Technology**



**Datasheet download**

[bofainternational.com/dentalpro-xtract-100](http://bofainternational.com/dentalpro-xtract-100)

## DentalPRO Xtract 200



BOFA's DentalPRO Xtract 200 dust and fume extraction cabinet is designed for the effective removal of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in a small footprint, with scalable and flexible options.

**Approvals** CE

**Dimensions** 355 x 540 x 400mm  
13.98 x 21.26 x 15.75"

**Opening Dimensions** 315 x 540mm  
12.4 x 21.3"

**Technology**



**Datasheet download**

[bofainternational.com/dentalpro-xtract-200](http://bofainternational.com/dentalpro-xtract-200)

## DentalPRO Xtract 300

Dust and fume extraction cabinet for multiple hand finishing dental laboratory applications. BOFA's DentalPRO Xtract 300 dust and fume extraction dental cabinet is designed for the effective removal of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a well lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively removed to maintain a safe working environment.

This system combines maximum technician protection in one compact unit, with scalable and flexible options with different accessories, lighting and internal storage.

**Approvals** CE

**Featured product - see page 45**

**Dimensions** 380 x 730 x 520mm  
14.96 x 28.74 x 20.47"

**Opening Dimensions** 380 x 695mm  
14.96 x 27.36"

**Technology**



**Datasheet download**

[bofainternational.com/dentalpro-xtract-300](http://bofainternational.com/dentalpro-xtract-300)

## DentalPRO accessories

BOFA offers a choice of interchangeable specialist accessories designed to work with the DentalPRO range, for use in all dental laboratory applications.

For more information, visit [bofainternational.com/dental-accessories](http://bofainternational.com/dental-accessories)



**OUR LEADING TECHNOLOGY**



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow control technology

# PRODUCT FEATURES

## Comparison table

	DentalPRO Mono	DentalPRO 250	DentalPRO 400	DentalPRO Universal	DentalPRO Base	DentalPRO 1000 IQ	DentalPRO 1000 IQ M	DentalPRO Xtract 100	DentalPRO Xtract 200	DentalPRO Xtract 300
STANDARD FEATURES	Compact design	✓	✓	✓				✓	✓	✓
	Auto sensing voltage (90-257V) for global use			✓	✓	✓				
	Digital speed control			✓	✓	✓				
	Autoflow					✓	✓			
	Brushless motor	✓	✓	✓	✓	✓	✓			
	Filter blocked indicator	✓	✓	✓	✓	✓	✓			
	Advanced carbon filter technology	✓				✓	✓			
	HEPA filter technology		✓	✓	✓	✓	✓			
	Reverse flow air technology					✓	✓			
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Patented technology					✓	✓			
	Replaceable protector screen							✓	✓	✓
	Internal LED strip light							✓	✓	✓
	Side entry grommets							✓	✓	✓
	Removable collection tray							✓	✓	✓
	Intelligent (iQ) Operating System					✓	✓			
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL				✓					
	cUL				✓					
OPTIONAL FEATURES	VOC gas sensor (Volatile Organic Compound)				✓	✓				
	Remote stop/start interface		✓	✓	✓	✓				
	Filter change/system fail signal		✓	✓		✓	✓			
	Foot switch	✓	✓							
	90° spigot lid	✓								
	Onboard compressor				✓	✓	✓			

We have a comprehensive range of extraction systems suitable for laboratories and industrial processes, whether they generate small amounts of fine particulate or large volumes of dust.

**See pages 38-43 for more information.**



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard



Our pharmaceutical and medical fume extraction range can be applied to a number of related applications associated with R&D laboratories and manufacturing facilities. They are ideal for applications that require the operator to work in close proximity to the process for precision accuracy but within an enclosed area.

## FEATURED PRODUCT – BEST IN CLASS



### FumeCAB 1000 iQ

The 'best in class' high performance FumeCAB 1000 iQ integrated filtration system boasts a large working area with bright ultra slim energy saving LED strip lights plus UV lights as optional.

#### Standard features

- Combined HEPA/gas filter incorporating advanced carbon filter technology
- Certified to BS 7989:2001 - recirculatory filtration fume cabinet specification
- Ensures operational compliance with HSG258 guidelines
- Energy saving ultra-bright slimline LED lighting
- Twin coated anti UV/ anti splash protective polycarbonate visor
- Audible and visual warning alarms
- Also available in tall or deep, and with ESD or conformal coating

*For optional features - see page 53*

Integrated filtration cabinet that ensures compliance with legislations.

## OEMs

Find out more about how we work with OEMs on page 10

## DISTRIBUTORS

Find out more about how we work with distributors on page 11

## END USERS

Find out more about how we work with end users on page 11

# PHARMACEUTICAL & MEDICAL FUME EXTRACTION

## FumeCAB range



### FumeCAB 250

A small but versatile fume cabinet which can be used for an array of applications.

The HSG258 code of practice means partial enclosures are steadily becoming the preferred option for operator protection from fumes generated from processes that produce harmful fumes.

The FumeCAB 250 fume cabinet has been purposely designed to help employers comply with these regulations.

**Ideal partner to the V250 - see page 25**

Dimensions 290 x 400 x 300mm  
11.42 x 15.75 x 11.81"

Opening Dimensions 265 x 400mm  
10.4 x 15.7"

Technology



**Datasheet download**

[bofainternational.com/fumecab-250](http://bofainternational.com/fumecab-250)



### FumeCAB 600

Providing a larger working area with higher airflow for use in several applications, the FumeCAB 600 boasts the same features as the FumeCAB 250 and works alongside the V600 extraction system to protect the operator.

**Ideal partner to the V600 - see page 26**

Dimensions 355 x 610 x 420mm  
13.98 x 24.02 x 16.54"

Opening Dimensions 315 x 540mm  
12.4 x 21.3"

Technology



**Datasheet download**

[bofainternational.com/fumecab-600](http://bofainternational.com/fumecab-600)



### FumeCAB 700

The complete solution for fume cabinet extraction for a broad range of applications. Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the HSE in the UK, are now making direct reference through guidance documentation - such as HSG258 - to their use.

The FumeCAB 700 integrated filtration system has been designed to ensure compliance with the latest regulations. The innovative cam filter change design enables safe and simple front loading filter replacement and provides many benefits over alternative rear access systems. Ultra-bright slim line energy saving LED lights come as standard with optional UV lighting.

**Approvals** CE

Dimensions 780 x 700 x 490mm  
30.71 x 27.56 x 19.29"

Opening Dimensions 675 x 225mm  
26 x 8.8"

Technology



**Datasheet download**

[bofainternational.com/fumecab-700](http://bofainternational.com/fumecab-700)



### FumeCAB 1000 iQ

The FumeCAB 1000 iQ integrated filtration system has been designed to ensure compliance with the latest regulations.

Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the HSE in the UK, are now making direct reference through guidance documentation - such as HSG258 - to their use.

Ultra-bright slim line energy saving LED lights come as standard with optional UV lighting.

The FumeCAB 1000 iQ is available in different options to suit your application. We offer tall; deep; and with ESD or conformal coating.

**Approvals** CE

**Featured product - see page 51**

Dimensions 1003 x 1000 x 655mm  
39.49 x 39.37 x 25.79"

Opening Dimensions 285 x 1000 x 650mm  
11.2 x 39.4 x 25.6"

Technology



**Datasheet download**

[bofainternational.com/fumecab-1000-iq](http://bofainternational.com/fumecab-1000-iq)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

# PRODUCT FEATURES

## Comparison table



**NEW**

### PurePOD

The PurePOD system has been especially designed for the podiatry industry to extract and remove harmful airborne dust generated in the working environment.

The hazards associated with filing skin particles and associated applications need to be assessed under the COSHH regulations. The main concern is the inhalation of dust and particles produced when doing any of these applications.

The multi-layered pre and HEPA filters in the BOFA PurePOD capture all the contaminants and return clean air back into the environment.

Ideal for any environment, the PurePOD is very quiet and will fit easily into any small space, without the need to replace existing podiatry clinic furniture. Its mobile extraction arm can be manoeuvred into any position to allow the user maximum extraction with minimal interference.

Dimensions 650 x 371 x 520mm  
25.6 x 14.6 x 20.47"

Airflow/Pressure 285m<sup>3</sup>/hr / 96mbar  
167cfm / 96mbar

#### Technology



#### Datasheet download

[bofainternational.com/purepod](http://bofainternational.com/purepod)

#### Approvals CE

	FumeCAB 250	FumeCAB 600	FumeCAB 700	FumeCAB 1000 iq	PurePOD
Compact size	✓	✓			✓
Brushless motor			✓	✓	✓
Side entry grommets			✓	✓	
Audible and visual warning alarms			✓	✓	✓
Filter blocked indicator			✓	✓	✓
Advanced carbon filter technology			✓	✓	
HEPA filter technology			✓	✓	
LED strip lights	✓	✓	✓	✓	✓
Intelligent (iQ) Operating System				✓	
Reverse flow filter technology			✓	✓	
Automatic flow control system			✓	✓	
Patented technology				✓	
Hose kit	✓	✓			✓
CE	✓	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓
VOC monitor			✓	✓	
Stand			✓	✓	
Conformal coating blackout kit			✓	✓	
UV lights			✓	✓	
Anti-static (ESD)			✓	✓	
Tall				✓	
Deep				✓	

We have a comprehensive range of extraction systems suitable for laboratories and industrial processes, whether they generate small amounts of fine particulate or large volumes of dust.

**See pages 38-43 for more information.**

### FILTER TECHNOLOGY

The integrated FumeCAB provides a safe working environment protected by a three-stage filtration system consisting of a cheaper, more cost effective pre filter, high efficiency HEPA filter and a large carbon filter specifically designed to capture all the particulate and fumes generated in pharmaceutical and medical applications. For more information visit [bofainternational.com/filters](http://bofainternational.com/filters)

### ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes. There are a large number of product options too - see page 58 or speak to your sales representative for more information or visit [bofainternational.com/accessories](http://bofainternational.com/accessories)

### HOW TO BUY BOFA

Go to page 10-11 of the brochure to view our different buying options.



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# BEAUTY FUME EXTRACTION

Sleek fume extraction systems for modern beauty and hair salons

## Applications

Manicures

Nail filing

Nail varnishing

Pedicures

Gel and acrylic nails

Nail dust



Our PureBEAUTY fume extraction range incorporates our years of knowledge in the extraction and filtration industry with sleek design to provide innovative, salon friendly solutions to specifically remove and safely capture a range of harmful and toxic fumes and dust found in the salon environment.



## FEATURED PRODUCT – BEST IN CLASS



### PureBEAUTY

The PureBEAUTY extraction system is easily portable and adaptable so will fit easily into any salon, without the costly need to replace existing nail stations or furniture.

It is easy to install and use, removing any toxic fumes and dust particulates generated during beauty processes. This unit helps you adhere to regulatory Health and Safety standards, keeping you, your staff and your customers safe and protected.

#### Standard features

- Low noise levels
- Advanced carbon filter technology
- Filter blocked indicator
- Compact system

*For optional features - see page 57*

This extraction system will fit easily into any salon, without the costly need to replace existing nail stations or furniture.

### OEMs

Find out more about how we work with OEMs on page 10

### DISTRIBUTORS

Find out more about how we work with distributors on page 11

### END USERS

Find out more about how we work with end users on page 11

# BEAUTY FUME EXTRACTION

PureBEAUTY range



## PureBEAUTY

The PureBEAUTY fume extraction, air purification system has been designed to extract dust and fumes generated during many beauty processes, including nail treatments. It will fit easily and discreetly into any salon, without the costly need to replace existing nail stations or furniture.

**Approvals** CE

**Featured product - see page 55**

**Dimensions** 420 x 290 x 270mm  
16.54 x 11.42 x 10.63"

**Airflow/Pressure** 90m<sup>3</sup>/hr / 20mbar  
53cfm / 20mbar

**Technology**



**Datasheet download**

[bofainternational.com/purebeauty](http://bofainternational.com/purebeauty)



## PureBEAUTY+

The hazards associated with quick-dry nail sprays, nail varnishes and removers, as well as nail extension materials need to be assessed under the UK COSHH regulations. The main concern is the inhalation of dust or solvent fumes produced when using these products.

The multi-layered pre and chemical filters in the PureBEAUTY+ captures all the contaminant and returns clean air into the salon. It fits into any salon, without the need to replace existing nail stations or furniture.

**Approvals** CE

**Dimensions** 420 x 290 x 270mm  
16.54 x 11.42 x 10.63"

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
106cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/purebeauty-plus](http://bofainternational.com/purebeauty-plus)

OUR LEADING  
TECHNOLOGY



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**AFC**  
Automatic flow  
control technology

# PRODUCT FEATURES

## Comparison table

	PureBEAUTY	PureBEAUTY +	
STANDARD FEATURES	Small footprint	✓	✓
	Compact size	✓	✓
	Brushless motor	✓	✓
	Filter blocked indicator	✓	✓
	Advanced carbon filter technology	✓	✓
	CE	✓	✓
	ProTECT	✓	✓
	SureCHECK quality standard	✓	✓
	VOC Sensor	✓	✓
		OPTIONAL FEATURE	

### FILTER TECHNOLOGY

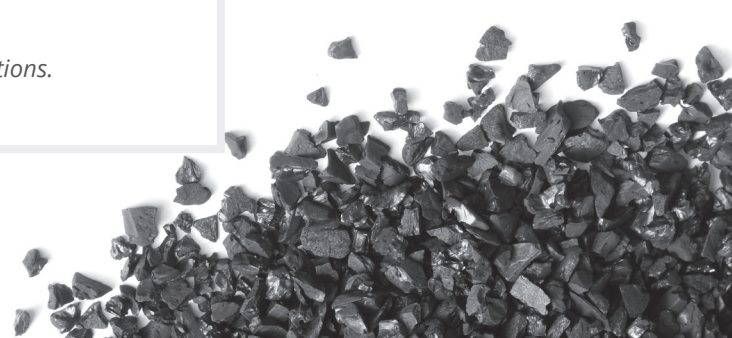
The PureBEAUTY range incorporates cheaper cost effective pre filters with large carbon filters specifically designed for salon environment applications. Coupled together they provide maximum long life filter capacity to give operator safety with low cost of ownership. This combination provides a complete filtration system for any salon setup. For more information visit [bofainternational.com/filters](http://bofainternational.com/filters)

### ACCESSORIES

BOFA has an extensive selection of arms, down draught trays and hose kits to fit all types of salon applications and processes. See page 58, contact your sales representative for more information or visit [bofainternational.com/accessories](http://bofainternational.com/accessories)

### HOW TO BUY BOFA

Go to page 10-11 of the brochure to view our different buying options.



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



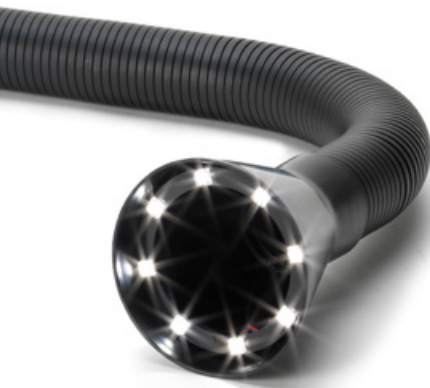
**SureCHECK**  
SureCHECK quality standard

# ACCESSORIES

Dust and fume extraction products

## ARMS

<b>Funnel</b>	Available in 32mm, 38mm, 50mm, 75mm Also available in stainless steel
<b>Nozzle</b>	Available in 32mm, 38mm, 50mm Also available in stainless steel
<b>Slotted nozzle</b>	Available in 50mm
<b>Plenum funnel</b>	Available in 50mm
<b>LED</b>	Available in white and black
<b>LocLINE</b>	Available in 75mm and variety of nozzles



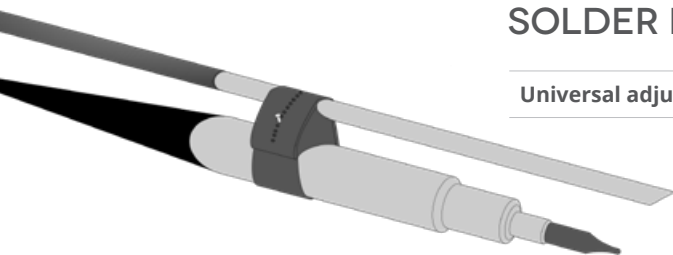
## DESKTOP ACCESSORIES



<b>Downdraught tray</b>	Available in 50mm, 75mm
<b>Cowl</b>	Available in 50mm, 75mm Also available in clear and ESD (black)
<b>Table bracket</b>	Available in 50mm, 75mm
<b>Automatic flush system seal</b>	Available for 32mm, 38mm, 50mm
<b>Bench peg</b>	

## SOLDER IRON CONNECTION KITS

<b>Universal adjustable kit</b>	Available in ESD or non ESD
---------------------------------	-----------------------------



OUR LEADING  
TECHNOLOGY



iQ  
Intelligent (iQ)  
Operating System



DeepPleat  
DeepPleat pre filter



DeepPleat DUO  
DeepPleat DUO  
pre filter



HEPA  
HEPA filter



AFC  
Automatic flow  
control technology

## PIPEWORK



We offer a wide range of pipework available in 50mm, 75mm, 110mm, 125mm. Speak to your sales representative to ensure you get the right pipework for your system.

### HOW TO BUY BOFA


Go to page 10-11 of the brochure to view our different buying options.



## TCU







The Temperature Control Unit (TCU) has been designed to meet a very specific process requirement within the electronics sector. The reliable placement of surface mount devices during PCB assembly requires that during the initial printing stage the solder paste is maintained at a temperature which ensures optimum performance. With assembly now on a global basis the variation of local climate and factory conditions means that this optimum level cannot be maintained without some form of intervention.

The design of the TCU includes cooling and heating elements which ensure that the temperature within the printing environment is maintained within 1°C of the optimum paste performance temperature regardless of whether the factory ambient is above or below this level.

<b>Approvals</b> CE   	<b>Dimensions</b> 1300 (+ beacon) x 510 x 670mm 51.18 x 20.08 x 26.38"
--	--

## LASER COOLING UNITS



<b>AD 200 CU</b> <b>Approvals</b> CE  	Our AD 200 CU is an electrically driven, cooling air unit. It supplies cool, filtered air to both the laser and power supply module. This clean, cool air ensures optimal laser performance and reliability.  <b>Dimensions</b> 260 x 250 x 285mm 10.2 x 9.9 x 11.2"
<b>AD 350 CU</b> <b>Approvals</b> CE    	Our AD 350 CU is designed to supply cool, filtered air to both the laser and power supply module. This clean, cool air ensures optimal laser performance and reliability. It can also be used as a seal to increase the IP rating of the laser.  <b>Dimensions</b> 395 x 380 x 380mm 15.55 x 14.96 x 14.96"



**RFA**  
Reverse flow air technology



**ACF**  
Advanced carbon filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**PROTECT**  
ProTECT service plan



**SureCHECK**  
SureCHECK quality standard

# INLINE FILTERS

Dust and fume extraction products



## AD Cyclone

Laser marking generates a range of particle sizes from 0.1 micron upwards so standard cyclone separators are not suitable.

BOFA's inline cyclone is designed to operate more efficiently at these lower particle sizes.

The cyclone separator has been designed specifically for use with the AD Oracle iQ (see page 16) and is installed between the laser extraction point and the extractor. The airflow generated by the extraction unit powers the cyclone.



### Dimensions

800 x 300 x 140mm  
31.5 x 11.81 x 5.51"



## ILF 300/600

The BOFA inline pre filters have been designed specifically for applications that generate high amounts of dust or particulate.

The filter unit is positioned alongside the main BOFA fume filtration system to increase the overall filter capacity and extend the life of the main, more expensive filters.

A range of application dependent filter types and configurations are available on request.

### ILF 300



### Dimensions

796 x 638 x 328mm  
31.34 x 25.12 x 12.92"

### ILF 600



### Dimensions

820 x 631 x 635mm  
32.28 x 24.84 x 25"



## ILF 1000

The BOFA inline pre filter 1000 has been designed specifically for applications that generate high amounts of dust or particulate.

This inline filter unit has a large DeepPleat DUO and is positioned alongside the main BOFA fume filtration system to increase the overall filter capacity and extend the life of the main filters.



### Dimensions

650 x 617 x 763mm  
25.6 x 24.3 x 30"

OUR LEADING  
TECHNOLOGY



iQ  
Intelligent (iQ)  
Operating System



DeepPleat  
DeepPleat pre filter



DeepPleat DUO  
DeepPleat DUO  
pre filter



HEPA  
HEPA filter



AFC  
Automatic flow  
control technology



## ILF Spark Arrestor

BOFA's ILF Spark Arrestor unit effectively prevents potentially damaging burning particulates, generated during laser marking processes, from entering the fume extraction system.

Hot burning particulate is trapped by the unit's special metal filter pads, where it remains and burns out, so protecting the fume extraction system.



### Dimensions

565 x 327 x 305mm  
22.2 x 12.9 x 12"

NEW



## FireBOX GA/MA - self extinguishing inline pre filter

In the rare event that a burning ember is drawn into the fume extraction unit, there is the possibility that debris in the filters could ignite. Although any resultant fire would typically be retained within the fume extraction unit, this would cause significant damage and in extreme circumstances the risk may extend beyond the extraction unit. For processes where such risks have been identified, additional protection in the form of an in line firebox is an additional precaution.

### FireBOX GA

#### Approvals CE



#### PATENT PENDING

For added safety and protection from fire. The built in temperature controller can be set so when a 10°C temperature rise is detected, the FireBOX GA will activate the isolating valves and switch off the power to the extraction unit, suppressing the airflow to the FireBOX and reducing the speed of fire. If this does not suppress the fire and the temperature rises another 10°C then the fire extinguisher will be activated.

The FireBOX GA is designed for general applications and is not for use on metal-based applications. Please refer to the FireBOX MA below or speak to your sales representative to ensure you chose the right system.

Dimensions 1186 x 480 x 600mm (including beacon)  
46.7 x 19 x 24"

Airflow/Pressure Up to 500m<sup>3</sup>/hr  
Up to 294cfm

**Datasheet download**  
[bofainternational.com/firebox-ga](http://bofainternational.com/firebox-ga)

### FireBOX MA

#### Approvals CE



#### PATENT PENDING

For added safety and protection from metal fires. The FireBOX MA hosts all the same features and benefits as the FireBOX GA (above) but has been designed specifically for metal-based applications. If you are not working with metal, please refer to the FireBOX GA above or speak to your sales representative to ensure you chose the right system.

Dimensions 1186 x 480 x 600mm (including beacon)  
46.7 x 19 x 24"

Airflow/Pressure Up to 500m<sup>3</sup>/hr  
Up to 294cfm

**Datasheet download**  
[bofainternational.com/firebox-ma](http://bofainternational.com/firebox-ma)



**RFA**  
Reverse flow air  
technology



**ACF**  
Advanced carbon  
filter technology



**MVS**  
Multi voltage  
sensing unit



**PATENTED**  
Patented  
technology



**PROTECT**  
ProTECT service  
plan



**SureCHECK**  
SureCHECK quality  
standard

## THE FUTURE

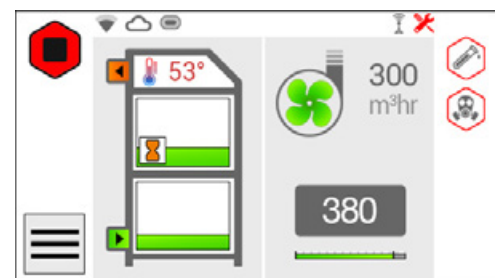
We invest heavily in R&D to ensure we are ahead of the game, providing global solutions to global customers.

The growth in demand for fume extraction looks set to continue the world over, giving manufacturers that have sufficient vision the confidence to invest in resources to develop new products and features to challenge convention and 'raise the bar' in the fume extraction world.

## iQ2 THE NEXT GENERATION OF FUME EXTRACTION

The hugely successful introduction of iQ based extraction units established a step change in fume extraction technology. For the first time users were able to monitor real time filter performance and access system data to support fast and effective filter replacement and system maintenance.

iQ2 second generation Intelligent (iQ) Operating System, combines field proven iQ reliability with a range of new and highly advanced feature enhancements, adding significantly to the list of seller and user benefits.



### THE iQ2 WILL BE AVAILABLE IN THREE VERSIONS:



**Standard model**  
USB interface



**Advanced model**  
Fieldbus connectivity



**Advanced model**  
Cloud based connectivity



## SMART FILTER TECHNOLOGY

BOFA's smart filter technology works with the iQ to give assured filter performance.

Incorporating proven RFID technology, each smart filter has a uniquely coded non-removable label allowing the iQ Operating System to establish authenticity and suitability of the filter being used. Smart filter technology provides the end user with the added safety assurance that they are using a proprietary filter of the right type for their application and chosen extraction unit.



## DeepPleat DUO with INTEGRATED SPARK ARRESTOR

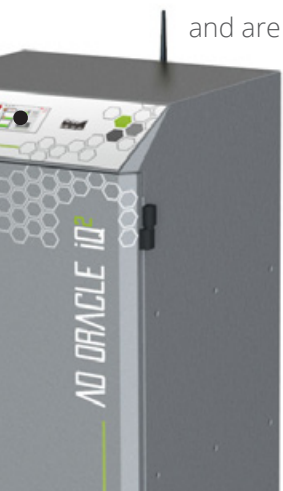
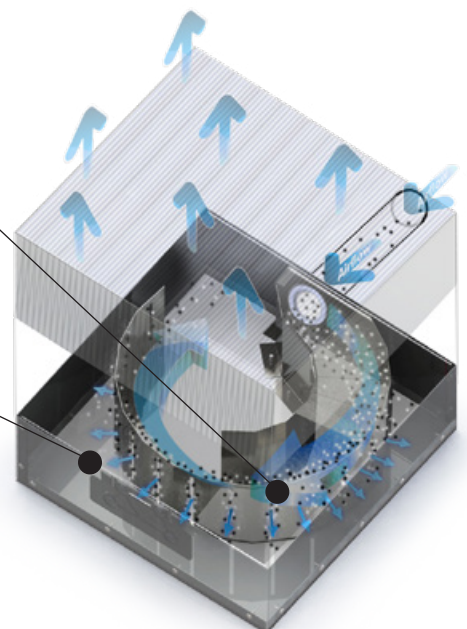
This new DeepPleat DUO pre filter has an integrated spark arrester box built into the base, acting as a safe-guard precaution by protecting the filter media from sparks which may have been generated during the layering process.



## DeepPleat TRIO PRE FILTER DESIGN

Contaminated air enters the constricted inlet before passing up through the filter media. The retained high velocity carries the heavier particles through centripetal force, to move towards the outside of the curved path where they contact the steel scroll and are retained.

A series of slots/openings in the scroll plate assist in causing the particulate to separate the air-stream and settle in the drop-out chamber within the base.





THE WORLD LEADER IN  
FUME EXTRACTION TECHNOLOGY

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Web. [bofainternational.com](http://bofainternational.com)