

Setting new standards Profitronic M

Washing machines
Tumble dryers



Typically Miele



Miele is a byword for quality and this features foremost in the design philosophy of all Miele equipment. We know that reliability is a key requirement and Miele machines are manufactured to a high engineering standard to provide the durability that is essential for a trouble free working life in demanding commercial applications.

To achieve and maintain this high standard Miele manufactures many of the component parts, including the electronic control units, in its own plants. Great importance is placed on development and in 2003/4 Miele invested EUR 135m in expansion of the company. INNOVATION M was part of that investment programme and set a new benchmark for commercial laundry equipment. Designed for use by laundry professionals and with an emphasis on minimising costs, the INNOVATION M range of washing machines and tumble dryers offers a high degree of versatility.

The PROFITRONIC M control is simple to operate yet also features flexible functionality to enable the user to adapt the machine to suit their own working practises.

Standard wash programmes have been optimised to provide high quality wash results with minimum energy consumption. In addition, Miele's experience in a wide range of commercial applications has resulted in the development of special wash programmes which can be specified as a factory installed option or easily added as a retro-fit using the chip card. From bedding and curtain programmes for hotels, horse blanket cleaning in equestrian centres, processing protective clothing for emergency services to the washing and disinfecting of soiled laundry in heathcare applications to meet HSG (95)18 and The Care Standard Act 2000. Whatever the application Miele INNOVATION M will provide the solution.

Professional solutions for professional users: Miele has been leading the field in developing washer-extractors and cleaning processes for over a century. As well as versatile machine systems for in-house laundries, adaptable to every size of business, the product range includes practical accessories, as well as professional dishwashers for all daily dishwashing requirements. A complete service from just one source.

Miele Professional's system solutions offer sophisticated washer-extractors and tumble dryers perfectly matched in output and economy for capacities ranging from 6 kg to 32 kg, complemented by rotary ironers for the perfect finish: innovative technology for individual requirements.

INNOVATION M is the latest generation of Miele professional machines. The new machines incorporate patented technology such as the MIELE HONEYCOMB DRUM for maximum longevity of your expensive linen, the new SHIELD style front design, and state-of-the-art Miele intelligence with the new freely programmable PROFITRONIC M controls. This innovative technology also ensures even greater economy. The new generation machines are all designed to perform thousands of problem-free programme cycles effortlessly.

Miele laundry machines offer high tech, high quality that is made in Germany. Product development and production are carried out in compliance with the quality standards set by DIN EN ISO 9001.



The advantages of Miele commercial technology



Technology

Miele's patented stainless steel HONEY-COMB DRUM guarantees optimum care for all fabrics. The laundry floats on a protective film of water, making it almost impossible for fibres to be drawn through the perforations. The specially designed drum ribs allow the water to saturate the laundry very quickly, reducing washing times.

The high spin speeds with a G-factor of up to 500 make for optimum water extraction and the innovative shape of the drum makes unloading very easy.

The large, hydraulic controlled drain valve guarantees fast drainage, while safety checks ensure a high level of reliability. The large drain valve diameter prevents it from becoming blocked by foreign objects, and because it is connected directly to the suds container, no water or detergent are lost.

Electrical installation is simple via the integrated connection box at the rear of the machine, with no need to remove the lid of the appliance. There are also connections for detergent dispensers at the rear of the machine (10 for liquid agents and 2 for viscous agents).

The patented Miele HONEYCOMB DRUM is also used for the tumble dryers where it guarantees a high level of drum stability and optimum fabric care. The laundry floats on a gentle cushion of air as it dries, resulting in less creasing which is a distinct advantage when it comes to ironing.

Drying is particularly fast and gentle thanks to the axial air current and the recirculating vent baffle system. Once the hot air has become saturated, a baffle can be switched from the energy saving AIR RECYCLING system to venting alone.

Miele technology guarantees economy as well as quality as the machines are designed for over 30,000 programme cycles.



Intelligence

The freely programmable PROFITRONIC M controls offer 16 standard programmes for optimum efficiency, including the new “Handwashable Woollens” programme. 183 programme slots are available either for individual programming or for the Miele programme packages. The graphic display combines symbols and clear text for easy programming and programmes are selected via a rotary dial. The machines can also be operated via chip card.

Temperatures, temperature holding times, wash times, drum rhythms and spin speeds are all programmable to suit your needs. The laundry to suds ratio is freely programmable, and the load recognition system automatically controls the water intake to suit the size of each individual wash load.

An automatic weighing system and dispenser pumps are available as optional extras to ensure optimum dosing of detergent and no overloading. The amount of detergent to be used can be entered in ml, ml/l and ml/kg.

PROFITRONIC M controls also feature on Miele tumble dryers, making them freely programmable, so the drying process can be ideally adapted to all manner of different fabrics. The precise residual moisture monitor ensures that laundry is never overdried.

Design

The 65 mm thick Miele shield styled front on the washer-extractors offers protection and stability and the chrome nickel steel used is resistant to chemicals. The front of the tumble dryers also have the sophisticated shield design to match the washer-extractors. The powder coated housing is highly scratch resistant. A stainless steel front option is available for tumble dryers.

The large door openings (washer-extractors 370 mm, tumble dryers 520 mm) with a generous 180 degree opening angle and elevated position are ergonomically ideal for easy loading and unloading.

The new Miele washer-extractors have won several design awards.

Miele – Adding value!



Miele can look back on decades of experience in developing washer-extractors and cleaning processes. The concepts and features of Miele's professional up-to-the-minute washer-extractors, tumble dryers and high throughput rotary ironers are based on this experience. The advantage to the customer is that every establishment can be given comprehensive advice and a thorough analysis of its operating and economic requirements. Even the installation of the machines is planned down to the smallest detail, including drawings where required. As for investment planning, Miele offers tailor-made finance and leasing models.

**Better
know-how**



Miele offers high tech that is made in Germany in compliance with DIN EN ISO 9001. Solid construction, high quality materials, sophisticated technology and excellence of finish with electronic components that are made in-house guarantee the legendary longevity of Miele machines. The reliability of all components and patented technologies are further examples of the optimising of Miele quality through technical innovation.

"Forever better" – has been Miele's philosophy for over one hundred years. Miele was awarded the "Best practice" award 2002 for innovation, reliability and quality of product by the Institute for Productivity and Quality (IPQ).

**Better
quality**



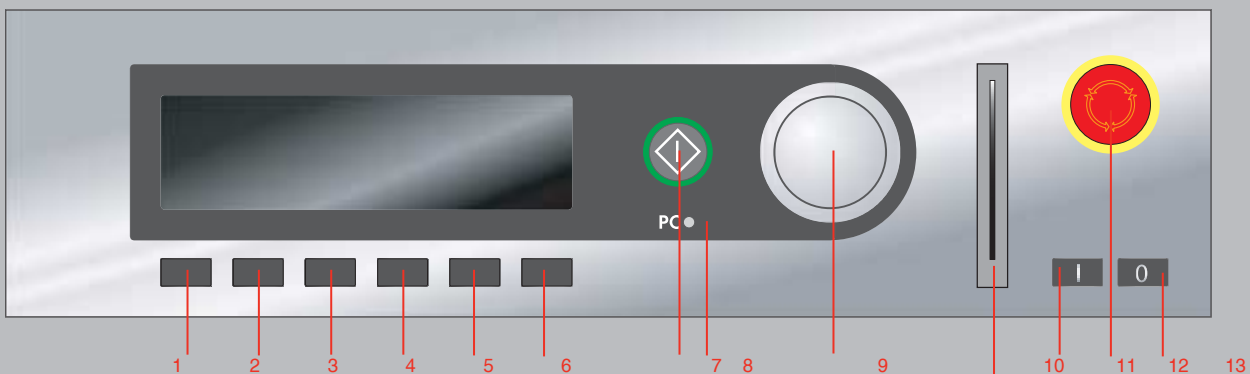
From start to finish, Miele is the professional partner for your laundry – perfect laundry care for satisfied customers. Easy access to Miele ensures prompt attention for all enquiries, while Miele's network of sales and service centres guarantees fast assistance when help is needed. Special maintenance and service contracts ensure down-time is minimised and provides extra peace of mind.

**Better
service**

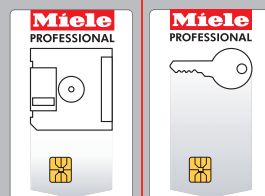
PROFITRONIC M

The PROFITRONIC M controls are an innovation from Miele's electronics factory. All washer-extractors and tumble dryers in the PW and PT range have the same controls and a unified control panel. The PROFITRONIC M controls with memory function are freely programmable and can be updated at any time. There are 199 programme slots available, of which sixteen on the washer-extractor and twelve on the tumble dryer contain standard programmes. To complement the standard programmes, Miele also offers ready-made programme packages, e.g. for curtains, feather or synthetic duvets and clothing. A chip card reader can be used to lock certain programmes that should not be made generally available. Programme modifications and storage can be carried out independently or with the help of Miele Service Department.

The user is guided by clear text and graphic symbols. Programmes are selected via a rotary dial. The machines can also be operated by chip card if preferred. An optical interface is available for programming via a PC. Various parameters can be pre-selected: start time, programme end time, temperature, spin speed and language (with a choice of eleven different languages). Highly developed sensor technology ensures optimum reliability. The load recognition system optimises the use of energy, water, cleaning agents and time. A temperature sensor ensures precise control of the washing and drying temperatures and a load imbalance sensor automatically adjusts the spin speed if necessary.



- 1 – 6 Programming buttons
- 7 Start
- 8 Optical interface for PC
- 9 Multi-function selector with turn and press mechanism
- 10 Chip card reader with chip card (optional extra on dryers)
- 11 On button
- 12 Emergency stop switch
- 13 Off button



Washer-extractors

The 10–20 kg capacity Innovation M machines fulfil every requirement when it comes to the economical processing of large amounts of laundry.



PW 6101 (illustrated)

- 10 kg capacity
- HONEYCOMB DRUM, 100 l volume
- 1200 rpm spin speed
- G-factor 475, residual moisture level 47%
- Freely programmable PROFITRONIC M controls

PW 6131

- 13 kg capacity
- HONEYCOMB DRUM, 130 l volume
- 1100 rpm spin speed
- G-factor 400, residual moisture level 47%
- Freely programmable PROFITRONIC M controls



PW 6161 (illustrated)

- 16 kg capacity
- HONEYCOMB DRUM, 160 l volume
- 1150 rpm spin speed
- G-factor 500, residual moisture level 47%
- Freely programmable PROFITRONIC M controls

PW 6201

- 20 kg capacity
- HONEYCOMB DRUM, 200 l volume
- 1100 rpm spin speed
- G-factor 460, residual moisture level 47%
- Freely programmable PROFITRONIC M controls

All versions

- Electric, gas or steam heated

For technical data see page 10

Tumble dryers



PT 7251 (illustrated)

- Vented dryer with air recycling drying system
- 10 kg capacity
- HONEYCOMB DRUM, 250 l volume

PT 7331

- Vented dryer with air recycling drying system
- 13 kg capacity
- HONEYCOMB DRUM, 325 l volume

PT 7401

- Vented dryer with air recycling drying system
- 16 kg capacity
- HONEYCOMB DRUM, 400 l volume



PT 7501 (illustrated)

- Vented dryer with air recycling drying system
- 20 kg capacity
- HONEYCOMB DRUM, 500 l volume

PT 7801

- Vented dryer with air recycling drying system
- 32–40 kg capacity
- HONEYCOMB DRUM, 800 l volume

All versions

- Freely programmable PROFITRONIC M controls
- PT 7251 and PT 7331 – Electric or gas heated
- PT 7401, PT 7501 and PT 7801 – Electric, gas or steam heated

For technical data see page 11

10, 13, 16 and 20 kg capacity washer-extractors

Model number	PW 6101	PW 6131	PW 6161	PW 6201
Capacity [kg]	10	13	16	20
HONEYCOMB DRUM volume [l]	100	130	160	200
Spin speed [max. rpm]	1200	1100	1150	1100
G-factor	475	400	500	460
Residual moisture [%]	47	47	47 ²	47 ²
Controls/programmes				
PROFITRONIC M, freely programmable	•	•	•	•
Plumbing				
Cold water, 1/2" with 3/4" threaded union	2x	2x	2x	2x
Hot water, 1/2" with 3/4" threaded union	1x	1x	1x	1x
Hard water, 1/2" with 3/4" threaded union	Optional	Optional	Optional	Optional
Dump valve	DN70	DN70	DN70	DN70
Electrical connection (electric heating)				
Three phase asynchronous motor with frequency converter	•	•	•	•
3N AC 380–415V 50–60Hz	•	•	•	•
Heater rating [kW]	9	15	15	18
Total connected load [kW]	11.0	17.0	17.0	21.0
Fuse rating [A]	3x16	3x25	3x25	3x35
Heating options				
Electric (EL), Gas (G), Steam ³ (HD, ND)	•	•	•	•
Detergent dispenser				
4 compartment dispenser in front of machine	•	•	•	•
Optional extras				
Dispenser for liquid agents	•	•	•	•
Serial interface RS 232	•	•	•	•
Dimensions, weight (electric heating)				
External dimensions H/W/D [mm]	1250/800/800	1250/800/910	1400/920/910	1400/920/1020
Weight [kg]	323	342	454	495
External finish				
Lid	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Front	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Sides	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Rear	Galvanized	Galvanized	Galvanized	Galvanized

¹ Powder coated, ² Calculated value, ³ Steam: HD = High pressure steam, ND = Low pressure steam

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