



DCC

Range



Gentle Tumble Mixing



Benefits of DC Blending

Our DC range of tumble blenders offers **low-shear** tumble blending of free-flowing material such as powders, agglomerates and crystalline particles.

W Hygiene and Cleaning

No crevices mean free-flowing goods discharge almost 100%. Very few product traps make cleaning easy and fast.

W Gentle Mixing

The low speed tumbling action is the ideal process for blending powders, granules and fragile materials. Also beneficial for heat-sensitive materials as minimal heat is generated during the blending process.

Benefits of DC Drying

Double Cone (DC) vacuum dryers are batch-drying systems that are gentle on products from both a thermal and physical point of view. They are widely used for drying solids such as pharmaceuticals, metals, catalysts, polymers and even some high-value food ingredients. DC dryers are closed environments. They are inherently safe for processing toxic products and are one of the most energy-efficient forms of indirect batch drying.

W Safety

Enclosed DC dryers simplify product, operator and plant environment protection. Suitable for drying volatile and potentially explosive materials under controlled conditions.

W Avoiding Oxidation

The DC vacuum dryer's airtight construction prevents chemical oxidation without expensive sealing. An inert gas purge system reduces product oxygen exposure.

Key Features

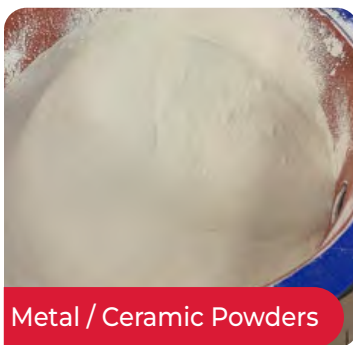
- W** Full **stainless steel** construction throughout
- W** Total discharge design with outlet valve at the tip of one cone
- W** Compact drive unit design with limited number of moving parts, which ensures low maintenance and running costs
- W** All models conform to the “**CE Mark**” European Directives and the “**UKCA**” marking requirements
- W** Robust support frames with space saving footprint for reducing factory space requirement



Popular Applications



Plastic Pellets



Metal / Ceramic Powders



Tea Blending



Food Powders



Carbon and Graphite



Medical Powders



Protein Powders



Copper Powders



Flooring Aggregate



Rice Pasteurisation



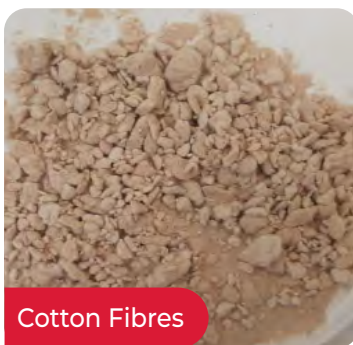
Herbs and Spices



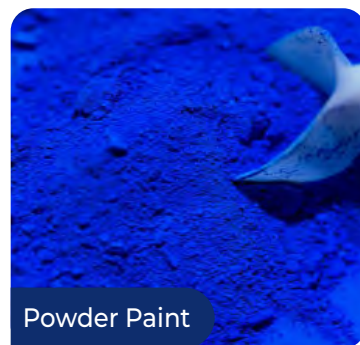
Culture Medium



Spent Catalyst Powders



Cotton Fibres



Powder Paint

Features / Specifications

Winkworth tailors each DC blender to your unique requirements. The accompanying choice chart, which applies to our entire DC series with working volumes ranging from 40 to 5000 litres, is a guide to help you develop the specification for your machine.

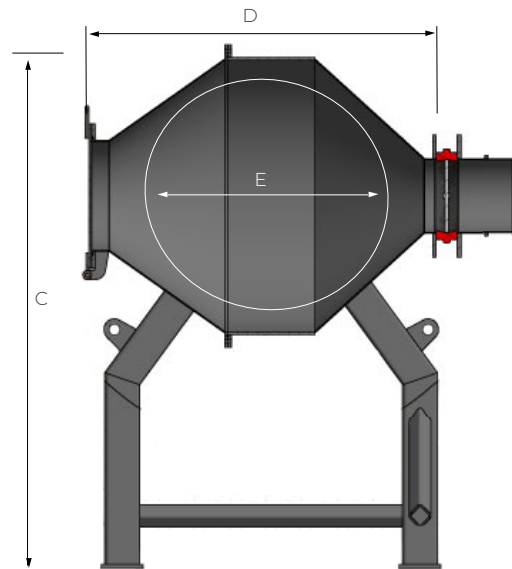
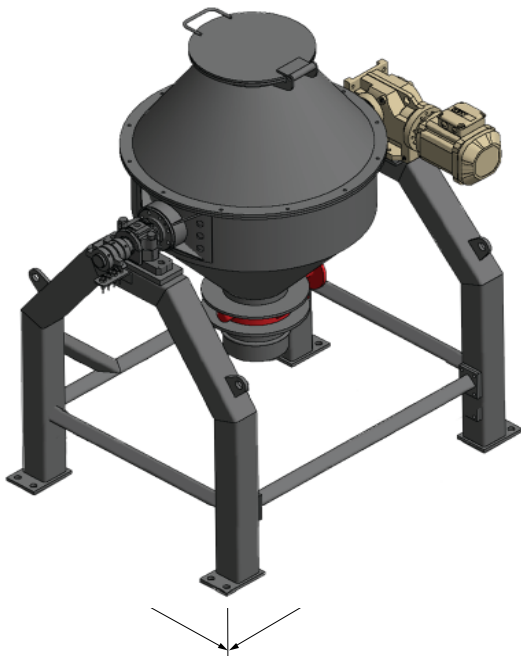
	Standard	Optional
Full stainless steel construction throughout	<input checked="" type="checkbox"/>	
Double-cone mixing chamber	<input checked="" type="checkbox"/>	
Sturdy frame for larger models	<input checked="" type="checkbox"/>	
304 grade stainless-steel support construction	<input checked="" type="checkbox"/>	
316 grade stainless-steel cone	<input checked="" type="checkbox"/>	
Hinged top manway	<input checked="" type="checkbox"/>	
Temperature-regulating jacket		<input type="checkbox"/>
Removable top cone (sizes below 85L)		<input type="checkbox"/>
Heavy duty models for dense powders		<input type="checkbox"/>
Docking system for loading and unloading		<input type="checkbox"/>
Variable-speed drives		<input type="checkbox"/>
ATEX certified models		<input type="checkbox"/>
Liquid addition		<input type="checkbox"/>
Guarding and isolation of machine during operation		<input type="checkbox"/>
Support structure		<input type="checkbox"/>
HMI control panel		<input type="checkbox"/>
Water/solvent recovery		<input type="checkbox"/>
Refiner (particle size reduction)		<input type="checkbox"/>
Coating or polishing of material contact surfaces		<input type="checkbox"/>
Pneumatic discharge & inlet valves		<input type="checkbox"/>
Controls and automation		<input type="checkbox"/>
Vacuum de-aerating systems		<input type="checkbox"/>
Dust-free loading systems		<input type="checkbox"/>
Internal baffle		<input type="checkbox"/>
Internal spray nozzles		<input type="checkbox"/>
Self-cleaning mixing chamber nozzles (CIP)		<input type="checkbox"/>

Standard Range

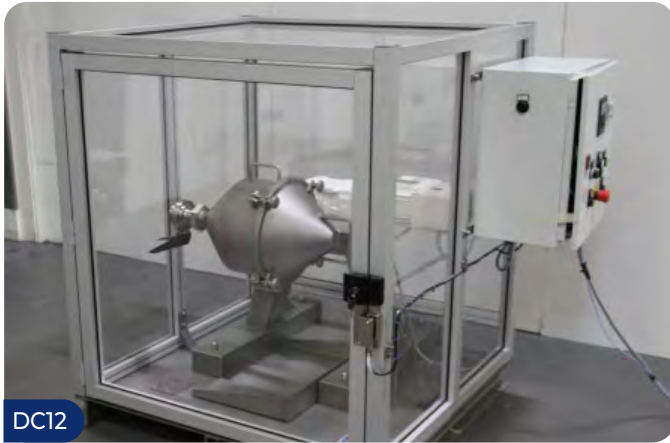
Model	Approx. Capacity (Litres)		Approx. Overall Dimensions (mm)			Approx. Cone Dimensions (mm)	
	Max. Working	Total	Length (A)	Width (B)	Height (C)	Length (D)	Diameter (E)
DC40	40	67	940	600	950	800	450
DC55	55	94	1200	850	1350	900	510
DC85	85	139	1290	820	1400	1000	610
DC140	140	229	1450	920	1570	1250	700
DC170	170	276	1500	970	1640	1370	750
DC250	250	420	1800	1450	1750	1440	840
DC360	360	596	1930	1470	1800	1700	1050
DC500	500	846	2100	1420	2160	1880	1180
DC600	600	1000	1960	1480	2290	1630	1260
DC850	850	1385	2300	1720	2410	2070	1350
DC1000	1000	1749	2740	1930	2620	2200	1500
DC1400	1400	2327	2920	2100	2850	2440	1670
DC2000	2000	3333	3700	1850	2930	2810	1830
DC3000	3000	4922	425	2650	3320	3220	2120
DC4000	4000	6600	4460	2800	3720	3620	2330
DC5000	5000	8960	4760	3000	3920	3820	2570

Larger Models - Available on Request

All data and dimensions are for guidance only, actual dimensions may vary



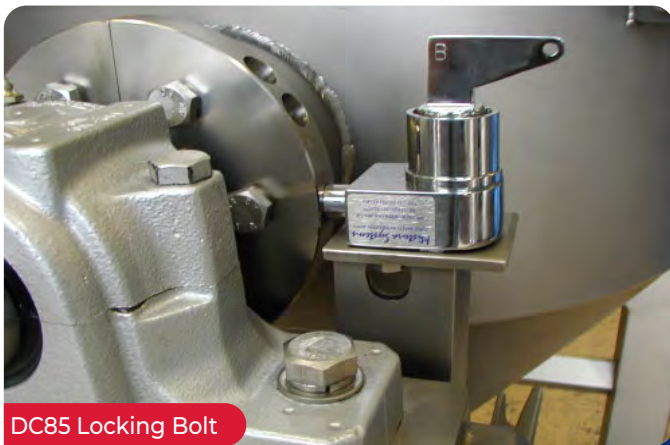
Gallery



DC12



Special DC50



DC85 Locking Bolt



DC170



DC250



DC360 Being Shipped



DC500 Clamp Mounted Butterfly Valve



DC850

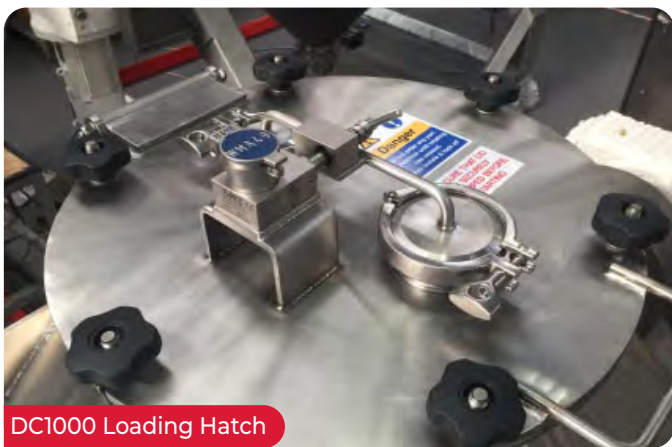
At Winkworth Machinery, we take pride in our commitment to creating exceptional, bespoke products tailored to your individual preferences. Every piece we craft is as unique as you are, and as such, we would like to make it clear that the images you see in this brochure are for representation purposes only.



DC500 and DC1000



DC1000 Installed On-Site



DC1000 Loading Hatch



Vacuum Loading DC1400



DC1400



DC2000



DC2000



DC3000

Mixing all ways



Services

W Design and Manufacture

W Delivery, Installation and Commissioning

W Mixing Test Centre and Mixer Hire

W Technical Support, Servicing and Repairs

Ready to turn your vision into reality? Contact us today to discuss your bespoke project.

Now available on  Whatsapp: +44 7955 280547

mixer.co.uk | info@mixer.co.uk | +44 (0)1256 305600

Winkworth Machinery Ltd

Mixer House | Stroudley Road | Basingstoke | RG24 8FW | UK