

Miele
PROFESSIONAL

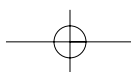
Setting new standards

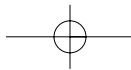
Profitronic M



Washing machines
Tumble dryers

INNOVATION **M**





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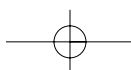
Miele is a byword for quality and this features foremost in the design philosophy of all Miele equipment. We know that reliability is a key requirement and Miele machines are manufactured to a high engineering standard to provide the durability that is essential for a trouble free working life in demanding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

To achieve and maintain this high standard Miele manufactures many of the component parts, including the electronic controls 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 is now introduced as part of that investment programme and sets a new benchmark for commercial laundry equipment. Designed for use by laundry professionals and with an emphasis on minimising life time 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 healthcare applications to meet HSG (95)18 and The Care Standard Act 2000, whatever the application Miele INNOVATION M will provide the solution.

Tunics courtesy of Bristol Uniforms



Typically Miele

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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

Washing and drying with the new generation of machines

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INNOVATION **M**



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 **HONEY-COMB 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.

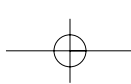
PROFITRONIC M controls also feature on Miele tumble dryers for the first time, making them freely programmable, so the drying process can be ideally adapted to all manner of different fabrics. The precise residual moisture monitor ensures that laundry is never overdried.

DESIGN

The 65 mm thick Miele shield styled front on the washer-extractors offers far more than protection and stability. 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.



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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.

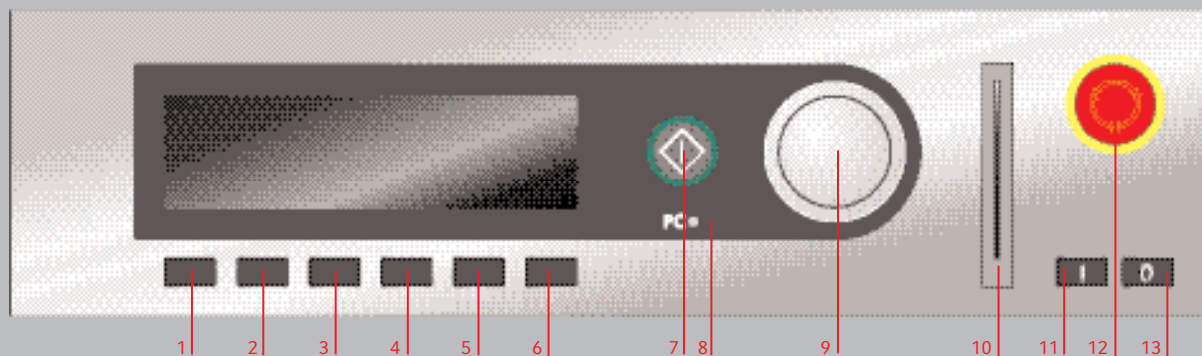
**Better
service**

PROFITRONIC M

The new PROFITRONIC M controls are an innovation from Miele's electronic factory. All washer-extractors and tumble dryers in the PW and PT range now have the same controls and a unified control panel. The new 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.

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- 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



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

Washer-extractors

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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

Tumble dryers

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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

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

All versions

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

The new tumble dryers

10, 13, 16 and 20 kg capacity

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Model number	PT 7251	PT 7331	PT 7401	PT 7501
Capacity [kg]	10	13	16	20
HONEYCOMB DRUM, volume [l]	250	325	400	500
Vented dryer with air recycling drying system	•	•	•	•
Controls/programmes				
PROFITRONIC M, freely programmable	•	•	•	•
Electrical connection (electric heating)				
3N AC 380–415V 50Hz	•	•	•	•
Heater rating [kW]	13.5	18	22.5	27
Total connected load [kW]	14.2	18.8	23.8	28.3
Fuse rating [A]	3x25	3x35	3x50	3x50
Heating options				
Electric (EL), Gas (G), Steam ³ (HD)	EL/G	EL/G	EL/G/HD	EL/G/HD
Exhaust ducting	DN150	DN150	DN150	DN150
Dimensions, weight (electric heating)				
External dimensions H/W/D [mm]	1400/900/836	1400/900/1019	1400/900/1148	1640/1200/1002
Weight [kg]	160	176	196	248
External finish				
Lid and front ²	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Sides	Octo blue ¹	Octo blue ¹	Octo blue ¹	Octo blue ¹
Rear	Galvanized	Galvanized	Galvanized	Galvanized

¹ Powder coated, ² Optional: stainless steel front, ³ Steam: HD = High pressure steam, ND = Low pressure steam

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INNOVATION 