

Laundry machines for
equestrian use



Efficient cleaning for horse blankets and accessories

WRAS
APPROVED
PRODUCT

Professional laundry care for equestrian centres: thanks to efficient wash programmes and short throughput times, your valuable and important textiles can be washed and ready for use again very quickly.

A professional laundry service

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Professional experience for professional users: Miele has been leading the field in developing laundry machines and cleaning processes for over a century. Innovative controls with specialist programme packages offer the solution both for every day requirements and for more unusual situations – safely, easily and economically. Miele's tried and tested programmes guarantee the ideal treatment for every different type of textile, from washing and finishing to the specialist areas of disinfection and proofing.

As well as versatile machine systems for in-house laundries, adaptable to every size of business, the product range includes practical accessories: dispensers for liquid detergents, plinths, water recycling modules and coin operation systems. All-round service from just one source.

Because Miele laundry machines guarantee professional textile care that is tailor-made to your needs, individual solutions can be offered wherever there is a specialist requirement, for example for the fast processing of horse blankets, halters and gaiters in equestrian establishments.

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

Miele guarantees the perfect solution!

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 necessary.

**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**



The Miele wash care system

Solutions for equestrian centres

Good hygiene is essential for the well-being of horses that live in equestrian establishments, and the correct cleaning of all textiles that come into contact with the animals is an important part of this. Not only does accumulated dirt reduce the effectiveness of blankets, sweat rugs, saddle covers etc, it can also lead to unpleasant fungal skin conditions. What's more, an immaculate horse blanket is a sign of a well-kept horse, which is particularly important in competitions where great emphasis is placed on visual appearance. Washing blankets in a simple domestic machine will not achieve the desired result; it is a specialist job that requires the right technology and wash programmes. An on-site laundry within the equestrian centre has many advantages. Laundry can be done in situ as part of the daily routine and equine odours will remain in the stable.

Miele offers washer-extractors with capacities of 7.5 to 32 kg with special wash programmes for horse blankets and accessories which are the perfect solution for equestrian establishments. The equestrian programmes include four special programmes for washing and proofing horse blankets: a 30°C and a 60°C degree programme, a delicates programme and a programme with a proofing phase included for optimum waterproofing. The machines can also handle halters, girths, bandages, saddlecloths and similar textile items which are not always accepted by commercial laundries. Loading and operating the machines is simplicity itself. Just load the items via the generous door opening, select a programme and start the machine. If items are to be washed which give off a very large amount of fluff, it is recommended that the machine should be fitted with a special drum which is designed to allow the suds to move freely around the heating element to prevent horse hairs and dirt from becoming trapped in the machine. An additional fluff filter system between the machine and the drainage connection protects the domestic water supply against blockages.

Laundry can be clean and ready for use again in less than an hour. With high spin speeds and correspondingly low residual moisture levels, subsequent drying times are much reduced. Twelve drying programmes are available to dry the equipment gently and thanks to the new air and temperature controls with integrated air recycling system, this is simple, economical and fast, not to mention environmentally friendly.

An entry level solution for equestrian centres would be the PW 6101 washer-extractor and PT 7251 tumble dryer which can process 1 winter blanket or 2 summer blankets or 7 saddle cloths per load. There is a range of practical accessories such as dispenser pumps, plinths and protective sleeves to cover buckles, as well as coin boxes for self service operation, a particularly economical option for stables.



Wash load capacity *						
	PW 6101	PW 6131	PW 6161	PW 6201	PW 6241	PW 6321
Saddle cloths	7	9	11	12	15	18
Summer blankets	2	2-3	2-3	3	3-4	4-5
Winter blankets	1	1-2	1-2	2	2-3	3

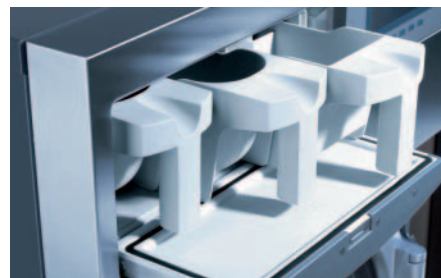
Drying load capacity *						
	PT 7251	PT 7331	PT 7401	PT 7501	T 6551	T 6751
Saddle cloths	7	9	11	12	15	18
Summer blankets	2	2-3	2-3	3	3-4	4-5
Winter blankets	1	1-2	1-2	2	2-3	3

* Depends on composition of fabric

The advantages of Miele commercial technology

Washing and drying with the new generation of machines

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PROFITRONIC M – WASHER-EXTRACTORS

INNOVATION M is the latest generation of machines to be launched by Miele Professional. Offering freely programmable **PROFITRONIC M** controls and an attractive shield design, they not only look good but are designed to perform thousands of problem-free programme cycles effortlessly.

The large diameter 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. Electrical installation is simple via an integrated connection box at the rear of the machine, with no need to remove the lid for access.

The washer-extractors are available with highly scratch resistant blue powder coated sides and stainless steel fronts. The dryers are available with highly scratch resistant blue powder coated sides and fronts with the option of fronts in stainless steel if preferred.

With high spin speeds and a g-factor of up to 500 coupled with a large, hydraulic controlled outlet valve, these machines offer fast draining times and optimum water extraction rates. The large drain valve diameter prevents it from becoming blocked by foreign objects, and because it is connected directly to the suds container, water and detergent are not lost.

To ensure optimum dosing of detergent, connections are provided for detergent dispensers at the rear of the machine (10 for liquid agents, 2 for viscous agents). The amount of detergent to be used can be programmed in ml, ml/l or ml/kg.

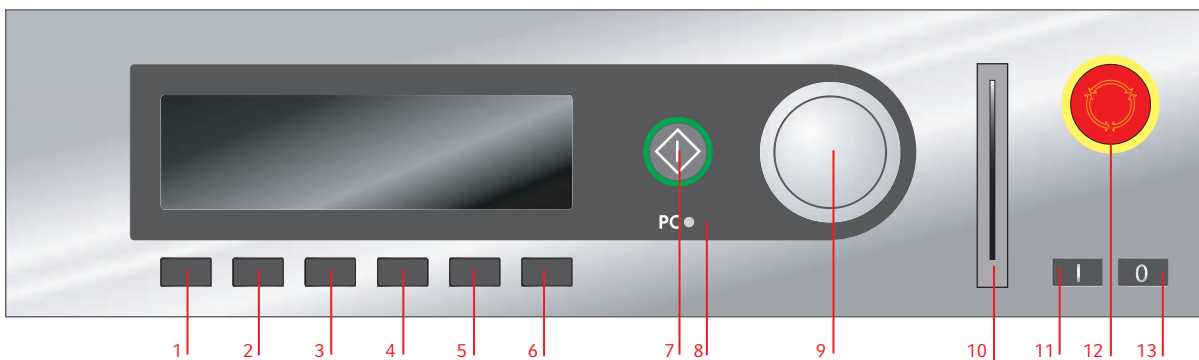
An automatic weighing system is also available as an optional extra to ensure the drum is never overloaded.

PROFITRONIC M – DRYERS

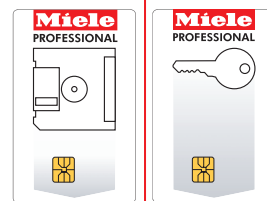
The patented Miele **HONEYCOMB DRUM** is used in the tumble dryers where it guarantees a high level of drum stability and optimum fabric care. The laundry floats on a gentle cushion of air as it dries, resulting in less creasing and better fabric care.

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. This way the drying process can be ideally adapted to all manner of different fabrics, and the precise residual moisture monitoring system ensures that the load is never overdried.

PROFITRONIC M



- 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 **PROFITRONIC M** controls are the latest 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. They 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, clothing and equestrian use. Programmes can be written or modifications can be carried out to existing programmes by the supervisor or with the help of the Miele Service Department. A chip card reader can be used to control access rights to programmes that should not be made generally available.

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.

In addition to Miele's state of the art PROFITRONIC M machines there are also a number of 1st generation PROFITRONIC washer-extractors and TROCTRONIC dryers available that are ideal for use in large and small equestrian establishments.

Washer-extractors Versatile combinations

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W 6071

- 7.5 kg capacity
- 73 l drum capacity
- 1200 rpm spin speed
- G-factor 450, residual moisture level 51%
- Freely programmable PROFITRONIC controls
- Electric heating



PW 6241 (illustrated)

- 24 kg capacity
- 240 l drum volume
- 1100 rpm spin speed
- G-factor 542, residual moisture level 46%
- Freely programmable PROFITRONIC controls
- Electric, gas or steam heating

PW 6321

- 32 kg capacity
- 320 l drum volume
- 1000 rpm spin speed
- G-factor 448, residual moisture level 53%
- Freely programmable PROFITRONIC controls
- Electric, gas or steam heating



T 6551 (illustrated with stainless steel front)

- Vented dryer with air recycling drying system
- 22 kg capacity
- Smooth walled drum, 550 l volume
- Programmable Troctronic controls
- 9 drying programmes
- 2 timed programmes
- Electric, gas or steam heating

T 6751

- Vented dryer with air recycling drying system
- 30 kg capacity
- Smooth walled drum, 750 l volume
- Programmable Troctronic controls
- 9 drying programmes
- 2 timed programmes
- Electric, gas or steam heating

The new 10–20 kg capacity INNOVATION M machines and the tried and tested 24 and 32 kg capacity high throughput solutions fulfil every requirement when it comes to the economical processing of large amounts of washing.

Washer-extractors The latest generation

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PW 6101 (illustrated)

- 10 kg capacity
- 100 l drum capacity
- 1200 rpm spin speed
- G-factor 475, residual moisture level 47%
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heated

PW 6131

- 13 kg capacity
- 130 l drum volume
- 1100 rpm spin speed
- G-factor 400, residual moisture level 47%
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heated

PW 6161 (illustrated)

- 16 kg capacity
- 160 l drum volume
- 1150 rpm spin speed
- G-factor 500, residual moisture level 47%
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heated

PW 6201

- 20 kg capacity
- 200 l drum volume
- 1100 rpm spin speed
- G-factor 460, residual moisture level 47%
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heated

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PRODUCT

Tumble dryers to complement washer-extractors of all sizes: highly economical thanks to short running times and gentle handling in the HONEYCOMB drum

Tumble dryers The perfect complement

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PT 7251 (illustrated)

- Vented dryer with air recycling drying system and baffle for vented drying
- 10 kg capacity
- HONEYCOMB drum, 250 l volume
- Freely programmable PROFITRONIC M controls
- Electric or gas heated

PT 7501

- Vented dryer with air recycling drying system and baffle for vented drying
- 20 kg capacity
- HONEYCOMB drum, 500 l volume
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heated

PT 7331

- Vented dryer with air recycling drying system and baffle for vented drying
- 13 kg capacity
- HONEYCOMB drum, 325 l volume
- Freely programmable PROFITRONIC M controls
- Electric or gas heated

PT 7401

- Vented dryer with air recycling drying system and baffle for vented drying
- 16 kg capacity
- HONEYCOMB drum, 400 l volume
- Freely programmable PROFITRONIC M controls
- Electric, gas or steam heated

For technical data see page 15

Profitronic

Washer-extractors

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Model number	W 6071	PW 6241	PW 6321
Capacity (kg)	7.5	24	32
Drum volume (l)	73	240	320
Micro-hole drum	•	•	•
Spin speed (max. rpm)	1200	1100	1000
G-factor	450	542	448
Residual moisture (%)	51	46	53
Controls/programmes			
PROFITRONIC, freely programmable	•	•	•
Plumbing			
Cold water, 1/2" with 3/4" threaded union	1 x	1 x	1 x
Hot water, 1/2" with 3/4" threaded union	1 x	1 x	1 x
Hard water, 1/2" with 3/4" threaded union	-	1 x	1 x
Drain pump (LP)	DN 22		
Dump valve (AV)	DN 50	DN 70	DN 70
Electrical connection			
Three phase asynchronous motor with frequency converter	•	•	•
3N AC 380–415 V 50 Hz	•		
3N AC 380–415 V 50–60 Hz		•	•
Heater rating (kW)	8	24	30
Total connected load (kW)	8.5	25	31
Fuse rating (A)	3 x 16	3 x 50	3 x 50
Heating options			
Electric (EL)	•	•	•
Gas (G)	-	•	•
Steam HD (High pressure) / ND (Low pressure)	-	•	•
Detergent dispenser			
4 compartment dispenser in lid of machine	•	-	-
5 compartment dispenser in front of machine	-	•	•
Optional extras			
Dispenser for liquid agents	•	•	•
Serial interface RS 232	•	•	•
Peak load cut-out	-	•	•
Dimensions, weight (electric heating)			
External dimensions H/W/D (mm)	1020/730/780	1640/1085/1265	1640/1085/1727
Weight (kg)	147	640	648
External finish			
Lid	Stainless steel	Octo blue ¹	Octo blue ¹
Front	Stainless steel	Stainless steel	Stainless steel
Sides	Octo blue ¹	Octo blue ¹	Octo blue ¹
Rear	Galvanized	Galvanized	Galvanized

¹ Powder coated

The new Profitronic M

Tumble dryers

Model number	PT 7251	PT 7331	PT 7401	PT 7501
Capacity (kg)	10	13	16	20
Drum volume (l)	250	325	400	500
Smooth walled drum	–	–	–	
Honeycomb drum	•	•	•	•
Vented dryer with air recycling system	•	•	•	•
Recirculation baffle for vented drying	•	•	•	•
Controls/programmes				
PROFITRONIC M, freely programmable	•	•	•	•
Electrical connection				
3N AC 380–415 V 50 Hz	•	•	•	•
Heater rating (kW)	13.5	18	22.5	27
Total connected load (kW)	14.2	18.8	23.8	28.3
Fuse rating (A)	3 x 25	3 x 35	3 x 50	3 x 50
Heating options				
Electric (EL), Gas (G), Steam ³ (HD, ND)	EL/G	EL/G	EL/G/HD	EL/G/HD
Exhaust ducting	DN 150	DN 150	DN 150	DN 150
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 **M**