

For the ultimate in flexibility and cleanliness

Container and trolley washers for hospitals and CSSD units



Quality from Miele Professional:

Never be satisfied with less!



The excellent reputation of Miele Professional in the field of medical technology is based on mature technology and innovative processes. Our container and trolley washers support this claim to excellence with short cycle times, low consumption and uncompromising Miele quality.

Quality

With its container and trolley washers from the PG 88 series, Miele Professional enables the thermal and chemo-thermal cleaning and disinfection of bulky loads such as containers, transport trolleys and hospital beds. Now, the additional PG 89 series can also be used as a back-up system for reprocessing surgical instruments to take the strain off large-chamber washer-disinfectors and boost capacity at times of peak demand.

Performance

Machines from Miele Professional excel in terms of their superior performance. A wide selection of accessories and innovative processes addressing everyday practical needs leads to perfect results and high throughput, even in highly specialised applications. Miele's special tank system enables the efficient use of water and process chemicals, thereby reducing operating costs.

Efficiency

Profit daily from excellent efficiency: Machines from Miele Professional are thorough and fast, affording top-rate protection to materials in the process. Thanks to their high quality, they also require little maintenance and are highly durable, safeguarding your investments in many respects. The sparing use of water and chemicals further contributes towards keeping operating costs in check.



Miele Professional is a decision in favour of top performance and quality. High-quality machines which rise to meet expectations each and every day are the key to the trust commercial users place in our company: 97% of all customers* claim they would buy from Miele Professional again next time round.

Dependability

As a company now run by its fourth-generation proprietors, Miele remains true to its responsibility to its products and processes, its employees and business partners and to natural resources.

- Product development consistently in tune with the goals of quality, durability and sustainability.
- Ground-breaking innovations 'Made in Germany'
- Award-winning ergonomics, functionality and product design
- Entire systems from a single supplier
- Lower operating costs over entire product life cycle (Total Cost of Ownership)
- Highly commended after-sales service offering blanket geographical coverage and a fast response

50
YEARS Medical Technology



* Survey conducted by independent 'Mercuri International' institute

System4Med from Miele Professional:

Single-source supplier

Planning:

From the initial concept to on-site installation, Miele Professional is always at your side with a mass of experience covering decades. Our planning team will draw up designs to meet varying site requirements and capacity needs.

Compact and fully furnished

Single-source supplier: Alongside systems for washing, disinfecting and sterilisation, Miele also provides further accessories for the reprocessing of sterile supplies in CSSD units (e.g. pre-cleaning systems, logistics and storage, sluices).

Service

Medical Product Engineers from Miele Professional are at hand to provide support with installation, validation, maintenance and repair. For safe reprocessing and maximum system uptime.

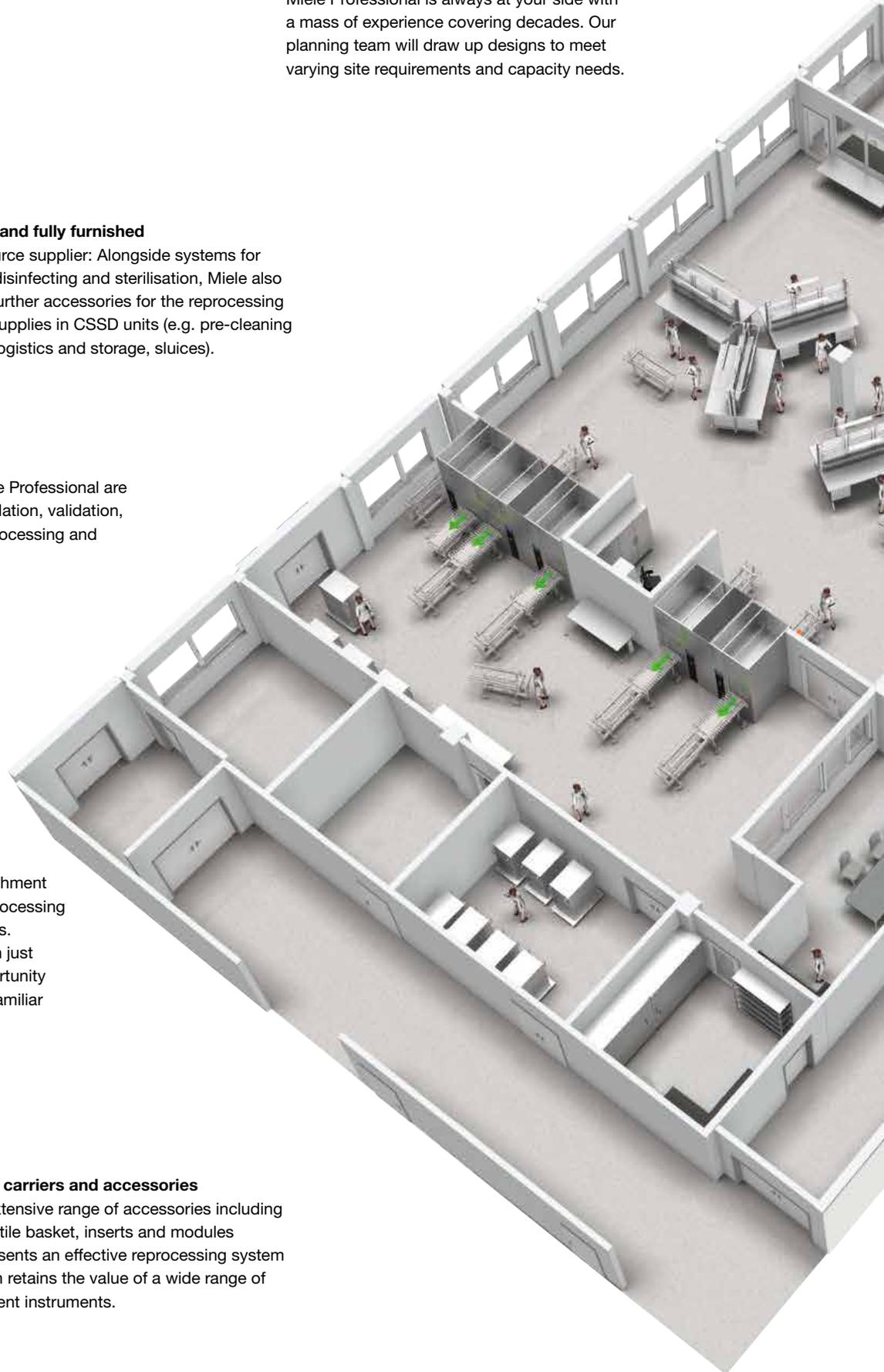
Mobile CSSD

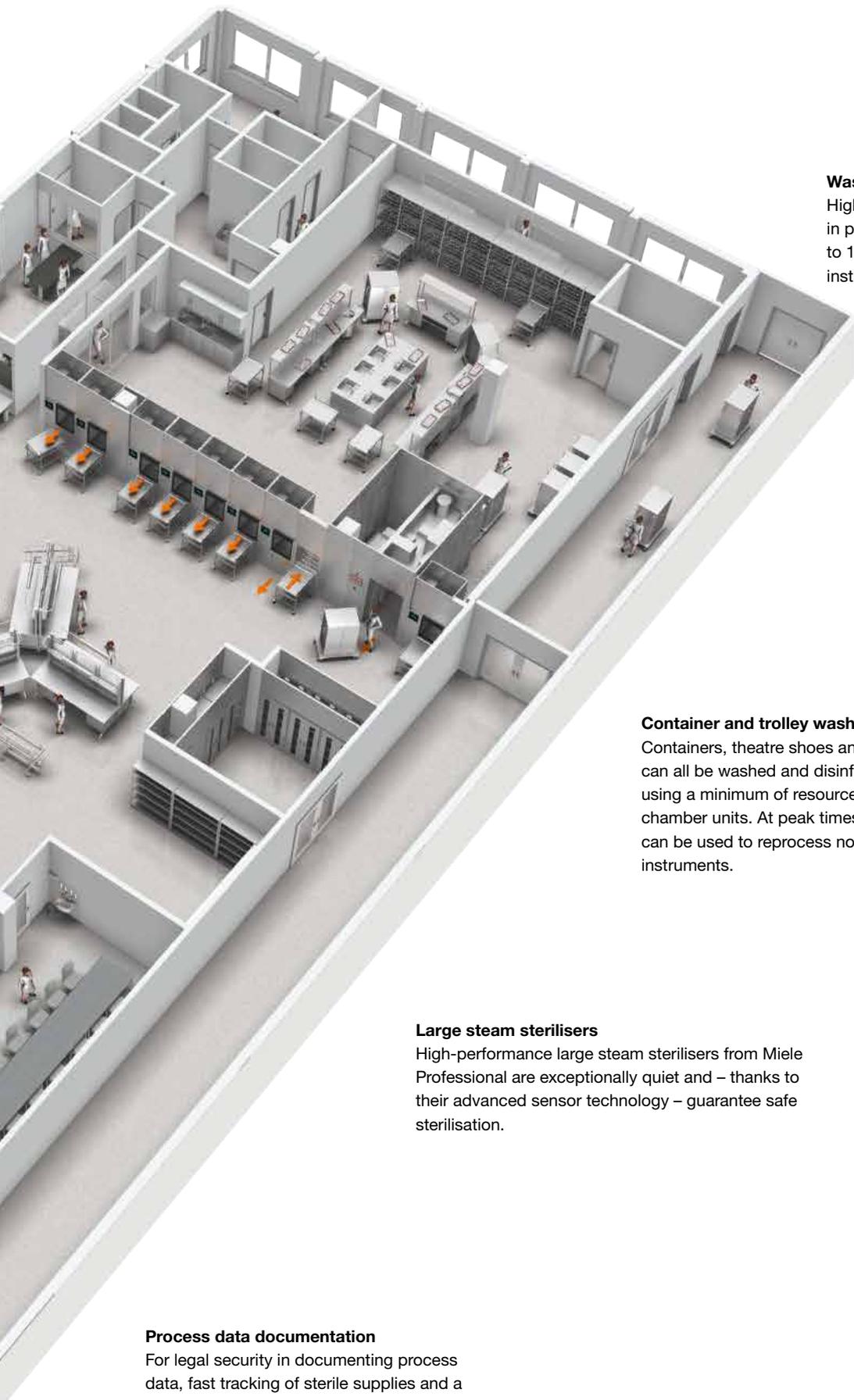
Even during construction and refurbishment work, Miele Professional's CSSD reprocessing solutions can still be available to users.

A mobile CSSD unit can be erected in just a matter of hours and offers the opportunity to reprocess instruments safely in a familiar 3-room environment.

Load carriers and accessories

An extensive range of accessories including versatile basket, inserts and modules represents an effective reprocessing system which retains the value of a wide range of different instruments.





Washer-disinfectors

High-performance washing and disinfection in proven Miele quality with a capacity of up to 18 DIN mesh trays per cycle for high-level instrument throughput.

Container and trolley washers

Containers, theatre shoes and transport trolleys can all be washed and disinfected safely, fast and using a minimum of resources in Miele's large-chamber units. At peak times, the same machines can be used to reprocess non-lumened surgical instruments.

Large steam sterilisers

High-performance large steam sterilisers from Miele Professional are exceptionally quiet and – thanks to their advanced sensor technology – guarantee safe sterilisation.

Process data documentation

For legal security in documenting process data, fast tracking of sterile supplies and a comprehensive approach to supply logistics, Miele will always offer a solution to match your needs. Safe and intuitive.

Miele
PROFESSIONAL





Container and trolley washers

PG 88, PG 89

The new container and trolley washers from Miele are flexible and configurable and hence adapt perfectly to individual user requirements. No matter what your needs are – excellent washing and drying performance, short cycle times or achieving good results combined with lowest consumption: Miele Professional is bound to have the right product.



Product highlight: Instrument reprocessing

Perfect complement for large-chamber washer-disinfectors



The tasks performed in a modern CSSD are far-ranging. The most important requirement which must be met is to ensure a steady supply of clean and hygienically reprocessed instruments to theatre whilst at the same time ensuring short instrument turnaround times. In order to better meet this challenge, standard (non-lumened) surgical instruments in mesh trays can now be washed and disinfected in Miele container and trolley washers from the PG 89 series.

Reprocessing instruments in these larger machines is ideal at times of peak demand and when other machines are being serviced – ensuring short cycle times and vital backup capacities.

- Excellent and legally compliant washing and disinfection of standard loads and non-lumened surgical instruments
- High-impact spray system combined with low consumption and short cycle times

It goes without saying that washing and disinfection subscribes to the requirements of the EN ISO 15883-2 standard and is validatable. New-series machines can naturally also continue to be used for the reprocessing of standard loads such as containers and transport trolleys.



Product highlight: Efficiency

Cost-efficiency and short cycles

Demands for safe processes which go easy on resources and short cycles were at the forefront of development work on the latest container and trolley washers from Miele Professional. The variable use of tanks and a unique economy feature in the pre-wash and interim rinse cycles are innovations which consistently meet these demands.



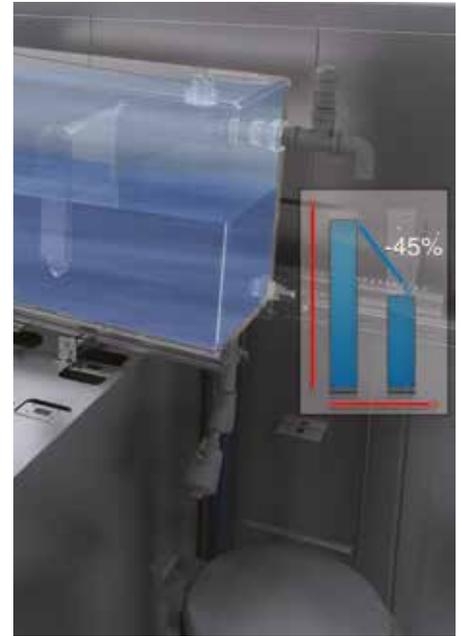
Short cycles – Pre-heated wash liquor

- Heated tanks (steam or electric heating) contribute towards short cycle times
- Reduced heat-up times
- Additional high-performance heat exchanger (steam or electric heating)



Easy on resources – flexible recycling

- Up to two tanks can be used for the recycling of wash liquor
- Flexible use of recycling tanks
- Saves water, energy and chemicals



Resource-saving – Economy function in pre-wash and interim rinses

- Reduced water consumption in pre-wash and interim rinses
- Cuts consumption by up to 45%
- Product innovations – patents pending



Product highlight: Flexibility

Machine configuration to suit individual needs

Container and trolley washers from Miele Professional adapt flexibly to individual needs. Choose between systems with 1, 2 or 3 tanks. If there is insufficient room at the place of use, installation can straddle two storeys.



Single-tank configuration

- 1 heated tank
- Pre-heating of wash liquor for short cycle times (e.g. final rinse)
- Fast water intake in one cycle phase
- Recycling of only one cycle phase possible



2-tank configuration

- 2 heated tanks
- Pre-heating of wash liquor for short cycle times (e.g. main wash and final rinse)
- Fast water intake in 2 cycle phases
- Recycling of water from up to 2 cycle phases



3-tank configuration

- 2 heated tanks and 1 unheated tank
- Pre-heating of wash liquor for short cycle times (e.g. main wash and final rinse)
- Fast water intake in 3 cycle phases
- Recycling of water from up to 2 cycle phases
- Energy and water saving during pre-wash and interim rinses

Overview of further product benefits

PG 88, PG 89 container and trolley washers



User-friendly, flexible software controls

- Programmable microprocessor controls offer flexible programme design
- Convenient 10.4" touch screen
- Intuitive user interface to operate and monitor machine
- Clear account of reprocessing status and machine parameters
- A0 value controls



Intensive wash

- Powerful circulation pump
- Oscillating spray jets for maximum removal of soil
- Stainless-steel nozzles



Fully welded stainless-steel chamber

- Stainless-steel chamber fully welded on all models
- Durable design
- Highest level of protection against leakages and best protection against wear and tear
- No build-up of debris in joints



Low-maintenance, safe doors

- Automatic, horizontal-action sliding doors
- All-glass doors
- Safety guard along leading edge of door
- Inflatable door gasket provides tight, reliable seal



Configurable chamber floor

- Track width of floor rails adjustable
- Rails hinged individually or as one element
- Simple cleaning
- Direct access to filter



Fast, residue-free drying

- Fast drying using latent heat of the load
- Drain-off accelerated by tilting trolleys
- Hot-air drying (optional on PG 8825)

Model overview

PG 88, PG 89 container and trolley washers



Container and trolley washers	PG 8822	PG 8825	PG 8830
Area of use	CSSD: Instrument containers Theatre shoes Bowls Kidney dishes Transport containers Transport trolleys	Bedding centres: Hospital beds Bedside tables Bulky goods	CSSD: Instrument containers Theatre shoes Bowls Kidney dishes Transport containers Transport trolleys
Model type	2-door	2-door	2-door
Reprocessing	Chemo-thermal or thermal	Chemo-thermal or thermal	Chemo-thermal or thermal
Cycles/h	2-3	2-8	2-3
Useable length [mm]	2900	2320	2140
Useable width [mm]	1000	1200	1000
Vertical door clearance [mm]	1700 or 2000	1700 or 2000	1700 or 2000
Capacity (examples)	1 trolley (9 STUs) 2 trolleys (6 STUs) 16 sterile supply containers 168 theatre shoes	1 bed frame	2 trolleys (6 STUs) 32 sterile supply containers 224 theatre shoes

STU = Sterile supply unit

Container and trolley washers	PG 8922	PG 8930
Area of use	CSSD: Instrument containers Theatre shoes Bowls Kidney dishes Transport containers Transport trolleys Standard (non-lumened) surgical instruments in mesh trays	CSSD: Instrument containers Theatre shoes Bowls Kidney dishes Transport containers Transport trolleys Standard (non-lumened) surgical instruments in mesh trays
Model type	2-door	2-door
Reprocessing	Chemo-thermal or thermal	Chemo-thermal or thermal
Cycles/h	2-3	2-3
Useable length [mm]	2140	2940
Useable width [mm]	1000	1000
Vertical door clearance [mm]	1700 or 2000	1700 or 2000
Capacity (examples)	1 trolley (9 STUs) 2 trolleys (6 STUs) 16 sterile supply containers 168 theatre shoes 20 mesh trays for surgical instruments	2 trolleys (6 STUs) 32 sterile supply containers 224 theatre shoes 40 mesh trays for surgical instruments

STU = Sterile supply unit



Accessories

Trolleys



Trolleys for sterile supply containers

- Trolley with 4 swivel wheels; 2 lockable.
- Rubberised wheels, non-marking
- Various sizes available to suit chamber size
- Capacity 6–16 containers/trolley
- Optimised positioning of containers and lids for thorough cleaning and drying
- Trolley frame material: 1.4301-grade stainless steel

Trolley for instrument trays (not illustrated)

- Trolley with 4 swivel wheels; 2 lockable.
- Rubberised wheels, non-marking
- Capacity 20 mesh trays/trolley
- Trolley frame material: 1.4301-grade stainless steel



Trolley for theatre shoes

- Trolley with 4 swivel wheels; 2 lockable.
- Rubberised wheels, non-marking
- Various sizes available to suit chamber size
- Capacity 84 or 112 shoes/trolley
- Optimised positioning for thorough cleaning and drying of inner and outer shoe surfaces
- Trolley frame material: 1.4301-grade stainless steel

Trolley for bowls (not illustrated)

- Trolley with 4 swivel wheels; 2 lockable.
- Rubberised wheels, non-marking
- Various sizes available to suit chamber size
- Capacity 16, 20 or 30 bowls/trolley
- Trolley frame material: 1.4301-grade stainless steel

Miele & Cie. KG, Gütersloh
www.miele-professional.com

Forever Better

Since 1899, Miele – a family-run company – has subscribed to a clear corporate philosophy condensed into the two words 'Forever better'. This overarching claim is the foundation of Miele's proverbial quality and sustainability and the power of innovation of a brand 'Made in Germany'. A brand promise which gives commercial users the certainty of having chosen the right product.

Award-winning

Uncompromising product reliability and service dependability is the reason why customers have repeatedly voted Miele the best and most trustworthy brand. Coveted awards such as the MX Award, the iF and reddot Design Awards and the German Sustainability Prize confirm the distinguished position Miele enjoys with respect to design, quality management and the sparing use of resources.

Proficient

Miele Professional has been developing and manufacturing a broad range of high-quality laundry machines, dishwashers, washer-disinfectors and sterilisers for decades. Carefully selected accessories, comprehensive advisory services and a Miele factory service operation which guarantees a fast response and ensures that machines perform to perfection and offer the ultimate in performance and efficiency.