A holistic approach to instrument reprocessing in dental surgeries
Quality from Miele Professional –

Never be satisfied with less!

In developing reprocessing solutions for dental practices, Miele Professional has attached great significance over the past 50 years to working closely with dentists and instrument manufacturers. A cooperation based on trust and spawning innovations which prove their value in workaday life.

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Quality
Your patients rely on your professional skills, so why not in turn place your trust in Miele’s proverbial quality! The combination of choice materials, perfect workmanship and mature and sophisticated technology has earned Miele its exceptional reputation in the field of medical technology. And Miele’s after-sales service is renowned for its award-winning excellence.

Performance
Machines from Miele Professional excel in terms of their superior performance. A wide selection of accessories and processes reflecting everyday, practical needs leads to perfect results and high throughput, even in highly specialised applications. This ensures that expensive instruments are ready for use again in next to no time.

Efficiency
Profit on a daily basis from the unique economic proposition machines from Miele Professional represent: They are thorough and fast and are also gentle on materials. Thanks to their high quality, they are also low-maintenance and durable, adding to the value of your investments. The sparing use of water and chemicals further contributes towards keeping operating costs in check.
Developed for daily use: System4Dent, a new approach to professional instrument reprocessing, meets the highest of demands by addressing all aspects of the instrument reprocessing cycle. This systematic approach ensures perfect results whilst reducing the strain on materials and ensuring economic reprocessing in modern-day surgeries.

- **Washing and disinfection**
  Innovative thermal disinfectors with matching process chemicals and customisable features
- **Documentation**
  Intelligent documentation software for reproducible and uninterrupted process monitoring
- **Guarantees:**
  Miele guarantees the highest of standards in providing advice, financing, after-sales service and validation of the highest Miele quality.
G 7881 thermal disinfector
Miele thermal disinfectors enable the safe and reproducible cleaning and disinfection of dental instruments. This approach is particularly gentle on materials and is recommended by leading manufacturers such as KaVo and W&H for the reprocessing of transmission instruments.

**Top-class efficiency**
Miele thermal disinfectors offer excellent efficiency.
- Low-maintenance and highly durable thanks to excellent materials and workmanship.
- Low costs per cycle thanks to low water and chemical consumption.
- Secure margins of cleaning combined with short cycles.
- Optimum care of instruments

**High capacity:**
Miele thermal disinfectors excel in terms of load capacity and throughput.
- The cabinets on all models are able to accommodate load items on two levels.
- Powerful circulation and spray technology and intelligent controls ensure short programme cycles.
- Unparallelled range of baskets and inserts guarantees the efficient cleaning of all instruments.
- A variety of models for surgeries of all sizes.

**Drying Plus**
- The integrated hot-air drying on the G 7891 disinfector further curtails cycle times.
- Even instruments with complex forms are dried fast and reliably using filtered hot air.
- No further post-treatment needed before sterilisation.
- Safe removal of residual moisture prevents corrosion and deposits.
Miele thermal disinfectors –
Scalable levels of performance

<table>
<thead>
<tr>
<th>Thermal disinfector</th>
<th>G 7881</th>
<th>G 7891</th>
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<tbody>
<tr>
<td>Width [mm]</td>
<td>600</td>
<td>600</td>
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<tr>
<td>Height, Depth [mm]</td>
<td>H 850 (820°), D 600</td>
<td>H 850 (820°), D 600</td>
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<tr>
<td>Duration / VarioTD** [mins.]</td>
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** Load capacity

<table>
<thead>
<tr>
<th></th>
<th>Lumened instruments</th>
<th>Transmission instruments</th>
<th>Saliva extractors</th>
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<tbody>
<tr>
<td></td>
<td>26</td>
<td>11</td>
<td>15</td>
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** Integrated drying

<table>
<thead>
<tr>
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<th>Electrical connection</th>
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<td>3-phase</td>
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* Undercounter units
** Cleaning and disinfection
Sample configurations with baskets and inserts

**Washing/Disinfection**

**G 7881 thermal disinfector**
All-rounder with large cabinet and short programme cycles for surgeries with several treatment rooms

Sample load arrangement:
- O 177/1 injector upper basket with 26 injector nozzles for saliva extractors and up to 11 transmission instruments
- E 522/1 insert for 9 impression plates
- E 521/2 insert for 7 extraction or orthodontic forceps
- E 197 mesh tray for instruments
- E 337/1 insert for instruments in upright position
- U 874/1 lower basket
- E 339/1 insert for 16 trays
- E 379 mesh tray for instruments

**G 7891 thermal disinfector**
Top-class machine with spacious cabinet, short programme cycles and integrated hot-air drying: for dentists performing surgery.

Sample load arrangement:
- O 177/1 injector upper basket with 26 injector nozzles for saliva extractors and up to 11 transmission instruments
- E 522/1 insert for 9 impression plates
- E 521/2 insert for 7 extraction or orthodontic forceps
- E 147 insert for 10 - 12 mouth rinse beakers
- U 874/1 lower basket
- E 523 insert for 6 mesh trays
- E 198 insert for 6 x E 197 mesh trays
Gentle reprocessing of turbines, hand-pieces and contra-angles

Washing and disinfection preserves values
Miele Professional has come up with a whole host of practical solutions to the demanding task of reprocessing turbines, hand-pieces and contra-angles. Individual injector nozzles in the O 177/1 and O 801/2 upper baskets can be replaced with special adjustable adapters with integrated filter inserts. This facilitates the thorough cleaning and disinfection of the inner surfaces of transmission instruments. The gentlest treatment of materials is guaranteed by the Vario TD programme which maintains temperatures with a high degree of precision and by process chemicals specially formulated for instrument reprocessing.

- Special-purpose adapters ensure the thorough irrigation of lumens and internal surfaces on turbines, hand-pieces and contra-angles.
- Vario TD reprocessing cycle with low temperature fluctuation to protect materials (93°C, 5 mins.).
- Mildly alkaline or non-mineral process chemicals for gentle reprocessing according to manufacturers’ instructions.
- Optional dispenser module for the precise delivery of non-aggressive liquid detergent.
Soft water, perfectly matching chemicals –
Perfect results

Integrated water softening for plug-and-play experience
Minerals in tap water can interfere with the cleaning process and cause deposits to form on instruments. Miele thermal disinfectors are fitted ex works with a Profi Monobloc water softener which removes the bulk of ions which cause water hardness from tap water. In the case of extremely hard water and in surgeries using large amounts of instruments, additional complete demineralisation may make sound economic sense.

• Optimum chemical action for excellent washing and disinfection
• Preserves the value and functionality of both instruments and machine
• Full demineralisation modules are optionally available

Specially formulated process chemicals
Process chemicals form the basis for the thorough and gentle treatment of expensive instruments. According to recommendations issued by instrument manufacturers, Miele Professional offers specially formulated products for the reprocessing of standard and transmission instruments. Each product is carefully geared to the various phases of the washing and disinfection cycle in Miele thermal disinfectors.

• Effective cleaning and disinfection of standard and transmission instruments
• Extremely gentle on materials and suitable for routine use according to manufacturers’ instructions
• Prevents discolouration and reduces the risk of stains
• Improved drying and prevention of scaling
• Precise dispensing with standard and optional dispenser pumps
• Colour coding and indicator system prevents mix-ups
Gap-free documentation –
A systematic approach to safety

The reproducible documentation of reprocessing not only gives dentists the peace of mind of knowing that they are on the right side of the law. It also facilitates the protocolling of individual process stages for detailed analysis later and therefore lends itself to particularly effective quality management – a real benefit for patients and the surgery team alike.

Segosoft®
Miele Edition

Customised documentation options
System4Dent offers various documentation solutions, catering for the individual needs of surgeries and technical standards on site. The heart and soul of the documentation system is Segosoft Miele Edition software. Meticulously crafted to take on board everyday needs, this software guarantees the reproducible, manipulation-proof and legally valid documentation of instrument reprocessing.

Electronic documentation: Direct connection between PC and machine.
Miele thermal disinfectors and small steam sterilisers are connected direct by cable (max. length 13 m) to a computer (netbook, laptop or PC) on which documentation software is installed. This can be a separate computer in the hygiene room or a computer installed in a neighbouring room.

Electronic documentation: Network connection
Thermal disinfectors and small steam sterilisers are connected to a surgery network computer hosting documentation software, e.g. to the central computer at the reception desk. After transmission, protocollled data can be archived for future reference.

Electronic documentation using USB stick
Process data from a thermal disinfector or small steam sterilisers can be saved to a USB stick for subsequent transfer to a computer where the appropriate documentation software is installed.

Process documentation via printer
Process data is printed using a receipt printer in the hygiene room. Long-term archiving is performed by filing the printouts.
Service excellence –
Functional safety and preservation of values

System4Dent is nicely rounded off by a broad range of advisory services and strong on-site after-sales service. Here, too, Miele sets the highest of standards. It is not without reason that Miele's after-sales service operation has been acclaimed for many years in succession for its service excellence.

Comprehensive service from the very start
Even before a machine is installed, Miele’s sales force is available to provide dentists with in-depth advice. Experienced experts assist in selecting the most suitable machines and configurations to suit individual needs. On request, feasibility calculations can be provided, along with tailored financing packages.

Miele also offers a series of process checks performed by highly qualified Miele medical product engineers in accordance with the relevant legislation and standards as well as national guidelines and good-practice recommendations:

Miele maintenance contract
Some of the benefits offered:
• Fixed price maintenance costs
• Thorough maintenance
• Detailed job report
• Pre-scheduled visits

Inclusions:
• PM checklist & visit reporting
• Electrical safety testing
• Call-out charges
• Labour costs

Machine qualification
Initial validation
• Installation qualification
• Operation qualification
Revalidation
• Renewed operation qualification
Performance inspections
• As part of commissioning

Service to meet professional expectations
Highly qualified medical device engineers support customers with the installation and commissioning of their machines and perform routine tests during use. This pre-emptively avoids downtimes and helps optimise operating parameters. And, not least, regular checks and maintenance preserves the value of machines.

• Quality service through blanket network of medical device engineers
• Short response times and on-site servicing
• 90% of service calls result in first-time fixes
• Reliable spares service, key functional parts available for 15 years after series production ceases

Customised service contracts and inspections
Miele Professional offers a series of tailored service contracts to suit individual needs. During the term of the contract, machines are regularly inspected by Miele’s own specialised service technicians. Depending on the type of contract, this includes a functional and safety analysis covering all key components and the replacement of parts. Scheduled inspections and maintenance appointments prevent breakdowns, extend the working life of machines and contribute towards safeguarding investments.
'My patients rely on my professionalism and skill every day. It’s good to know that I can depend on Miele Professional – both as a dentist and as a businessman.'

Dr. med. dent. Jan Kersken
Miele Professional – Quality and service for professionals

Decades of experience, an unerring pursuit of quality and the power of innovation means that Miele sets the benchmark. High-performance thermal disinfectors from Miele Professional are already recommended by several leading manufacturers for the reprocessing of their instruments. Now, Miele’s small steam steriliser and System4Dent further enhance Miele’s holistic system to ensure high-level and standardised results throughout the entire instrument reprocessing cycle.

Performance
• Thorough yet gentle reprocessing with dependable results
• Processes engineered to reflect the needs of both machines and instruments
• All-in system from one single supplier consisting of perfectly matching components (machines, chemicals, software, service)

Quality and economic operation
• Highest-quality materials and workmanship
• Superior product longevity and reduced need for maintenance
• Short cycle times and sparing use of resources

Safety and convenience
• Ergonomic controls for stress-free everyday use
• Convenient navigation avoids mistakes on the part of the user
• Large, easily surveyed display using plain text
• Fully automatic protocolling and documentation of reprocessing

Service
• Excellent Miele in-house service operation offering blanket coverage.
• Comprehensive advisory services covering planning, requirement assessment and financing.
• Customised service contracts guaranteeing functional safety and preserving values.
Forever Better
Miele has remained true to its corporate philosophy since 1899. 'Immer besser', two words which represent the bedrock of Miele’s high quality standards, providing clients with the security of knowing that they have chosen the right product.