TECNO-GAZ
industries

FAST

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THE KEYWORD
TO SAVE TIME WHILE ENSURING
MAXIMUM SAFETY

COMPLETELY AUTOMATIC CYCLE FOR PACKAGING PREPARATION

[25]

IN ONLY 25 MINUTES

MultiSteril *Fast*

Integrated system for fast preparation
for dental and medical instrument sterilisation

Today, technology allows us to work on two crucial factors concerning profitability and professionalism in the medical and dental fields.

How many instruments can you prepare for sterilisation in [25] minutes?

Safety and time saving. Discover how innovation makes it possible to perform a better preparation for sterilisation, while reducing time and costs.

MultiSteril Fast system

TECNO-GAZ industries

[Inventors of a new system]

Several years ago, we revolutionised the sterilisation process by developing the **MultiSteril multifunction system**. With *MultiSteril*, Tecno-Gaz has proven its ability to know and interpret a sector in which it has been a leader for many years. Today, we are pleased to present **MultiSteril Fast,** the evolution of a *system* which has revolutionised and simplified a protocol, which we have transformed from a manual to a completely automatic operation.

MultiSteril Fast has been evolved, thanks to the application of new technologies ensuring a 50% reduction in treatment times *(static disinfection, thermal disinfection, ultrasonic cleansing, rinsing, drying)* to only *25 minutes.* **A revolutionary device which your surgery can't do without.**

1998
Integrated cycle

2010
MultiSteril

2018
MultiSteril Fast +
Multisteril CD

Manual preparation for sterilisation...

Time, costs, risks and space required.
Why is the manual process less efficient, and to what extent?

Costs

Material usage × €€€

Operator	PPEs undergoing *fast deterioration* due to their intensive use
Disinfection step	use of a *specific liquid disinfectant*
Cleansing step	use of a specific liquid cleanser for *ultrasonic basin*
Drying step	paper towels

Risks

×

Risks for the operator

Contamination, cuts and punctures.

Space

× 200cm

Space required

At least 2-metre long worktop *(space for accommodating the disinfection basin, the ultrasonic basin, the drying system, the paper towels, presence of a sink for the rinsing step).*

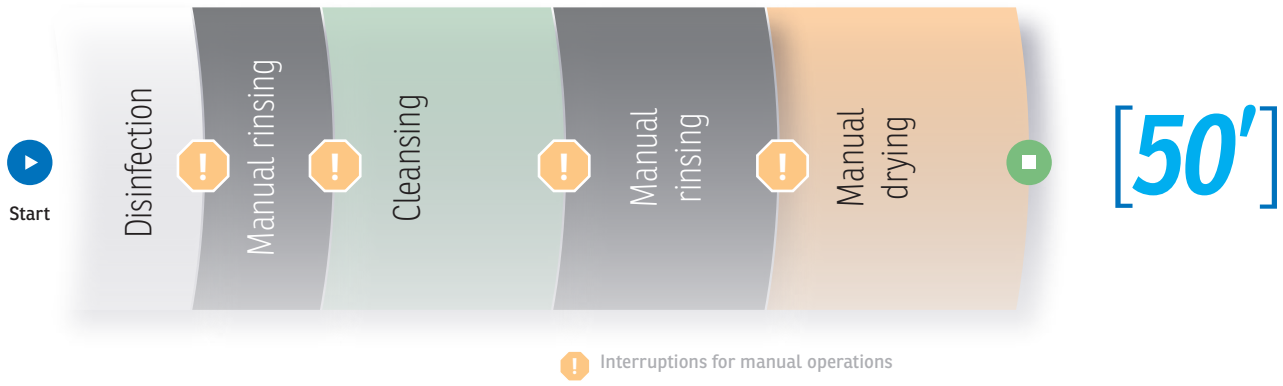
Time

×~50'

Completely manual, uncontrolled operation

Time

Time required for treating 4 kg of instruments: about 50 minutes, in the active presence of an operator.



Fast preparation for sterilisation?

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The process of preparation for sterilisation. With the new *MultiSteril Fast*, all the operations are completed in only 25 min.

Material usage

✓ €€€

Operator	PPEs undergoing slow deterioration due to their limited use
Disinfection step	automatic cycle with the use of a tested disinfectant/cleansing liquid
Cleansing step	
Drying step	by air

Costs

✓

Risks for the operator

No active instrument handling, minimum/no risks.

Risks

✓ only 50 cm

Space required

50 linear centimetres and no sink required.

Space

✓ 25'*

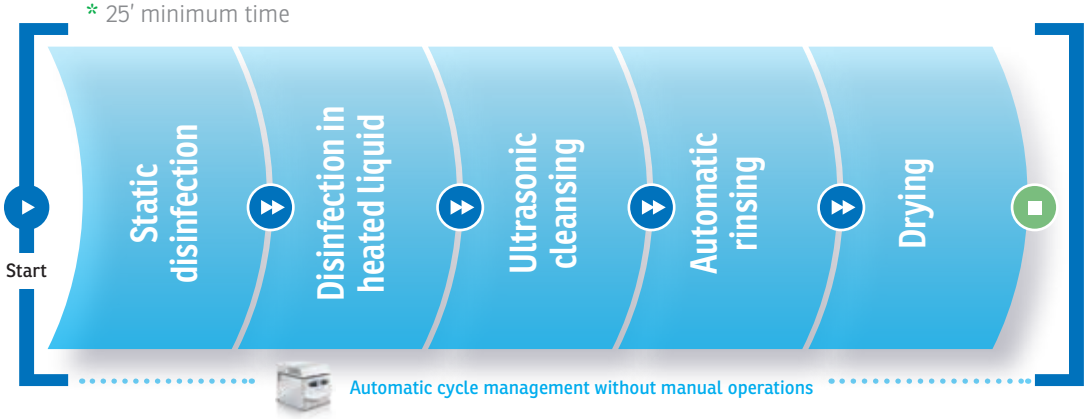
Completely automatic, controlled operation

* 25' minimum time

Time

Time required for treating 4 kg of instruments: about 25 minutes, without the presence of an operator.

Time



[25']

MultiSteril Fast and the operator

Extraordinary speed

MultiSteril Fast revolutionises the role of the operator who takes care of the sterilisation cycle, whose only task is to introduce the instruments in the basin and remove them at the end of the cycle. There are no operative responsibilities and *no risks*; the process is automatic and controlled. The operator is not directly involved and, therefore, *can have much more time* to spend in other more profitable tasks for the surgery.

Obvious advantages

Complete cycle in only 25 minutes.
Nothing is as fast as MultiSteril Fast.

Improved instrument rotation and availability and greater working flexibility

No need to buy new instruments in order to make up for instrument unavailability due to long treatment times (*as with all the other devices*).

No human intervention

All the disinfection, cleansing, rinsing and drying steps are performed automatically, without human intervention; this permits to *follow* the *protocols correctly* and to avoid negligence or operative mistakes.

No contamination risks

Since neither handing, nor transfer of infected instruments and materials are involved, there are *no risks of accidents at work*, because all the procedures are automatically managed by MultiSteril Fast according to preset sequences which do not involve the operator in any way.

Time saving

Today, all the steps of the sterilisation cycle are carried out manually by the operator, who spends a great deal of time in performing all the protocols. MultiSteril Fast does not require operator intervention; *every step is automatic* and cycle times are *halved*.

Great cost saving

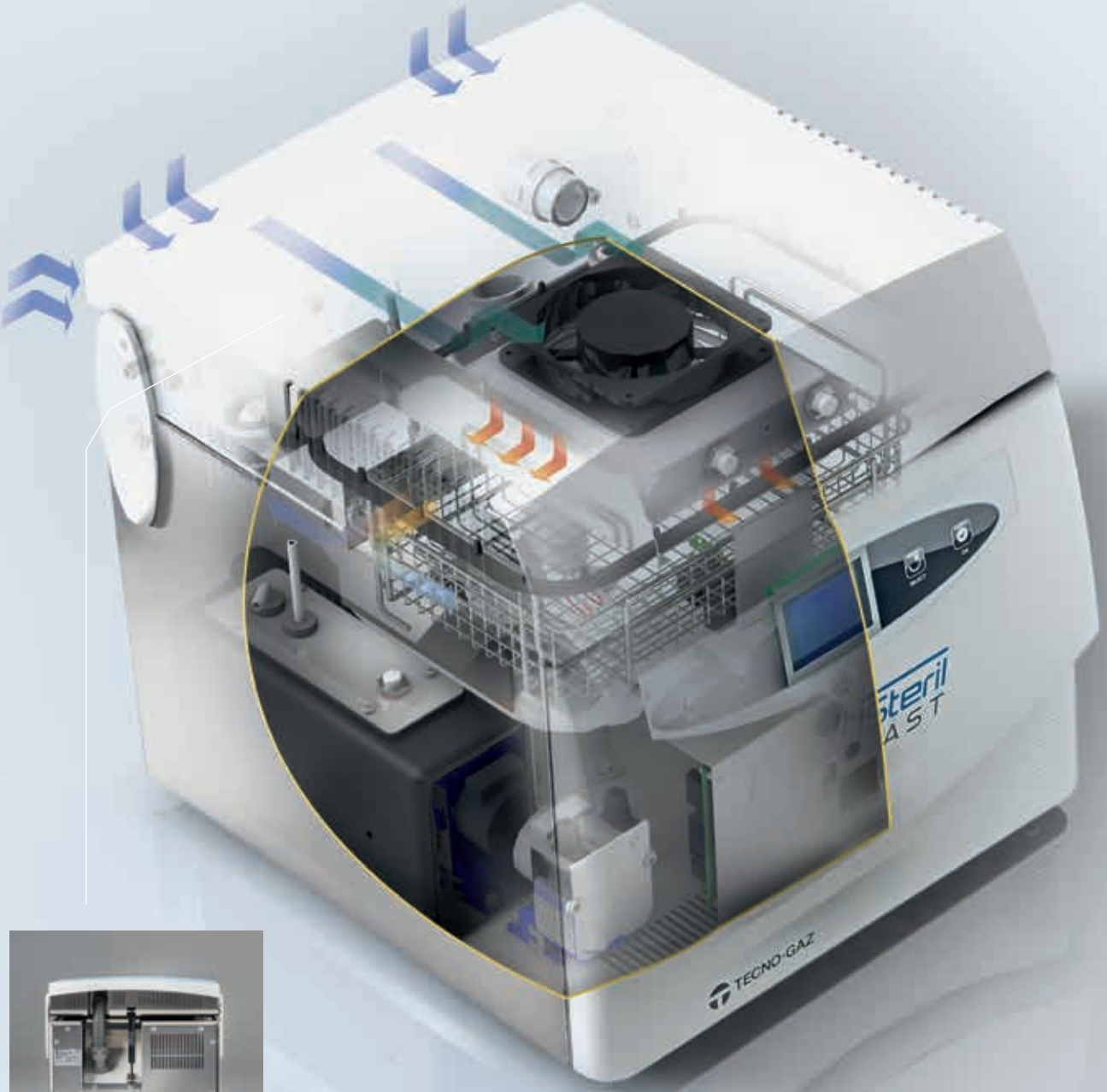
The whole process does not require the continuous presence of an operator, the management of the liquids used is automatic and there is *no need to carry out cleaning and disinfection* at the end of the cycle, with a *great reduction of total time and costs*.

Perfect management of all the operative steps

You can be totally sure that the protocol is followed in an absolutely *correct* way, with a repeatable, consistent quality.

MultiSteril Fast in detail

MultiSteril Fast features technology and innovation.
We were the first in the world to develop this extraordinary device, and today we are the first to transform it into the fastest, safest and qualitatively best system available.



Technology and quality...that you can see.

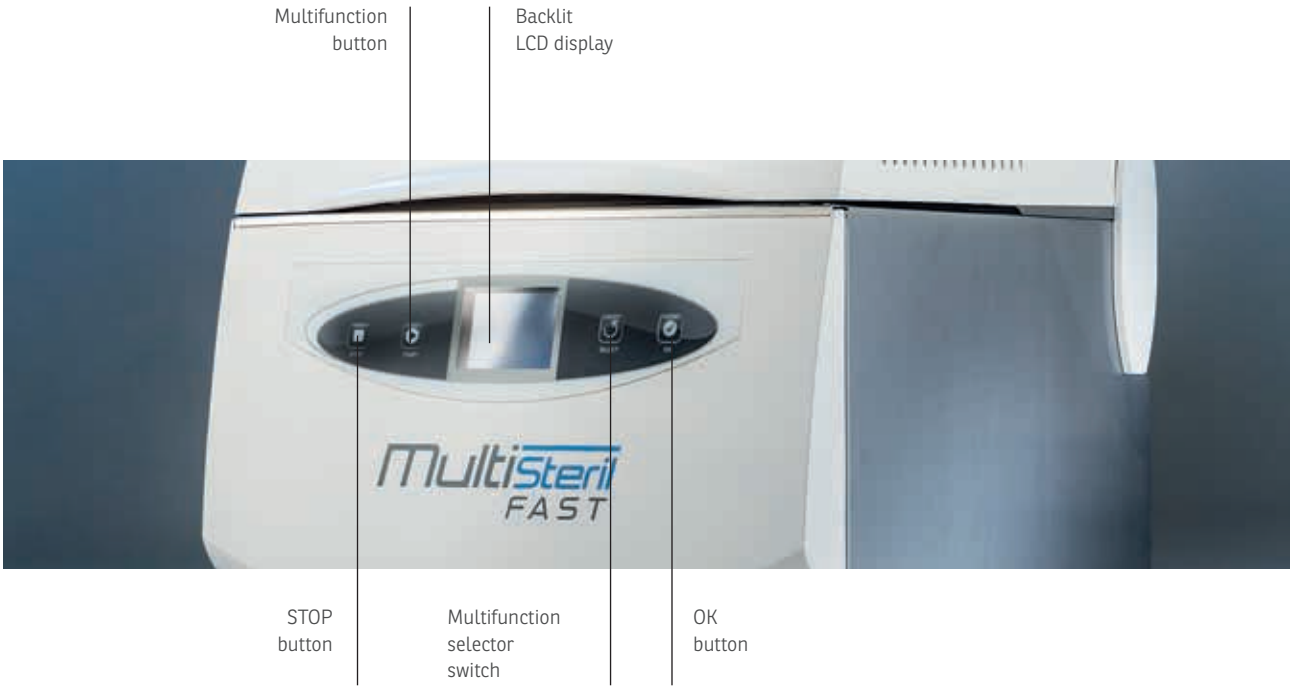
One step forward. Improved excellence.

The MultiSteril system has been tested to obtain the maximum efficiency in disinfection and cleansing. This extraordinary result can be reached with the use of **MultiSteril CD**, the specific liquid disinfectant which is an integral part of the product and the only liquid disinfectant specifically tested for this equipment. The use of other liquid disinfectants does *not guarantee high levels of bacterial load reduction, proper instrument cleansing and good drying*, besides safeguarding treated materials.
Therefore, this tested liquid disinfectant is the only one recommended.

One step beyond... a complete *Fast* system

MultiSteril Fast
The automatic process

Very simple to use



1 Static disinfection

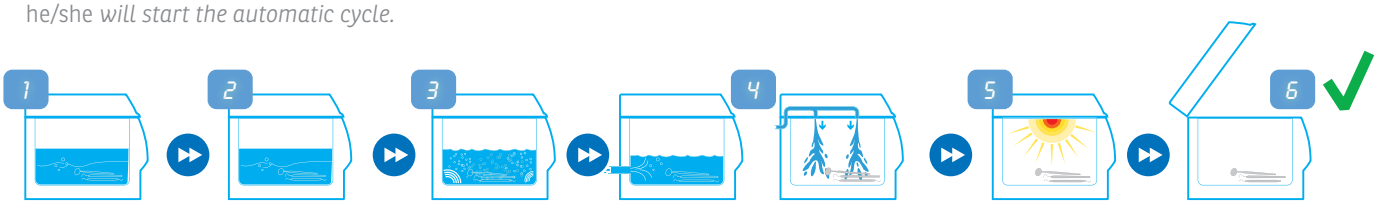
After switching on the machine, water and liquid disinfectant are automatically introduced, in preparation for *static disinfection*. The operator loads the basin with the used instruments, leaving them immersed in the liquid disinfectant. Only at the end of his/her working tasks, or when the basin is full, he/she *will start the automatic cycle.*

2 Disinfection in heated liquid

The cycle will start by heating the liquid and further activating **MultiSteril CD** effectiveness, resulting in *an important reduction of the bacterial load.* MultiSteril CD is the only liquid disinfectant specifically tested for MultiSteril Fast.

3 Cleansing

At the end of the *thermal disinfection* step, the equipment automatically starts the *ultrasonic cleansing* step, obtaining excellent results thanks to the use of MultiSteril CD.



4 Rinsing

After the cleansing step, *the liquid is automatically drained from the basin* and the rinsing step is started, to remove any chemical residues remaining on the treated materials.

5 Drying

Following the rinsing step, drying is started, by *forced hot air convection.*

6 End of the process

The device emits an end-of-cycle acoustic signal. The instruments have undergone a correct cycle of preparation for sterilization and *are ready for packaging.*

Complete supply

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Art. **SVMA072**
Bur basket
SUPPLIED

Art. **SVMA069**
Instrument basket
SUPPLIED

Art. **VM801ZVM**
Holder for 2 surgical trays
(the code refers to the holder only)
OPTIONAL

MultiSteril Fast only requires electrical and water supply connections. The device is already equipped with a special built-in container for the liquid disinfectant, which is automatically dosed by the device (at 1% concentration).

MultiSteril Fast comes complete with accessories:

- Stainless steel instrument basket
- Steel beaker for burs and other small instruments
- Connection tubes
- Basin filters

It can be supplied with a special tray holder for standard and surgical trays

MultiSteril Fast is completely programmable

Temperature:
60°C (ON/OFF)

Ultrasonic cleansing time management

Liquid disinfectant percentage management (the concentration of our liquid disinfectant must be 1%)

Personalised adjustments

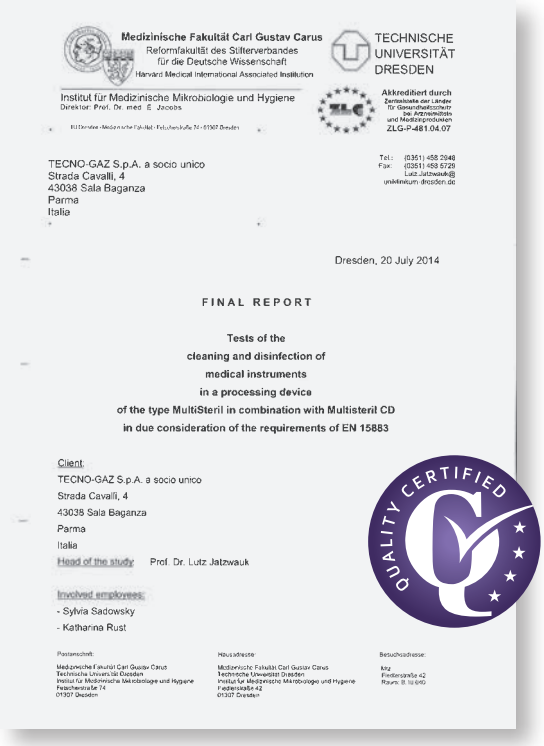
Multisteril CD liquid disinfectant

The MultiSteril system has been tested to obtain the maximum efficiency in disinfection and cleansing. This extraordinary result can be reached with the use of **MultiSteril CD**, the specific liquid disinfectant which is an integral part of the product and the only liquid disinfectant specifically tested for this equipment.
The use of other liquid disinfectants does not guarantee *high levels of bacterial load reduction*, *proper instrument cleansing and good drying*, besides safeguarding treated materials. Therefore, this tested liquid disinfectant is the only one recommended.

MultiSteril CD

Concentrated liquid disinfectant for dental/medical and precision rotary instrument cleansing and disinfection. It does not fix proteins and has no aldehydes, phenols and quaternary ammonium compounds (QACs). The perfect combination for Multisteril Fast.

A tested safety **system.**



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Harvard Medical International Associated Institution

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Institut für Medizinische Mikrobiologie und Hygiene
Direktor: Prof. Dr. med. E. Jacobs

Akkreditiert durch
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bei Arzneimitteln
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Dresden, 20 July 2014

FINAL REPORT

Tests of the
cleaning and disinfection of
medical instruments
in a processing device
of the type MultiSteril in combination with Multisteril CD
in due consideration of the requirements of EN 15883

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QUALITY CERTIFIED

Tested effectiveness

From May to July 2014, the *Institute of Hygiene and Medical Microbiology of the Faculty of Medicine of the Technical University of Dresden* carried out technical and microbiological tests on the combined use of the Tecno-Gaz MultiSteril multifunction basin with liquid disinfectants belonging to the Tecno-Gaz Ctrl Alt line (MultiSteril CD). The tests have shown the effectiveness of instrument cleansing and disinfection with MultiSteril used in combination with MultiSteril CD according to the requirements established by *EN 15883*, a European standard which sets out the specific requirements for washers-disinfectors *(WDS)* designed to reach the disinfection level obtainable by means of thermal cleaning and disinfection.

Multisteril CD

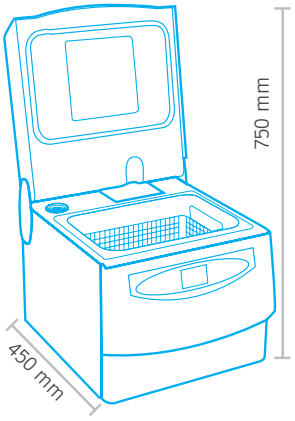
1 litre
SUPPLIED

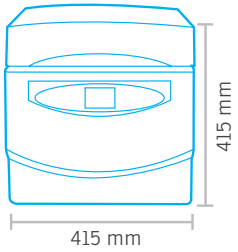
Art. **DM401ALP**
Pack. with 6 x 1 litre bottles
OPTIONAL

MultiSteril CD liquid disinfectant is sold packaged in 6 x 1 litre bottles.

MultiSteril Fast

Technical data	MultiSteril Fast
Width	415 mm
Height	415 mm
Height with lid open	750 mm
Depth with lid open	530 mm
Weight	20 Kg
Voltage	220V~ - 50/60 Hz
Power consumption	1 kW





Basin dimensions	MultiSteril Fast
Width	332 mm
Height	120 mm
Height with lid open	227 mm

Fast sterilisation

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industries

Faster. More effective. Safer.

Reduce overall sterilisation times and costs and get the highest certified quality with Tecno-Gaz integrated sterilisation system.

1 MultiSteril Fast multifunction system

2 TecnoSeal thermosealer

3 OnyxB autoclave

MultiSteril *Fast*

Integrated system for fast preparation for dental and medical instrument sterilisation

COMPLETELY AUTOMATIC CYCLE FOR PACKAGING PREPARATION

[25]

IN ONLY 25 MINUTES

MTGZD0135 - Rev. 01/04/2018 GraphoServiceParma

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MTGZD0135