

ER-214TM

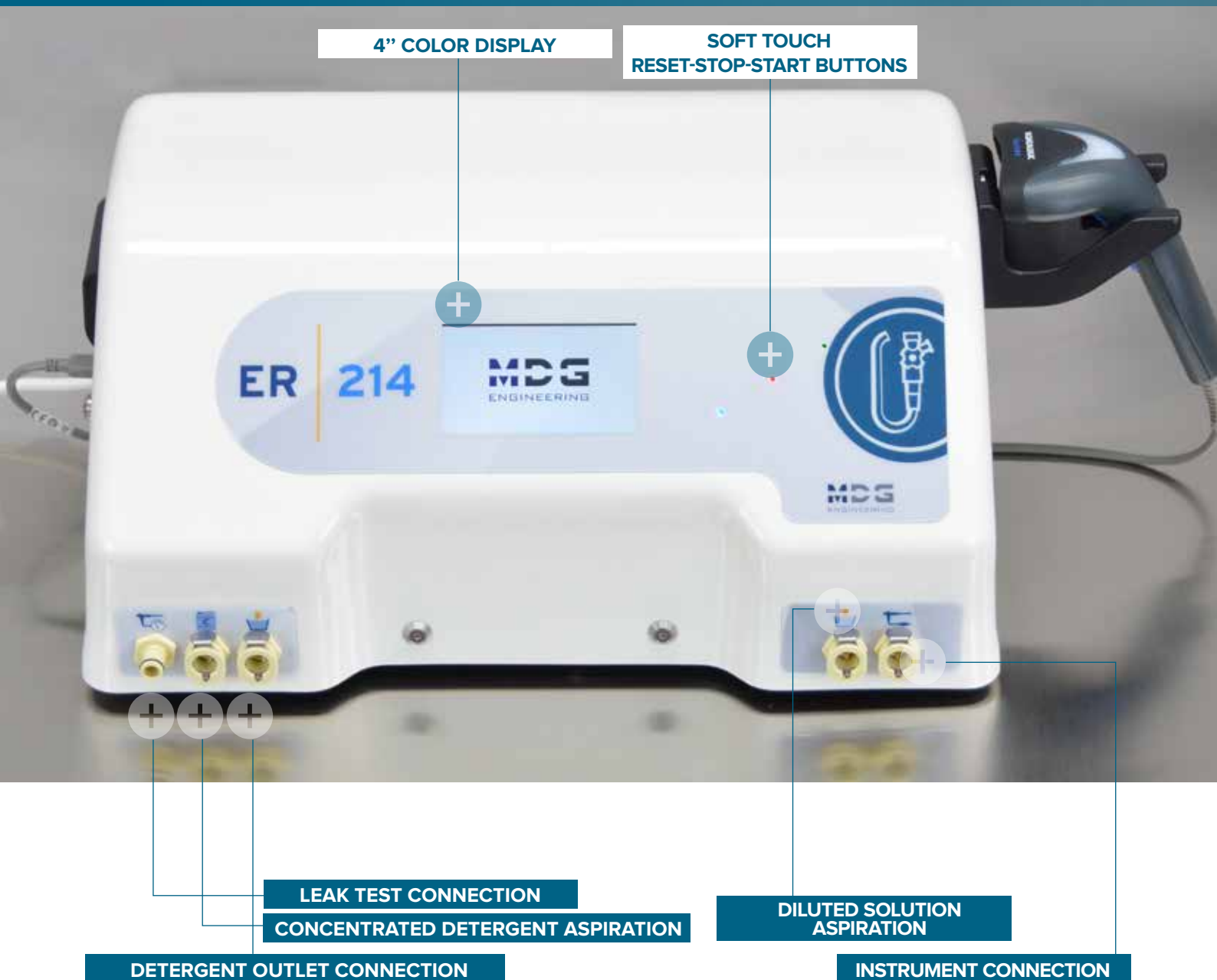
automatic system
to support the manual
pre-washing steps of
flexible endoscopes

+
Compliant
with ISO
15883-5
ANNEX F

+
Compliance
according to
regulation EU
2017/745

ER 214





ER-214™

automatic system to support the manual washing steps of flexible endoscopes

ER-214™ is a compact system which works in combination with the pre-washing sink of instruments (it can be located upon the sink, or hung on the wall using a specific wall bracket); it supports operators during all stages.

The device allows the traceability and the automation of the classic manual washing of flexible endoscopes.

Thanks to this device, the operator does not need to wash the endoscopes manually. This usual procedures do not completely avoid risks of error which can cause carpal tunnel inflammations and osteoarticular diseases.

ER-214™ prevents this set of problems. This process is validated by Dr. Lionel Pineau in his prestigious laboratories, Biotech-Germande.



Dimensions:
W: 440 mm
D: 270 mm
H: 220 mm

**INTEGRATED PRINTER
AND USB PORT**

Main Characteristics

ER-214™ helps the operator step by step during all the phases through graphic messages on the display. The device performs this operations automatically:

Leak test is performed during all the washing cycle in order to reduce risks of instrument infiltrations.

Automatic detergent dosage thanks to the diaphragm pump, it dosages the right quantity of detergent reducing risks of waste and over dosages damaging for the instrument.

Automatic flushing and rinsing of endoscope channels with no reusable product, this avoid the recycling of water used for the cleaning, preventing risks of contamination.

Organic residual sample it is possible to take a sample of water to quickly carry out organic residual tests.

Full traceability through paper report or saving data to USB. Data transfer between Bluetooth or Ethernet connection and Pc/server.

Practical and fast use through barcode (or manual controls). **ER-214™** cleans the instrument in a fast and safe way automatically. The operator just need to clean scopes outside.

Optional:

Clean-up counter for endoscopy suitable for the automated control with ER-214™

The clean-up counter connected to the ER-214™ automatic system for the reprocessing of the endoscopic channels and the removal of the microbial biofilm, allows the automatic loading / unloading of the water and the dosage of the chemical necessary for the correct cleaning of endoscopes channels.

This process allows to avoid recycling of liquids or rather the contamination of all devices.

- The counter is completely made of 15 and 10/20 stainless steel 304L, designed to optimize ergonomics in favour of operators and endoscopic instruments.
- The work surface is equipped with two stainless steel sinks, one for the chemical dosage (200x400x300 mm) and one for the cleaning (500x500x200 mm); complete with hot and cold water mixer tap and a spray gun suitable for water or pressurized air.
- Backsplash from mm 100 (LV-215).
- Closed front with sliding doors.



INTEGRATED PRINTER
AND USB PORT



Mod. LV-215

Sinks are customizable according to the customer's needs

Accessories:

Connection kit for each brand, Stors, Fujinon, Olympus and Pentax.



Bluetooth™

Data transfer between the device and pc via **Bluetooth**

Italian design and technology



Ethernet

cycle data transfer to PC or Server

Other models:

ER-214 over the counter

ER-214/LV for sink automation

ER-214/B over the counter for small instruments

ER-214-B/LV for sink automation for small instruments



Mod. LV-220

+ benefits obtained by reprocessing

Leak Test performed by the machine during the entire cycle automatically. It guarantees a positive continuous pressure inside the endoscopes avoiding infiltrations.

Detergent savings by the automatic adjustable dose. It prevents waste or overdose that could damage scopes.

Full Traceability through barcode reader that identifies the operator and the instrument. Consequently, together with the printings of the single stages of the process, it is possible to track all phases until the final result. Alternatively you can send data to pcs via Bluetooth or Ethernet connection.

Time savings allow the operator to perform other tasks inside the cleaning room. In the meantime the device executes the pre-washing of endoscopes automatically.

Lowering of biological risks especially Carpal Tunnel syndrome.

Compliant with ISO 15883-5.

+ technical data

Made of food-grade ABS and stainless Steel 304L.

Other components made of materials resistant to aggressive chemical detergents.

Outside dimensions (WxDxH) 440x270x220 mm

Weight 10 kg

Certification Class I, according with Annex VIII of Regulation (EU) 2017/745, EN 61010-1, EN 61010-2-040, EN 60601-1-2, EN 61326-1, EN ISO 14971, ISO 15883-5 Annex F.

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Management
System
EN ISO
13485:2016



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Company subject to management and coordination of Medical Devices Group S.r.l.