

GANDY ESC H.9

THE NEXT GENERATION OF
ENDOSCOPE DRYING & STORAGE



Nuova SB System S.r.l.

www.sbsystem.it

MADE IN ITALY



E

S

C

Nuova SB System srl is proud to introduce the GANDY ESC H.9, a cutting-edge Endoscope Drying & Storage Cabinet that sets a new standard in safety, performance, and compliance.

GANDY ESC H.9 is a state of the art horizontal storage solution specifically designed to optimize both external and internal drying while ensuring secure and safe storage of up to 9 thermolabile endoscopes. Compatible with any model or brand of thermolabile endoscopes, the system also accommodates TOE probes.

H

.

9

GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE

PRODUCT DESCRIPTION

The drying and storage phase is a fundamental part of the flexible endoscope reprocessing cycle, allowing direct use of the instruments without the need for further disinfection and ensuring their safety. The ESC H.9 drying and storage cabinet uses the horizontal storage mode and can be used for flexible endoscopes of any manufacturer, thus presenting a strong versatility. The preservation of the instruments is guaranteed to be long-term, and in addition the drying of up to 9 instruments at the same time is allowed.



Manufactured by: Nuova S.B. System S.r.l.

PRODUCT FEATURES

- a) **9.7 inch** color touch screen;
- b) The internal and external surfaces of the device have no blind spots and have a smooth finish, making it **easy to clean**;
- c) **The tempered glass door** allows you to check the state of conservation of the stored endoscopes at any time;
- d) Electromagnetic lock with **PASSWORD**, making it safe and reliable;
- e) Horizontal sliding compartment system that allows better separation of the various endoscopes in order to avoid any contamination.
- f) Positioning on **9 shelves distributed along the height of the cabinet**.
- g) LED devices, which do not produce heat, making them safe and reliable;
- h) **Integrated printer** for paper traceability;
- i) Construction materials:
 - Load-bearing structure: 304 stainless steel;
 - Interior: 316 stainless steel.

GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE



INNOVATIVE DRYING & STORAGE TECHNOLOGY

1. Horizontal Design for Optimal Drying:

- **Minimizes Contamination:** The innovative basket system eliminates direct contact with instruments during the reprocessing phases, ensuring that each endoscope is stored in a fully isolated, protective space. This system prevents endoscopes from touching the ground or other instruments, effectively reducing the risk of cross-contamination and bacterial growth.
- **Moisture-Free Storage:** The unique design guarantees complete moisture removal from each instrument, preventing any accumulation of water that could promote bacterial growth.

2. Cost & Risk Reduction:

- **Reduced Damage Risk:** With the strategic basket and single-shelf positioning, endoscopes are safely stored, ensuring no accidental damage during transport or storage.
- **Enhanced Operator Comfort:** The horizontal system improves ergonomic interaction, reducing strain during the insertion or removal of endoscopes.

GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE

3. Antibacterial Coating: The cabinet features an antibacterial paint that further enhances its hygiene capabilities, reducing the risk of cross-contamination.

4. Easy Traceability & Monitoring:

- **Integrated Traceability System:** Every endoscope's position is easy to identify, facilitating traceability and simplifying operations. Operators can clearly see the status and cycle progress via the display with a color-coding system.
- **Single Channel Control:** Designed for seamless integration, with each endoscope monitored independently.
- **Remote Control Functionality:** The device can be operated remotely, offering flexibility in usage.

5. Drying Efficiency:

- **Perfect Drying from 60 to 120 Minutes:** The GANDY ESC H.9 offers optimal drying of endoscope internal channels, ensuring full compliance with industry standards.

6. No External Air Required:

- **Internal Air Compressor:** The system functions independently, eliminating the need for external air sources. It uses an internal air compressor to ensure a controlled environment.

UNCOMPROMISING SAFETY FEATURES

1. Endoscope Safety

- **Single Duct Control:** Ensures unobstructed airflow with real-time monitoring to detect any blockages.
- **Alerts & Alarms:** Integrated alarms notify operators if endoscopes are removed prematurely or if they remain inside the cabinet for more than 31 days, ensuring safe handling.
- **IO-Link Sensors:** Monitors temperature and humidity levels inside the cabinet, providing a precise record of environmental conditions.

2. Cross-Contamination Prevention

- **Positive Pressure Storage:** Maintains a positive pressure (12 Pa, adjustable) to prevent the entry of microorganisms when the door is opened.
- **Advanced Air Filtration:** The GANDY ESC H.9 utilizes **ULPA U17** filters for external air intake (**0.01 µm** porosity filter) and additional filtration for each shelf (**0,2 µm** porosity filters with **0,01 µm** efficiency of filtration), ensuring the highest standards of cleanliness.
- **Stainless Steel Transport Baskets:** Compatible with the storage environment, these baskets further limit any direct contact with the endoscopes during transportation to and from the cabinet.
- **ISO 5 Air Quality:** The air entering the device is filtered, heated, and dried to remove bacteria,

GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE



Safe & Hygienic



Efficient Drying



Cost-Effective



User-Friendly

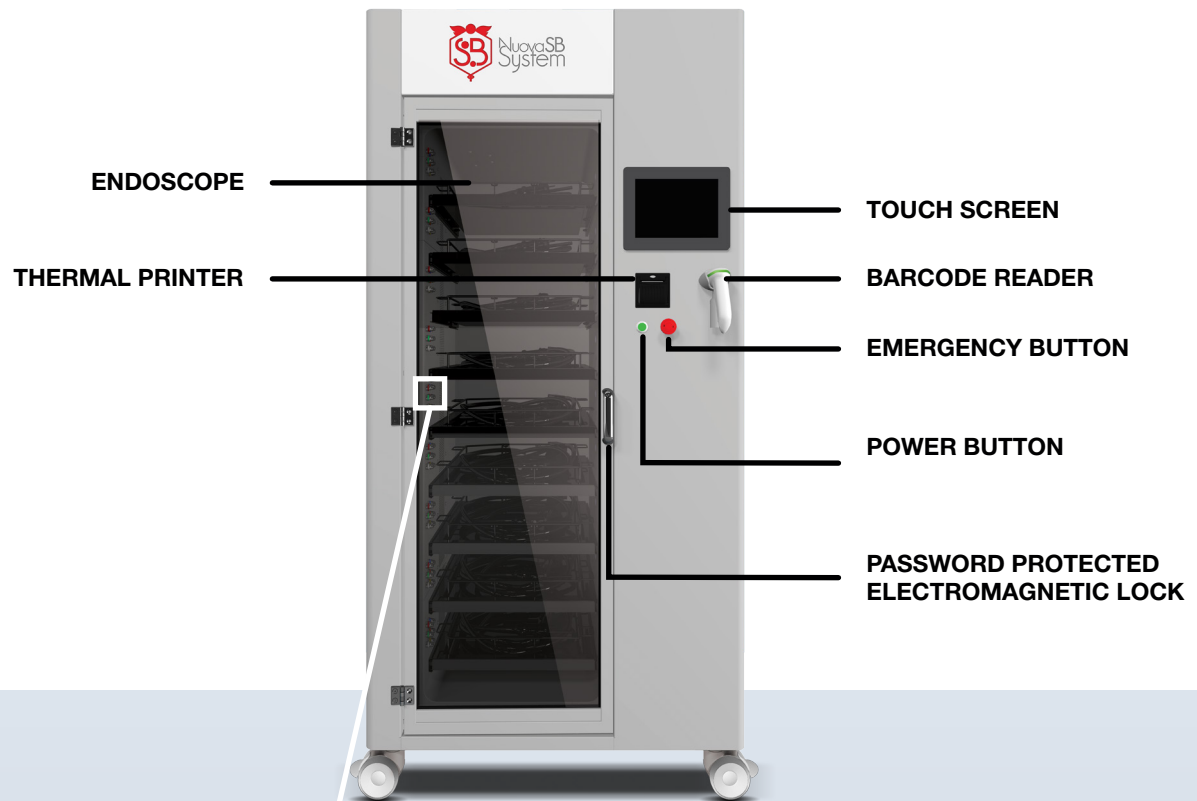
Why Choose GANDY ESC H.9?

- **Safe & Hygienic:** Ensures the highest standards of endoscope safety and cleanliness, reducing the risk of contamination.
- **Efficient Drying:** Guarantees perfect drying and safe storage of up to 9 endoscopes.
- **Cost-Effective:** Reduces the likelihood of damage during storage and transport, which can help save on repair and replacement costs.
- **User-Friendly:** Operator-friendly design with remote control, clear traceability, and color-coded status of channels,

With GANDY ESC H.9, you can be confident that your endoscopes are stored and dried in the safest, most efficient, and compliant manner possible.




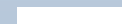


GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE



IDENTIFICATION OF CONNECTOR POSITIONS

CHANNEL CONNECTION

	BIOPSY
	AIR
	SUCTION
	AUXILIARY 2
	AUXILIARY 1
	WATER

GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE

TECHNICAL PARAMETERS

Model		GANDY ESC H.9
Dimensions (W X H X D)		937 X 1949 X 664mm
Capacity		9 Endoscopes
Weight		150kg
Materials	Structure Support	Painted metal
	Interiors Surfaces	ABS and medical grade acrylic
	The door Structure	Tempered glass
Block		Electromagnetic lock with PASSWORD
Supply		230V AC, 50Hz
Room temperature		5~40 °C
Relative humidity		At 20°C, no more than 30%
Power		Input power: 800W
Noise during operation		50 dB

GANDY - ESC H.9

THE NEXT GENERATION OF ENDOSCOPE DRYING & STORAGE



COMPLIANCE CERTIFICATIONS

The GANDY ESC H.9 meets and exceeds international standards for safety and performance, including:

- **MEDICAL DEVICE Class I** according to **MDR 2017/745**, **CE marked**.
- **UNI EN 16442:2015** – Controlled environment storage cabinets for thermolabile endoscopes.
- **IEC 61010-1:2010** – Safety requirements for electrical equipment.
- **EN 61326-1:2022** – Electromagnetic compatibility for measurement and laboratory equipment.
- **ISO 22196:2011** – Antibacterial activity on non-porous surfaces.
- **UNI CEI EN ISO 14971:2022** – Risk management for medical devices.
- **UNI/TR 11662:2016** – Ensuring safe endoscope reconditioning.



Nuova SB System S.r.l.

Nuova SB System S.r.l.

Via De Vizzi, 90 - 20092 Cinisello Balsamo (MI)

Tel. 02 9147 4579 Fax. 02 9366 4575

email : info@sbsystem.it - email (PEC) : nuovasb@registerpec.it

Visit our web site



Rev 0