

A New Standard in Endoscope Channel Cleaning

NOLAN BALL is a spherical channel-cleaning ball designed in sizes suited to the inner diameter of endoscope channels. By maintaining full contact from the channel inlet to the distal end, it maximizes friction and helps reduce cleaning blind spots in areas that may be difficult to reach with conventional brushes.



10-Second Cleaning

Reduces cleaning time to just 10 seconds



360° Full-Contact Cleaning

Provides full 360° contact inside the endoscope channel



Helps Reduce Biofilm Formation

Removes organic matter to help reduce prevent biofilm formation



Microbial Reduction

Supports microbial reduction and improved hygiene after cleaning

Product Specifications & Packaging

Category	GASTRO	GASTRO & COLONO	COLONO	ERCP	Urology
Intended Use	Dedicated	Dedicated	Dedicated	Dedicated	Dedicated
Size	2.8mm	3.2mm	3.7mm	-	-
Availability	Available	Available	Available	Ciming Soon	Ciming Soon
Pack Size	500pcs	500pcs	500pcs	-	-

Four Core Technologies of NOLAN BALL

Helps Reduce Biofilm Formation



Removes residual organic matter from the channel and helps reduce conditions favorable to biofilm formation.

What Is Biofilm?

A resilient microbial layer that forms inside the endoscope channel and may resist antimicrobial agents and disinfectants, increasing the risk of cross-infection.

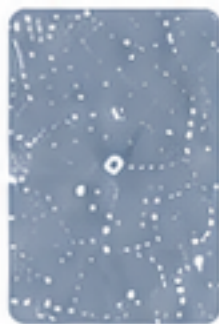
Microbial Reduction



Supports microbial reduction and improved hygiene after cleaning.



Before Use



Before Use

360° Full-Contact Cleaning



Maintains 360° contact inside the endoscope channel to help remove organic matter such as mucus and proteins.

Cleaning Time Reduced



Reduces cleaning time and supports an efficient workflow.

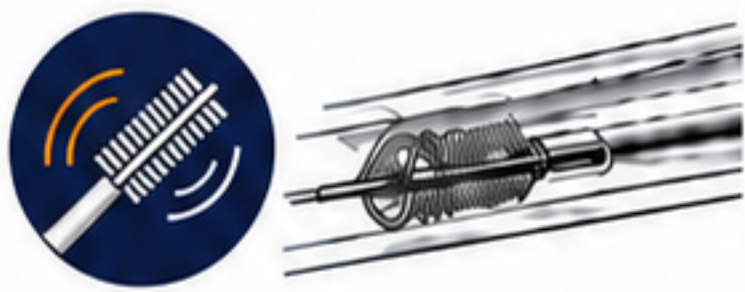
Conventional Brush

Approx.
7-10 min

NOLAN BALL

Approx.
10 sec

Why **NOLAN BALL** Is Needed?



Limitations of Conventional Brush Cleaning

- Manual brushing depends on operator skill
- Three-direction movement may leave blind spots in curved sections
- Brush contact may cause



Risk of Biofilm Formation

- Residual organic matter in the channel
- Initial deposits may support biofilm formation
- Increased risk of cross-infection

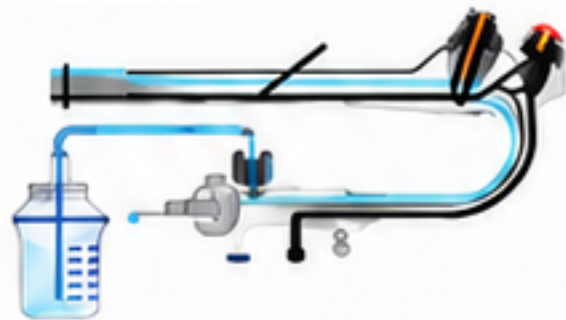


Need for Standardization

- Need for a fast and consistent cleaning process
- Need for standardized quality control
- Need to meet infection-control standards

Hospital Application Process

Pre-cleaning



Two Nolan Balls Pass Through

Applied During Pre-cleaning

Removes large debris and organic matter from the channel to support subsequent manual cleaning.

Manual Cleaning



Thoroughly cleans the pre-cleaned endoscope through manual cleaning.

High-Level Disinfection (HLD)



Supports healthcare-associated infection control through high-level disinfection.

Drying & Storage



Stores the endoscope after complete drying to help prevent recontamination.

Expected Benefits



Reduced Cleaning Time

Approx. 7-10 min

Approx. 10 sec



Reduced Medical Waste

Approximately 1/180

Substantially Reduced



Process Standardization

Consistent cleaning quality
Reduced operator variability



Improved Operational Efficiency

Fewer repeat cleaning cycles

Faster turnaround



Delivers fast, consistent, high-quality cleaning performance regardless of operator skill level.



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