



THD HRSTATION

THD HRStation is an integrated station dedicated to the **diagnosis** of anal canal pathologies and specifically in the diagnostic process of **pre-cancerous lesions**.



The system is based on **THD Proctosoftware**, proprietary software designed to run in a standardized environment:

- High resolution anoscopy of the anal canal
- Collection of high resolution images
- Collection of high resolution videos
- Image annotation
- Image comparison
- Compare videos
- Patient record
- Custom Reports

THD Proctosoftware is a **CE 1936** Medical Device certified by TUV Rheinald.

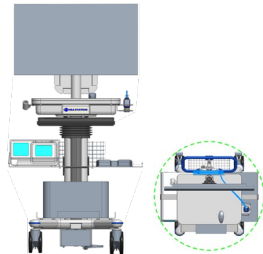
Thanks to additional modules **THD Proctosoftware** allows further diagnostic analyzes such as **Anorectal Manometry** and **Transanal Ultrasound**.



THD HR Station includes:

- 1) **THD ProctoSoftware** – INTEGRATED PROCTOLOGY SOFTWARE composed of: :
 - User Management module
 - Patient Database module
 - 4K High Resolution Anoscopy module with dynamic digital zoom (magnification up to 58x)
 - Bidimensional Transanal Ultrasound module
 - Anorectal Manometry module
 - Reporting form
- 2) **Hardware dedicato** consisting of a WorkStation:
 - 32" 4K screen, 4TB Storage, LAN/Wireless GigaByte Ethernet, Windows 10 Professional (or superior), Keyboard and Mouse.
- 3) **THD 4K CAM** USB 3.0 video camera with max resolution 4000x3000 px
- 4) **Laser printer** A4 color laser printing device
- 5) **Smoke Evacuator** medical fume aspirator with absolute filter
- 6) **Double pedal** for hands-free control of the main functions of the THD Procto Software
- 7) **Multi-Voltage Isolation Transformer**: *Certification TUV: EN60601-1-1:2006-3rd; EN60601-1-2:2007; IEC 60601-1:2005; IEC 60601-1-2:2007 ; TÜV-SÜD - NRTL C + US.*
- 8) **THD Rolling Cart** – with 4 pivoting wheels with brakes and dragging handle with:
 - accessory holder basket
 - integrated instrument holder (video camera and ultrasound endoanal probe)
 - plan for medical devices (e.g. aspirators, etc.)
 - table top with 32" 4K screen (height adjustable from approximately 90 cm to 115 cm)
 - supplementary plan (e.g.: laser printer)



Dimensional Characteristics		
THD HRSTATION		
Min height	1440 mm	
Max height	1690 mm	
Front width	780 mm	
Depth	670 mm	
Wheel rotation diameter	870 mm	
Weight (unpacked) Weight (packed)	85 Kg 120 kg	

Functional Characteristics	
Computer (processor)	HP Z2 Mini G5 Workstation (Core i7 – 2.9 GHz)
Memory	16 GB
Operating system	MS Windows
Hard disk	512 GB SSD (<i>Operating System</i>) + 4 TB SSD (<i>Archive</i>)
Screen	32" - Resolution 3840 x 2160, adjustable
Graphic board	nVidia board P620
Doors	3 USB 3.2 Gen 1 Type-A, 1 USB 3.2 Gen 2 Type C, HDMI e DisplayPort
Connection	LAN Gigabyte Ethernet 10/100/1000, Wireless LAN 802.11 c/n
Alimentation	110V/240V – 50/60 Hz
Accessories	Keyboard, mouse and double pedal for ProctoSoftware
Printer	Color Laser (HP) – A4 format
Smoke aspirator	Smoke Evacuator (Bovie), 4 stage filter from 0.1 to 0.2 act. Hum. 99.999% - Aspiration 25.69 kPa (6.35 mm hole)
Maximum magnification level in Live Anoscopy	58x

Compatible devices			
REF	Denomination	Description	Connection
800179	THD EAUS PROBE 12 MHZ	Transanal ultrasound probe 12 MHz	USB 2
800140	THD ANOPRESS	Anorectal manometry device	Bluetooth

Accessories				
REF	Denomination	Q.ty	Description	Packaging
800191	THD LIGHT-SCOPE PROCTO HRA	10	Anoscope HRA Lightscope	Single use Not sterile
800297	THD LIGHT-SCOPE PROCTO HRA LASER	10	Anoscope HRA Lightscope Laser	
880067	THD MANIPOLO HRA LASER	10	Handpiece HRA Laser	
880065	THD TUBO HRA ASPIRAZIONE	1	Tube ϕ 7mm internal	
800150	THD PRESSPROBE (ENV)	50	Probe for anal manometry	
800192	THD SENSYPROBE	15	Probe for anorectal manometry	

THD HRSTATION				
Q.tà	Cod.	Description	RDM	EMDN (CND)
1	800299	THD HRSTATION	136135	-
<i>INCLUDES</i>				
1	800195	THD 4K CAM	2320760	Z12020405
1	800181	THD SMOKE EVACUATOR SE02-220	121407	-
1	760004	THD PROCTOSOFTWARE	1667788	Z11040182
1	880027	ISOLATION TRANSFORMER	-	-
1	320079	LASER PRINTER	-	-