



# Senhance<sup>®</sup>

## Surgical System

### Senhance Surgical System EMEA Product Catalog January 2020





## MISSION

At TransEnterix, our vision is to improve clinical outcomes and patient care through the use of robotics in surgery. We seek to enhance and support surgeon capabilities while reducing the barriers to adoption with responsible economics and leveraging existing laparoscopic skills.

## ABOUT

Founded in 2006, TransEnterix is a medical device company that is pioneering the use of robotics to improve minimally invasive surgery by addressing the clinical and economic challenges associated with current laparoscopic and robotic options in today's value-based healthcare environment. The Company is focused on the commercialization of the Senhance® Surgical System, a multi-port system that brings the advantages of robotic surgery to patients while enabling surgeons with innovative technology such as haptic feedback and eye sensing camera control. The Senhance Surgical System is available in the US, the EU, Japan, and select other countries.

## GLOBAL HEADQUARTERS

TransEnterix  
635 Davis Drive, Suite 300  
Morrisville, NC 27560 USA

## EUROPEAN HEADQUARTERS

TransEnterix Europe  
Via Serafino Balestra 12  
6900 Lugano, Switzerland

TransEnterix products  
are manufactured by:

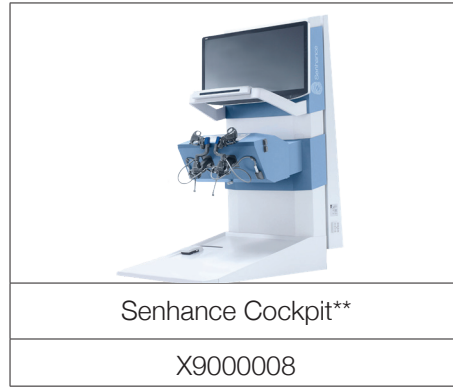


TransEnterix Italia S.r.l

Viale dell'Innovazione, 3  
20126 Milano (MI), Italy

Some products may not be available in all markets. Please contact your local TransEnterix representative or distributor for more information.

## Senhance Surgical System



## Senhance System Power Packs

Description	Order Code
Senhance System Power Pack (Type B) 1 - X0005632 Power Cable for Node (Type B) 5 - X0005630 Power Cable for Cockpit and Manipulator Arm (Type B) 8 - X0002949 Rear Base Foot	X9007632
Senhance System Power Pack (Type F) 1 - X0005761 Power Cable for Node (Type F) 5 - X0005631 Power Cable for Cockpit and Manipulator Arm (Type F) 8 - X0002949 Rear Base Foot 6 - X0004192 Protective Earth Cable	X9007638
Senhance System Power Pack (Type G) 1 - X0005762 Power Cable for Node (Type G) 5 - X0005764 Power Cable for Cockpit and Manipulator Arm (Type G) 8 - X0002949 Rear Base Foot	X9007640

\*One (1) Data Cable (order code X0104190) comes with each Senhance Manipulator Arm.

\*\*One (1) Fiber Optic Cable (order code X0005233) comes with the Senhance Cockpit.

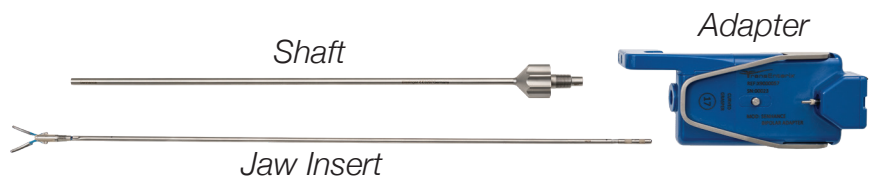
Note: Electrical cables need to be ordered separately based on your geographic region.





### 5 mm Monopolar Instruments

	Description	Instrument Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Curved Metzenbaum Scissors	X0007026	X9007026	67	5 mm	310 mm
		X0007027	X9007027	68		410 mm
	Curved Metzenbaum Scissors, Short Tip	X0007029	X9007029	73	5 mm	310 mm
		X0007030	X9007030	74		410 mm
	Maryland Dissector	X0007032	X9007032	69	5 mm	310 mm
		X0007033	X9007033	70		410 mm
	L-Hook Electrode	X0007177	X9007035	71	5 mm	310 mm
		X0007178	X9007036	72		410 mm



### 5 mm Bipolar Instruments

	Description	Jaw Insert Code	Shaft Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Large Grasping Forceps	X0005146	X0005150	X9000056	16	5 mm	310 mm
	Curved Grasping Forceps	X0005147	X0005150	X9000057	17	5 mm	310 mm
	Maryland Dissector	X0005149	X0005150	X9000058	18	5 mm	310 mm
	Curved Scissors	X0005148	X0005150	X9000059	19	5 mm	310 mm



## 5 mm Passive Instruments


	Description	Instrument Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Allis Grasper	X0007002	X9007002	51	5 mm	310 mm
		X0007003	X9007003	52		410 mm
	Johan Grasper	X0007005	X9007005	53	5 mm	310 mm
		X0007006	X9007006	54		410 mm
	Kocher Grasper	X0007008	X9007008	55	5 mm	310 mm
		X0007009	X9007009	56		410 mm
	Strong Grasper	X0007011	X9007011	57	5 mm	310 mm
		X0007012	X9007012	58		410 mm
	Mixer Dissector	X0007014	X9007014	59	5 mm	310 mm
		X0007015	X9007015	60		410 mm
	Babcock Forceps	X0007017	X9007017	61	5 mm	310 mm
		X0007018	X9007018	62		410 mm
	Fundus Grasper	X0007038	X9007038	77	5 mm	310 mm
		X0007039	X9007039	78		410 mm
	Needle Holder, Right	X0007020	X9007020	63	5 mm	310 mm
		X0007021	X9007021	64		410 mm
	Needle Holder, Left	X0007023	X9007023	65	5 mm	310 mm
		X0007024	X9007024	66		410 mm










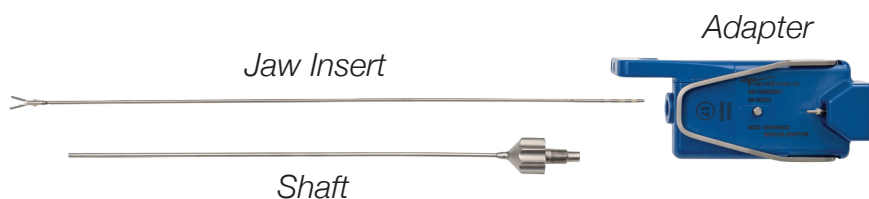
### 10 mm Passive Instruments

	Description	Instrument Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Right Angle Dissector	X0007405	X9007405	95	10 mm	310 mm
		X0007406	X9007406	96		410 mm





### 3 mm Monopolar Instruments

	Description	Instrument Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Curved Metzenbaum Scissors	X0007215	X9007215	88	3 mm	280 mm
	Maryland Dissector	X0007212	X9007212	86	3 mm	280 mm
	L-Hook Electrode	X0007268	X9007221	92	3 mm	280 mm



### 3 mm Bipolar Instruments

	Description	Jaw Insert Code	Shaft Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Maryland Dissector	X0007309	X0007303	X9007309	26	3 mm	280 mm
	Grasping Forceps	X0007306	X0007303	X9007306	25	3 mm	280 mm

Adapter





### 3 mm Passive Instruments

	Description	Instrument Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Atraumatic Grasper	X0007203	X9007203	80	3 mm	280 mm
	Cobra Grasper	X0007206	X9007206	82	3 mm	280 mm
	DeBakey Grasper	X0007209	X9007209	84	3 mm	280 mm
	Needle Holder	X0007218	X9007218	90	3 mm	280 mm

Adapter



### Hem-o-lok Clip Appliers




	Description	Instrument Code	Adapter Code	ID Number	Shaft Diameter	Shaft Length
	Weck Hem-o-lok Medium-Large Clip Applier <sup>1</sup>	X0007041	X9007041	75	5 mm	310 mm
		X0007042	X9007042	76		410 mm
	Weck Hem-o-lok Large Clip Applier <sup>2</sup>	X0007402	X9007402	93	10 mm	310 mm
		X0007403	X9007403	94		410 mm

1. Weck® Hem-o-lok® medium-large polymer locking clip (Weck Code 544230) is the only compatible clip used with this instrument. To order, contact Teleflex ([www.teleflex.com](http://www.teleflex.com)) or your local distributor.
2. Weck® Hem-o-lok® large polymer locking clip (Weck Code 544240) is the only compatible clip used with this instrument. To order, contact Teleflex ([www.teleflex.com](http://www.teleflex.com)) or your local distributor.





## Articulating Instruments

	Description	Disposable Tip Code (box of 5)	Reusable Shaft Code	Adapter Code	Shaft Diameter	Shaft Length
	RADIO Atraumatic Grasping Forceps	X0005222	X0005216	X9000009	10 mm	330 mm
	RADIO Self-Aligning Needle Holder	X0005221				
	RADIO Universal Needle Holder	X0005300				

## Senhance Ultrasonic

	Description	Order Code	Qty/Box
	Senhance Ultrasonic Dissector (Ø 5.5 mm x 370 mm)	X9007619	10 (single use)
	Senhance Ultrasonic Transducer	X9007620	1 (reusable)
	Senhance Ultrasonic Adapter	X9007618	1 (reusable)
	Senhance Ultrasonic Generator*	X9007621	1
	Senhance Ultrasonic Footswitch	X9007641	1


\*Note: Electrical cables need to be ordered separately based on your geographic region



## Senhance Ultrasonic Accessories

Description	Order Code	Manufacturer REF
Lotus Reprocessing Basket (55 cm L x 15 cm W x 7.7 cm H)	X9007654	BOWA 773-984
InstruSafe Sterilization Tray for Senhance Ultrasonic - Wrap (66 cm L x 15.3 cm W x 9.8 cm H)	X0008282	Summit IN-8753-R
InstruSafe Sterilization Tray for Senhance Ultrasonic - Container (66 cm L x 15.3 cm W x 9.8 cm H)	X0008354	Summit IN-8753-TF
Ultrasonic System Power Cable (Type B)	X9007655	
Ultrasonic System Power Cable (Type F)	X9007656	
Ultrasonic System Power Cable (Type G)	X9007657	

## Vision System Adapters

	Description	Order Code
	CONMED 3DHD 10 mm Endoscope Adapter	X9000024
	Stryker Advanced Imaging 5 mm Endoscope Adapter	X9007600
	Stryker Advanced Imaging 10 mm Endoscope Adapter	X9007601
	NOVADAQ 5 mm Endoscope Adapter	X9007604
	NOVADAQ 10 mm Endoscope Adapter	X9007602
	Richard Wolf 3DHD 10 mm Endoscope Adapter	X9007633
	KARL STORZ 5 mm Endoscope Adapter	X9007660
	KARL STORZ 10 mm Endoscope Adapter	X9007649
	KARL STORZ 3DHD 10 mm Endoscope Adapter	X9007661
	Olympus ENDOEYE 3D 10 mm Endoscope Adapter	X9007680

## CONMED Vision System

Description	Order Code	CONMED REF
CONMED 3DHD Camera Controller	X0005132	8170-6
CONMED 3DHD Light Source	X0005134	8050-2
CONMED 3DHD Dual Channel Camera Head	X0005133	8170-12
CONMED 3DHD Light Guide (4.5 m)	X0005135	8054-9
CONMED 3DHD Light Source Replacement Bulb	X0005162	8050-2-1
CONMED 3DHD Camera Controller and Light Source Power Cable (Type B)	X0005759	C7104
CONMED 3DHD Camera Controller and Light Source Power Cable (Type F)	X0005760	C7105
CONMED 3DHD Dual Channel Endoscope (0°, Ø 10 mm x 300 mm)	X0007855	8191-13
CONMED 3DHD Dual Channel Endoscope (0°, Ø 10 mm x 415 mm)	X0005136	8191-11
CONMED 3DHD Dual Channel Endoscope (30°, Ø 10 mm x 300 mm)	X0007856	8191-14
CONMED 3DHD Dual Channel Endoscope (30°, Ø 10 mm x 415 mm)	X0005137	8191-12
CONMED 3DHD Camera System Sterile Tray (55cm L x 24.5cm W x 9.9cm H)	X0008211	VP1008



## Drapes

Description	Order Code	Manufacturer REF
Senhance Manipulator Arm Drape (box of 10 sterile 3-packs)	X9007636	DAS X9007636
Senhance Manipulator Arm Drape (box of 10 individual sterile drapes)	X9007635	DAS X9007635
Senhance RADIA Drape (box of 30 sterile individual drapes)	X0005220	Microtek X0005220
Sterile Tape, Case 4 pcs of tape per pouch, 60 pouches per case	X0008236	DAS X0008236

## Electrosurgical Cables

Description	Order Code	Manufacturer REF
Bipolar Cable for Erbe generator, length 5 m	X0005152	Bissinger 80100086
Bipolar Cable for CONMED/Covidien/Valleylab, 2-pin (29 mm), length 5 m	X0007819	Bissinger 80100088
Monopolar cable, 4 mm plug, length 4.5 m	X0008256	BOWA 280-050
Monopolar neutral cable for Erbe Nussy plate, length 4.5 m	X0008257	BOWA 294-050
Monopolar cable, Bovie 8 mm plug, length 4.5 m	X0008259	BOWA 360-050
Monopolar neutral cable for Covidien/Valleylab/CONMED/BOWA generators, length 4.5 m	X0008260	BOWA 386-050
Bipolar cable, 2-pin (28 mm), length 4.5 m	X0008264	BOWA 401-051
Bipolar cable, for Erbe generator, length 4.5 m	X0008265	BOWA 401-052

## Accessories

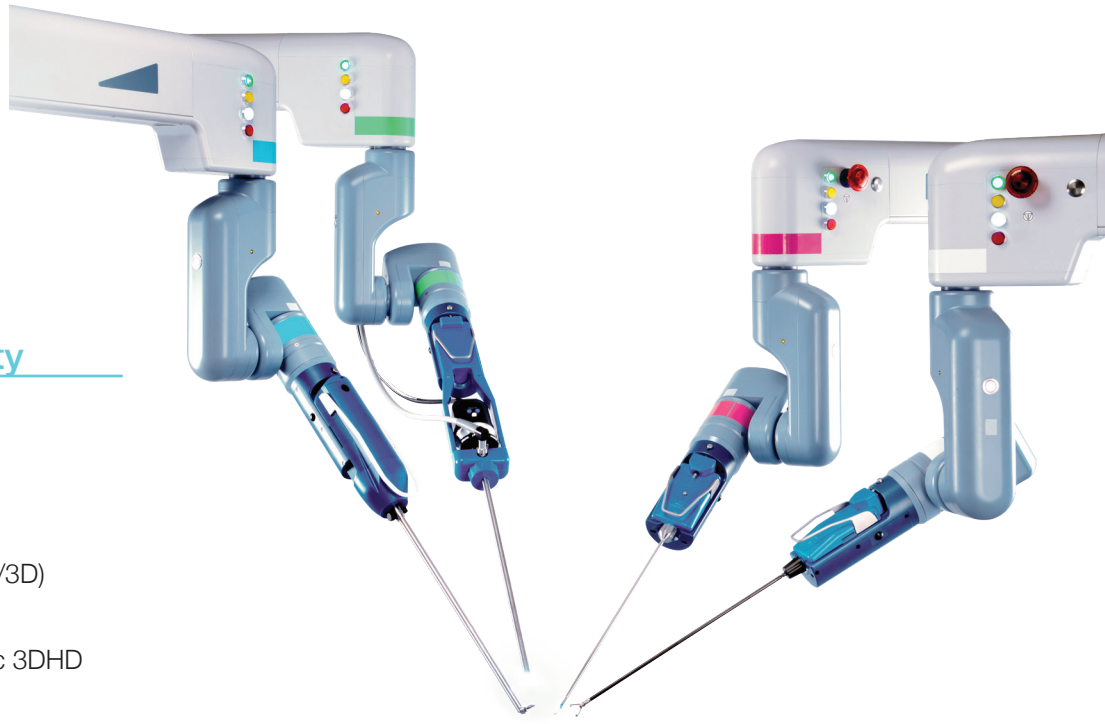
Description	Order Code	Manufacturer REF
Cockpit Handle Inserts (box of 2)	X9000067	
Velcro kit for sterile drape attachment (box of 10)	X0005436	
3D Glasses	X0008272	
3D Clip-ons	X0008254	
MicroStop Sterile Container Pack (60 cm L x 30 cm W x 14 cm H)	X0005366	KLS Martin 55-622-13-04
MicroStop Sterilization seal with indicator (box of 1,000)	X0005367	KLS Martin 55-996-83-04
Sony 4K/3D Cockpit Monitor	X0008333	Sony LMD-X310MT
InstruSafe Dual Endoscope Adapter Sterilization Tray (Container) (20.56 cm L x 10.25 cm W x 3.12 cm H)	X0008303	Summit IN-8752-TF
InstruSafe Dual Endoscope Adapter Sterilization Tray (Wrap) (20.56 cm L x 10.0 cm x 3.22 cm H)	X0008304	Summit IN-8752-R

## Spare Parts

Description	Order Code
Data Cable for Manipulator Arm	X0104190
Fiber Optic Cable for Cockpit	X0005233
Power Cable for Node (Type B)	X0005632
Power Cable for Cockpit and Manipulator Arm (Type B)	X0005630
Power Cable for Node (Type D)	X0008134
Power Cable for Cockpit and Manipulator Arm (Type D)	X0008124
Power Cable for Node (Type F)	X0005761
Power Cable for Cockpit and Manipulator Arm (Type F)	X0005631
Power Cable for Node (Type G)	X0005762
Power Cable for Cockpit and Manipulator Arm (Type G)	X0005764
Power Cable for Node (Type H)	X0008136
Power Cable for Node (Type I)	X0008137
Power Cable for Cockpit and Manipulator Arm (Type I)	X0008127
Power Cable for Node (Type J)	X0008056
Power Cable for Cockpit and Manipulator Arm (Type J)	X0008128
Power Cable for Node (Type K)	X0008139
Power Cable for Cockpit and Manipulator Arm (Type K)	X0008129
Power Cable for Node (Type L)	X0008140
Power Cable for Cockpit and Manipulator Arm (Type L)	X0008130
Power Cable for Node (Type M)	X0008141
Power Cable for Cockpit and Manipulator Arm (Type M)	X0008131
Power Cable for Node (Type N)	X0008142
Power Cable for Cockpit and Manipulator Arm (Type N)	X0008132
Protective Earth Cable	X0004192
Luer Lock Caps (box of 10)	X0008253



## Senhance Compatibility



### VISION SYSTEMS

- CONMED 3DHD
- KARL STORZ IMAGE1 S (2D/3D)
- NOVADAQ PINPOINT
- Richard Wolf ENDOCAM Epic 3DHD
- Stryker 1588 AIM
- Olympus ENDOEYE 3D

### ELECTROSURGICAL GENERATORS

- BOWA ARC 400
- CONMED System 5000
- Covidien Valleylab FT10\*
- Covidien Valleylab ForceTriad
- Covidien Valleylab Force FX
- Erbe VIO 300D
- Erbe VIO 3

### TROCARS

- Any trocars used for laparoscopic surgery are compatible with Senhance

*\*Contact TransEnterix Customer Care to confirm compatibility between Covidien FT10 generator and individual Manipulator Arms.*

Senhance® is CE marked according to the MDD and is intended to be used for laparoscopic surgery in the abdomen, pelvis and limited uses in the thoracic cavity excluding the heart and greater vessels of adults. The device is restricted to sale by or on the order of a physician.

Eye trackers supplied by Tobii.

Senhance was developed under a license of the European Commission Joint Research Centre.

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