

BORN TO SIMPLIFY

SmartXide HS

**CO₂ LASER SURGERY:
POWER, AUTOMATION
& MICROMETRICAL PRECISION
FOR MICROSURGICAL EXCELLENCE.**



Main Application Fields

ENT MICROSURGERY & SURGERY |
COLPOSCOPIC GYNECOLOGY | GENERAL SURGERY



Manufactured by DEKA M.E.L.A SRL
Exclusively distributed by

JENA SURGICAL
LASER AT YOUR SIDE

SmartXide HS

**BORN TO
SIMPLIFY**

JenaSurgical introduces the **SmartXide HS** series - a range of surgical CO₂ lasers with 30 W or 50 W of maximum power in continuous mode. It is recognized as being minimally invasive, highly effective and scientifically proven with regards to surgery and microsurgery.

Application fields

ENT MICROSURGERY & SURGERY | COLPOSCOPIC GYNECOLOGY | GENERAL SURGERY

Simplify microsurgery for safer and comfortable treatments and methods, operating with:

- Scanning shapes fully customized: Providing the surgeon with **cutting or ablation patterns**, i.e. line, curve, circle, spiral, hexagon or clover shape of variable length and controlled depth.
- Controlling the ablation depth, scanning speed & coagulation percentage
Depth Mode: The operator can directly act on the cutting depth and the percentage of coagulation.
Power Mode: The operator can directly act on the emission power and dwell time of the laser beam on a scanning point.
- Specific ENT and Gynecology protocols



USER FRIENDLY



SmartXide HS Accessories

HiScan Surgical

It allows defined and accurate incisions to be performed, controlling the thermal damage.



Max. Scanning Area

6.3 mm @ 400 mm EFL

Dwell Time

From 200 μ s to 300 ms

Selectable Ablation Depth

From 100 μ m to 2 mm

Scanning Modes

Power Mode and Depth Mode

Scanning Shapes

Line, arc of a circle up to complete the circle, spiral, hexagon (with normal and interlaced scan mode), ellipsoid motion on a circular surface

Emission Mode

Continuous Wave (cw) - Super Pulse (SP)

Application Fields

ENT, Gynecology

EasySpot Micromanipulator

The specific instrument for operating in maximum safety even in delicate areas.



Optical Technology

Focal Length: from 200 mm to 400 mm

Spot Size

Min 140 μ m (200 mm EFL)

Max 4.5 mm (400 mm EFL)

Operative Field @ 400 mm EFL

Min 20 x 18 mm - Max 55 x 40 mm

Application Fields

ENT, Gynecology

SmartXide HS	
Laser Source	CO ₂
Wavelength	10,600 nm
Emission Mode	Continuous Wave (cw) - Pulsed Wave (pw) - Super Pulse (SP)
Power	cw - 30 / 50 W SP - 15 / 25 W
Repetition Rate	5 to 100 Hz (pw)
Emission Time	0.02 to 80 ms (pw)
Delay Emission Time	0.3 sec (not adjustable)
Beam Delivery	Articulated arm with 7 mirrors and counterweight
Aiming Beam	Laser Diode @ 635 nm - 4 mW
Control Panel	LCD color touchscreen
Accessories	HiScan Surgical Scanner System EasySpot Micromanipulator Wide range of surgical handpieces
Electrical Requirements	230 VAC 920 VA / 1.8 A (50 - 60 Hz)
Dimensions and Weight	140 / 160 (H) x 55 (D) x 48 (W) cm, 38/43 kg

SmartXIDE_{HS}

Find more info about
SmartXide HS



JenaSurgical GmbH
Brüsseler Str. 10
07747 Jena - Germany

Phone: +49 (0) 3641 7700 122
Fax: +49 (0) 3641 7700 102
Email: info@jenasurgical.com

www.jenasurgical.com

JENA SURGICAL
LASER AT YOUR SIDE

Your professional expertise combined with Scanner-Assisted Robotized Systems can improve performance for all photoablative treatments.

Applications

ENT

Transoral laser microsurgery (e.g. surgical oncology and phonosurgery)
Endonasal surgery

GYNECOLOGY

Colposcopy (e.g. dysplasia of lower genital tract)

GENERAL SURGERY

Manufacturer acc. MDD
DEKA M.E.L.A. SRL
Via Baldanzese, 17
50041 - Calenzano (FI) - Italy



This brochure is not intended for the market of USA.

All rights reserved: in order to improve its products the Company reserves the right to modify these specifications without prior notice.