

Add Hi-Tech Precision to your Surgical Expertise...

H i g h P e r f o r m a n c e

Shalya TURoSeal[®]

With all Reusable Attachments



Electrosurgical Generator

CE
1639



ISO
13485

Complete range of
Electro Surgical Solutions

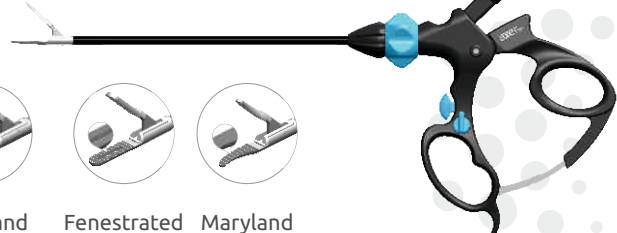
Shalya range of Reusable Instruments

Without Button - H008
With Button - H011

axer[®]max

axer[®]flexB

Without Spring - H005
With Spring - H002



Round Maryland
Triangular Maryland

Maryland
Sealer

Fenestrated
Grasper Maryland
Grasper



RFaST

Sealing

Bipolar

Cost Effective as Reusable Instruments. | No need of Changing Instruments during procedure. | Fast & Seamless Surgical Experience.

MONOPOLAR CUT : Pure Sine wave 390 kHz
Sp Cut - Continues output, 300 W at 300 Ω , CF 1.5
Pure - Continues output, 300 W at 300 Ω , CF 1.5
Blend - Bursts repeating at 29 kHz 55% ON cycle,
200 W at 300 Ω , CF 2.5
Endo - Pulse output, 300W at 300 Ω , CF 1.5

BIPOLAR : Pure Sine wave 440 kHz
Micro -Lower output voltage, 95 W at 100 Ω , CF 1.5
Macro - Higher output voltage, 95 W at 100 Ω , CF 1.5

SALINE RESECTION : SIX Modes
Saline Cut Modes: 390 kHz
TURoSeal Cut : Continues output 300 W at 100 Ω , CF 1.5, High Volt
Saline Coag Modes: 440kHz
TURoSeal Coag: Continues output 200 W at 100 Ω , CF 1.5,
Medium Volt

FEEDBACK SYSTEM

- 3 Microprocessor Controlled 6SENSE Technology with sampling rate above 4,00,000 sense/second
- Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98

LEAKAGE CURRENTS

- RF leakage current
 - Monopolar : < 150 mA rms
 - Bipolar : < 60 mA rms
- Low Frequency leakage currents
 - Normal polarity, intact ground : < 10 μ A
 - Normal polarity, ground open : < 50 μ A

MONOPOLAR COAG : Damped Sine wave 460 kHz
Soft -Repetition Frequency 56 kHz, 120 W at 500 Ω , CF 5.0
Fulgurate LCF -Repetition Frequency 36 kHz, 120 W at 500 Ω , CF 6.0
Fulgurate HCF-Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0
Randomized Spray - Randomized Repetition Frequency
25 kHz < f < 35 kHz, 120 W at 500 Ω , CF 8.3

VESSEL SEALING : Pure Sine wave 440 kHz
Seal - Pulse output mode, 5 level, 150 W at 100 Ω , CF 1.5,
Bip Coag (Standard) - Medium output voltage, 95 W 100 Ω , CF 1.5,
Bip Cut (Macro) - Higher output voltage, 95 W 100 Ω , CF 1.5

PREM SYSTEM
Measuring Frequency : 80 kHz \pm 10 kHz
Measuring current : < 10 μ A
Acceptable Resistance Rang
Dual Area PREM Patient Return Electrode : 5-135 Ω (Adaptive)
Single Area Patient Return Electrode : < 10 Ω

DESIGN STANDARD
Classification according to the EC- Directive 93/ 42/ EEC: Class IIb
General Safety Standards: IEC 60601-1-1, IEC 60601-2-2
EMI/EMC Compatibility Standard: IEC 60601-1-2
IS Safety Standard: IS 7583

INPUT POWER (other ratings available on request)
Operating Voltage : 180-265 Volt AC, 50-60 Hz
Max. Power input : 1000 VA, Fuse : 6 A, UPS Backup : 1.5KVA

DIMENSIONS
L x W x H in cm - 45.0 x 35.5 x 11.5, Weight in kg < 7.5

Note : Unit is available in other HF power ratings on request.

Features of Shalya TURoSeal

Vessel Sealing Mode : Sealing up to 7mm & energy stops with audio indication at completion of sealing cycle.

Saline Resection Mode : Saline Plasma Bipolar Cut & Coag with reusable Bipolar working element & loops.

Bipolar Cut & Coag Mode : Bipolar Coagulation & Cutting of Tissue by Shalya Bipolar Scalpel (Desiccator)

Dual Mono (Optional) : Two Monopolar output channel with independent control over each output for ON & OFF.
both channels work by foot as well as hand control.

6SENSE Technology : Maintain set power over wider range of tissue by Tissue Feedback Technology.

PREM : Patient Return Electrode Monitoring gives an Alarm providing safety against the Return Electrode site burns.

Tissue ReHold Alarm : "CL rEHOLD" (Close Rehold) is given if Insert is closed & "OP rEHOLD"
(Open Rehold) in case of open.

Randomized SPRAY Coag : Homogeneous, superficial, faster Coagulation over larger area.

Self Diagnosis : Ensure the ESU with accessories are safe for functioning & display Error Codes if any.

Upgradability : Argon Beam Coagulation, Ultrasonic Aspirator, Smoke Evacuator, Suction Irrigation module.

User Programmable : THIRTY Surgical Programs help in setting the system after power ON.

BiCoag Alarm : Audio feedback after completion of Bipolar Coag, reduces charring and sticking.

Pulse/Endo Cut : Tissue feedback Pulse Interval controlled Pulse Cut for Polypectomy & Papillotomy.

Remote Power Settings (Optional) : Change mode and power from sterile field by normal Handswitch Pencil.

AutoBip (Optional) : Automatic Start & Stop of Bipolar current by tissue sensing without foot switch activation.

Foot Switches / Pedals : Explosion Proof (Fire Resistance) and Water Proof Foot Pedals

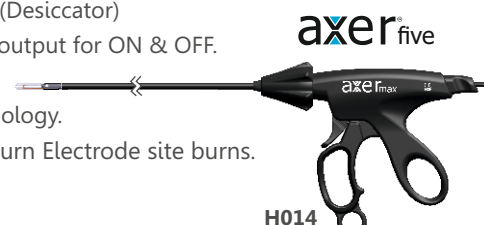
Time Out Function (Optional) : Automatically stops the HF output if prolong unintended activation.

Surgical Applications : Useful for wide range of surgical application as : Plastic, Neuro, ENT, Spine,
Ophthal, Laparo Surgery, Endo, GI, Ortho, Open & General Surgery, Onco, Gynecology, Hernia, GI Endocut,
Papillotomy, Polypectomy, Under Water, Urology, Gynec TCRE, Hysteroscopy, Thoracotomy, Cardio Thoracic.

Vessel Sealing : Laparoscopic / Radical / Vaginal / Abdominal Hysterectomy, Appendectomy, Colectomy, Cystectomy,
Gastric, Bypass, Hemorrhoidectomy, LAVH, Liver Resection, Nephrectomy, Nissen Fundoplication, Splenectomy.

Saline Plasma Bipolar Resection : Bipolar TURP/ TCRE / Hysteroscopy / Arthroscopic Surgery

Shalya Extended Range



Available at:

XAVIER MED PVT. LTD.

16-2-741/9, Andhra Bank Colony,
Rishi Arcade, Moosarambagh, Hyderabad.
Ph: 8008895079, 8008895680, 9849466520

