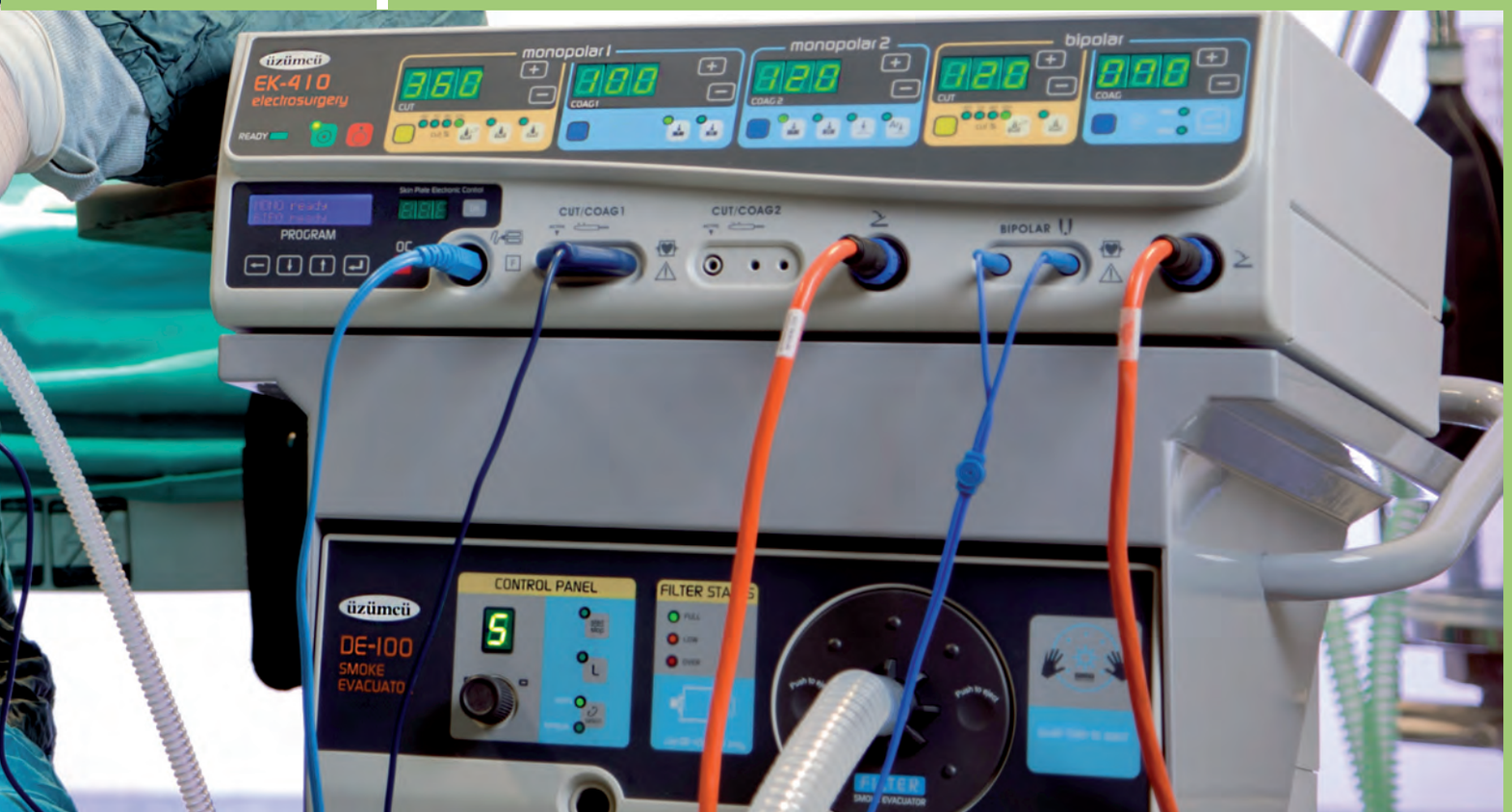

üzümcü


We are better together.
Your patients are under our control
in critical moments.
üzümcü

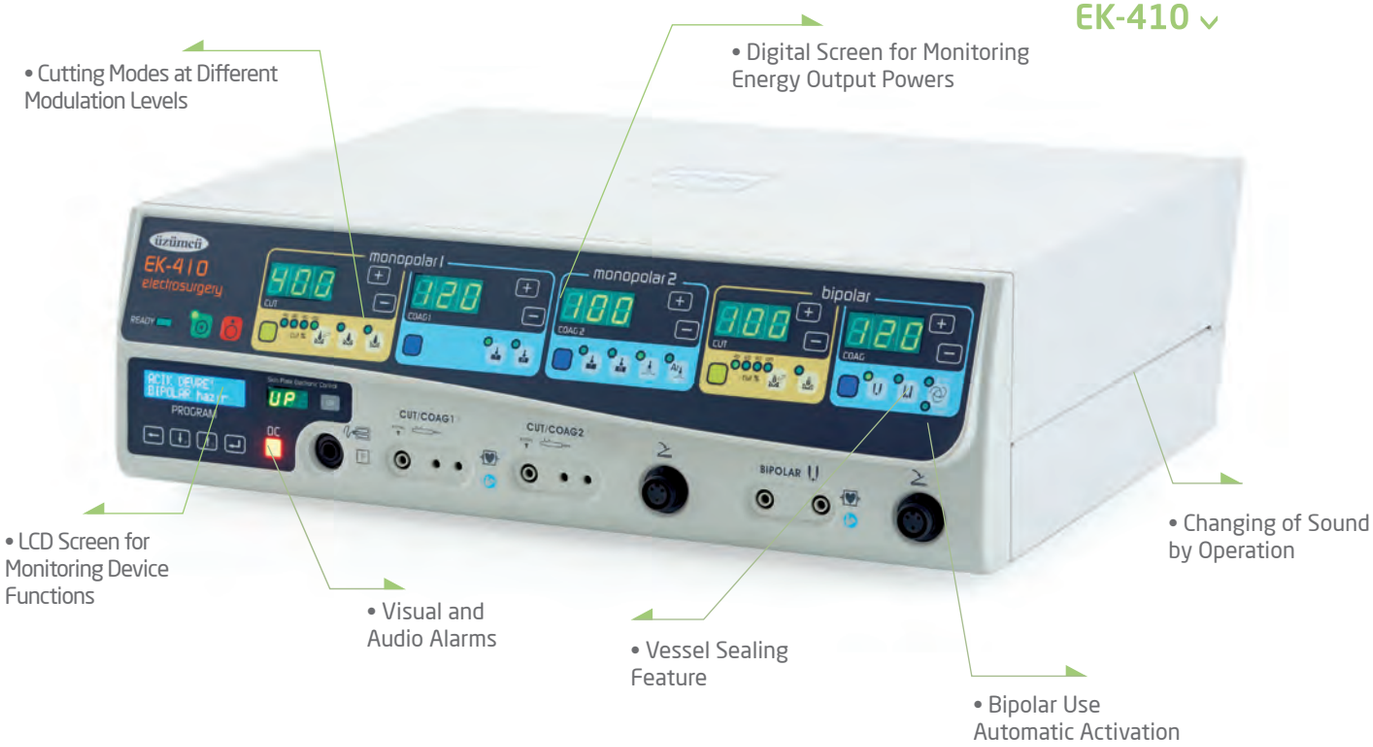
ELECTROSURGICAL DEVICES



ELECTROSURGICAL DEVICES

Üzümcü EK-410 ve EK-250 electrosurgical devices with 400 W and 250 W maximum output power options are devices that can be used in all surgery branches like general surgery, orthopedics, urology, cardiovascular surgery and neurosurgery with high performance and micro operation technology.

EK-410



Technical Specifications

Monopolar	EK-410	EK-250
• Maximum Output Power Pure CUT	: 400 W - 300 Ω	250 W - 300 Ω
• Maximum Output Power Cut-Coag CUT80%	: 300 W - 300 Ω	220 W - 300 Ω
• Maximum Output Power Cut-Coag CUT60%	: 250 W - 300 Ω	200 W - 300 Ω
• Maximum Output Power Cut-Coag CUT40%	: 200 W - 300 Ω	150 W - 300 Ω
• Maximum Output Power Cut ENHANCED	: 250 W - 500 Ω	150 W - 500 Ω
• Maximum Output Power Cut-coag BLEND	: 250 W - 300 Ω	150 W - 300 Ü
• Maximum Output Power Coag SPEEDY	: 120 W - 500 Ω	100 W - 500 Ω
• Maximum Output Power Coag DEEP	: 120 W - 200 Ω	100 W - 200 Ω
• Maximum Output Power Coag SPRAY	: 100 W - 2000 Ω	60 W - 2000 Ω
• Maximum Output Power Coag SPRAY ARGON	: 100 W - 2000 Ω	60 W - 2000 Ω

A.C.: 44.1003

EK-410 / EK-250

EK-250

Technical Specifications

Bipolar	EK-410	EK-250
• Maximum Output Power CUT	: 120 W - 150 Ω	120 W - 150 Ω
• Maximum Output Power Cut-Coag CUT80%	: 100 W - 150 Ω	100 W - 150 Ω
• Maximum Output Power Cut-Coag CUT60%	: 100 W - 150 Ω	100 W - 150 Ω
• Maximum Output Power Cut-Coag CUT40%	: 60 W - 150 Ω	60 W - 150 Ω
• Maximum Output Power Cut-Coag BLEND	: 100 W - 150 Ω	100 W - 150 Ω
• Maximum Output Power Coag COAG	: 120 W - 50 Ω	120 W - 50 Ω
• Vessel Sealing Feature	: 200 W - 50 Ω	200 W - 50 Ω
• Working Frequency Monopolar / Bipolar	: 380 kHz / 525 kHz	425 kHz / 525 kHz
• Selectable Input Voltage	: 115 - 230 V AC / 50-60 Hz	115 - 230 V AC / 50-60 Hz
• Weight	: 18 kg	18 kg
• Dimensions	: 470 x 380 x 150 mm	470 x 380 x 150 mm

A.C.: 44.1002

ELECTROSURGICAL DEVICES 400-W / 250-W

Detailed Specifications

< Cutting & Coagulation Options

- Can be used in all surgery branches like general surgery, orthopedics, urology, cardiovascular surgery and neurosurgery with 400 and 250 W maximum output power options
- Advanced technology with automatic self-test feature at each start up informs the user about device functions
- Blend cutting modes with pure cutting and at 5 different modulation levels
- Wide, Rapid and non-contact coagulation with spray coagulation mode
- Safe hemostasis by superficial and deep contact coagulation modes

< Vessel Sealing Function

- Effective and safe sealing process in laparoscopy, open surgery veins and muscles bundles thanks to the vessel sealing function integrated onto cautery device.

< Failure Record System

- Controlled coagulation by autostart and autostop functions at bipolar mode
- Suitable for synchronized use of two surgeons at monopolar and bipolar modes in multi operations
- Compatibility with foot switch and manual use
- Record system for monitoring failures of device functions or accessories with their codes, recording 99 failures and providing possibility for rapid technical service by monitoring retrospective failures

< Patient Safety System & Memory

- Contact impedance between patient body and return electrode is continuously watced by Skin Plate Electronic Control (SPEC)
- 50 different usage modes can be stored in the memory by pre-programming method, offering possibility for immediate call.

< Argon Coagulation

- If Argon coagulation is needed, ÜZÜMCÜ Argon Plasma Coagulation Device can be easily added to the electrosurgical unit in use.
- Auto-detection of argon coagulator equipment
- Automatic communication with EK-410 and EK-250 electrosurgical devices and activitation by a single cable connection

EK-160

Üzümcü EK-160 Electrosurgical Device is a device designed for minor surgery operations and polyclinic practices with 160 W maximum output power and monopolar and bipolar functions.

Technical Specifications

• Maximum Output Power CUT	: 160 W - 250 Ω	• Working Frequency	: 600 kHz
• Maximum Output Power CUT	: 120 W - 200 Ω	• Selectable Input Voltage	: 115 - 230 V AC / 50-60 Hz
• Maximum Output Power FORCED COAG	: 100 W - 150 Ω	• Weight	: 8 kg
• Maximum Output Power SOFT COAG	: 80 W - 100 Ω	• Mains Frequency	: 50 - 60 Hz
• Maximum Output Power BIPOLAR	: 60 W - 100 Ω	• Dimensions (WxLxH)	: 254x288x104 mm

Cutting & Coagulation Types (EK-410 and EK-250)

60 70 80 100 cut %

Monopolar Cutting
Pure cutting by monopolar handle and blend cutting at 60%, 70%, 80% modulation levels

Superficial Blend Cutting
Superficial blend cutting in which cutting function is executed with coagulation function

Deep Blend Cutting
Deep blend cutting in which cutting function is executed with coagulation function

Monopolar Superficial Coagulation
Superficial coagulation in which electrode contacts with tissue

Monopolar Deep Coagulation
Deep coagulation in which electrode contacts with tissue

Spray Coagulation
Spray coagulation in which electrode has no contact with the tissue, micro bleedings are immediately controlled

60 70 80 cut %

Bipolar Cutting
Blend cutting executed by bipolar forceps, pure and at 60 %, 70 %, 80 % modulation levels

start stop select

Coagulation With Bipolar Automatic Activation
Controlled coagulation by automatic start/stop function in bipolar coagulation

Bipolar Coagulation

Ar

Argon Coagulation
Spray coagulation in which micro bleedings are immediately controlled

Vessel Sealing
Vessel sealing function in laparoscopic and open surgeries

ELECTROSURGICAL DEVICES

VELA - WITH SURGICAL SUCTION ELECTROSURGICAL DEVICE

- Special design extending the usage area of operation theatres by positioning Üzümcü electrosurgical device and surgical suction on an ergonomic, flexible high and stylish stand.
- Easy use by positioning the product groups of electrosurgical device and surgical suction used in electrosurgery nearest and most functional to the surgical area.

A.C.: 44.1086

VELA - WITH SMOKE EVACUATOR ELECTROSURGICAL DEVICE

- Special design extending the usage area of operation theatres by positioning Üzümcü electrosurgical device and DE-100 smoke evacuator on an ergonomic, flexible high and stylish stand.
- Easy use by positioning the combined electrosurgical device and smoke evacuator set freely nearby the surgery area.

A.C.: 44.1087

Detailed Specifications

< Surgical Smoke Discharge

- Contribution to protecting medical personnel's health by evacuating smoke, smell and particles occured during electro surgery
- Smoke discharge system automatically runs when the electrosurgical device is started by synchronizing electrosurgical device and smoke evacuator by radio frequency technology

< Smoke Evacuator General Specifications

- Selection feature for low or high vaccuum
- Electrosurgical handle mountable smoke discharge hose
- Filter lifetime indicator
- 9-phase suction adjustment
- Smoke evacuator carbon filter
- Optional manual use

< Surgical Area Visibility

- Increased surgical area visibility by rapid suction of blood and body fluids during surgical operations
- 2 pieces of 2x3 Lt autoclavable collecting jars

< Surgical Suction General Specifications

- 60 L/Min air flow rate
- 680 mmHg suction
- Overfilling system for preventing overflow and liquid leakage to pump
- Jar switch lever
- Scaled, sterilizable, 3-liter plastic and disposable collecting jars are easily transfered to the cleaning area.

ARGON PLASMA COAGULATOR EK-55A

Üzümcü EK-55A argon plasma coagulator is a device used with argon-compatible electrosurgical devices, with less surgical smoke and tissue damage for immediate and effective coagulation.

Technical Specifications

• Flow Regulation	: 2,0 - 10 L/min
• Max Inlet Pressure	: 3,0 bar
• Input Voltage	: 90 - 240 V AC / 50-60 Hz
• Weight	: 8 kg
• Dimensions	: 470 x 400 x 150 mm

A.C.: 44.1006

Standard Accessories

Disposable Pencil

Reusable Pencil

Electrodes

Bipolar Penset and Cable

Patient Plate and Cable

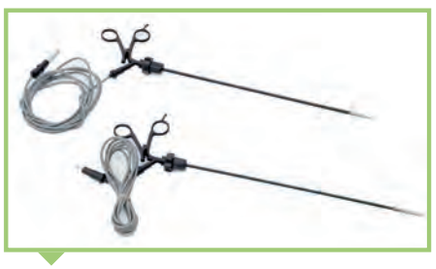
Foot Pedal

Optional Accessories

Long Electrodes

Electrodes

Bipolar Pensets



Vessel Sealing Laparoscopic Instruments

Vessel Sealing Open Surgery Instruments

Laparoscopic Cable

CRYOTHERAPHY DEVICE

Üzümcü Cryotheraphy Device offers theraphy by benefiting from cryogenic effects of nitrogen and carbondioxide gases in surgical areas like gynecology, dermatology and proctology with different probe options anaesthesia and surgical incision free.

Standard Probs

Gynecology

J01 J02 J03

Optional Probs

Proctology

P01 P02 P03 P04 P05

Optional Probs

Dermatology

C01 C02 C03 C04 C05

A.C.: 44.1064

KRY-10S

Detailed Specifications

< Probe Options

- Common use facility in surgical areas like gynecology, dermatology and proctology with different probe options offered as standard and optional

< Immediate Effect

- Decreasing the probe temperature to -70 degrees within 10 seconds at the moment the trigger is pulled , increasing the probe temperature to room temperature within 6 seconds as soon as the trigger is released

< Pressure Adjustment

- Manometer for adjusting and monitoring the tube pressure

< Carriage & Positioning

- Suitability for use in any kind of examination and enivronment with tube carrying stand and flexible castor