CHAXU+™
ADVANCED MICS
PLATFORM

DESIGNED FOR
EFFICIENCY
Automatic Electric IV Pole

ConstIQ™ Fluidics System

10.2" TFT Display with Touch Screen Intuitive Graphical Interface for user Control

Wireless Remote Control

XI Stack Dual HES Programmable Foot Pedal

28 Different Phaco Modulations For Reduced Energy Delivered for Eye
**Fleecy™ PHACO MODE:**
Fleecy Phaco Mode further reduces phaco energy compared to traditional phaco power with no compromise on emulsification. Fleecy phaco mode enhances follow-ability, hold-ability and chamber stability with lesser turbulence and chatter of nucleus fragments. It is available in all phaco power modulations.

**CONIC™ PHACO MODE:**
Conic Phaco mode will benefit beginners as well experienced Phaco surgeons in same manner. Paraconic and Hyperconic are two options in conic phaco mode. In Paraconic mode, Phaco energy will increases in parabolic shape on footpedal press, so having more control on Phaco power with safer side. But if more phaco power required the surgeon will get on pressing footpedal further. In Hyperconic mode, phaco energy will increases in hyperbolic shape on foot pedal press, so having good power delivery on slight pressing of footpedal. In Conic Phaco mode the phaco power rises more gradually compared to linear power. Conic Phaco modes are available in Linear, Pulse, Micro Pulse, Hyper pulse and Auto Pulse.

**TITA HEX™:**
The Chaxu+ Advanced MICS platform is equipped with the phaco handpiece called ‘Tita Hex’, which is unique six crystal technology with frequency of 28.5 KHz. Its low frequency and continuous tuning offer low Cavitations, less Turbulence in anterior chamber, easy emulsification of hard nucleus and excellent post operative corneal optical quality.

**CONSTIQ™ FLUIDICS SYSTEM:**
ConstiQ is closed fluidic system with unique vacuum measurement technology. There is no any movement of diaphragm or stud during vacuum measurement. No fluid required by cassette on occlusion break, which enhance chamber stability even at higher vacuum settings. Its air free aspiration line also induces chamber stability and real time vacuum delivery.
**CONSOLE**
- Dimensions (W x H x D) 10 x 12 x 7.5 inches
- Weight 5.6 Kg approx.

**FOOTPEDAL**
- Dimensions (W x H x D) 10 x 10.5 x 5 inches
- Weight 2.5 Kg approx.

**DIATHERMY**
- Bipolar wet-field coagulation
- Operating frequency 560 KHz.
- Electrical power 10 W at 100 E
- Diathermy power 5-100% in 5% increments
- Linear and panel power mode
- Output short circuit protected

**INFUSION**
- Automatic electrical I/V pole
- Automatically regulates bottle height according to set value
- Bottle height from 30 to 90 cm

**ASPIRATION**
- Peristaltic pump
- Vacuum level 5-600 mmHg in 5 mmHg increments
- Pump flow 1-50 cc/min in 1 cc/min increments
- Linear, panel and pulse mode for aspiration
- Pulsed aspiration to attract fragments towards aspiration port
- Audio feedback for irrigation, aspiration and occlusion

**PHACOEMULSIFICATION**
- Frequency 28.5 KHz
- Six crystal titanium handpiece
- Stroke length 120 micron max
- Monitors effective as well actual phaco time
- Phaco power 5-100% in 5% increments
- Independently adjustable vacuum and flow limits

**Phaco Modulations**
- Linear, Pulse,
- Micro Pulse (1-100 pulses/second, 10-90% duty cycle)
- Auto Pulse (Linear to Pulse and Pulse to Pulse conversion)
- Hyper Pulse (Settable pulse on and off time)
- Hyper Burst (4-600 ms burst width, 10-90% power)
- Auto Burst (Linear to Burst and Pulse to burst conversion)
- Multi Burst (Settable burst on and off time)
- Single Burst, Panel Phaco power

**VITRECTOMY**
- Pneumatically driven guillotine type
- Internal compressor
- 30-750 cuts/min in 30 cuts/min increments
- Controlled in linear, panel and single cut mode
- Independently adjustable vacuum and flow limits

**ELECTRICAL SPECIFICATIONS**
- Supply voltage 90-265 V AC, 50-60 Hz
- Power consumption 100 W max
- Mains fuse 2 Amps, 250 V