CHAXU™
MICRO INCISION CATARACT SURGERY SYSTEM

www.medisonicindia.com
Our Company

Our company was set up in the year 1992, as a proprietary concern with the prime objective of designing and developing electronic equipments suitable for various applications. Very soon it became a trusted name as the products were manufactured with precision and were passed through stringent quality control checks. This towering accomplishment was the inspiration for the formation of a Pvt. Ltd. company from a proprietary concern. Thus Medisonic Equipments Pvt. Ltd., was registered under the Indian Companies Act.

Strengths

› Technical skills include wide spectrum of technologies
› Ingenious test methods developed over a decade
› Re-engineering methodologies to overcome obsolescence
› Company directed & run by engineering professionals

Quality Policy

Medisonic is committed to provide technologically superior products and high quality service to achieve total customer satisfaction.

Chaxu Peristaltic Pump

› Pulse free aspiration
› Ideal for high vacuum Phaco
Objective

- To continually develop engineering ingenuity and expertise resulting in better success rate
- To maintain active and regular interaction with customers through dialogue and feedback
- To cater to the requirements of our valued clients in the best possible manner

about CHAXU™

With many years' experience of design and manufacturing, Medisonic brings Chaxu. The most advanced Micro Incision Cataract Surgery System with micro-controller based peristaltic suction. It offers high-end performance in a small console. This is the only system of its kind in the market having all features in space saving package.

Chaxu Features

- World's Most Compact & Advanced
- Micro Incision Cataract Surgery System
- 5.7" TFT Display with Touch Screen
- User Friendly Controls, Easy to Operate
- Adjustable Pulse Width Enables Cold Phaco
- Micro Pulse and Hyper Burst Phaco Modes
- Light Weight Four Crystal Titanium Phaco Handpiece
- Dual Linear Multi Functional Foot Pedal
- Software Controlled Surge Suppression System
- Custom Programs up to 15 Users
- Prompt Voice Feedback

Chaxu Phaco Handpiece

- Indigenously developed
- Light Weight Four Crystal Titanium
- Maintain constant power irrespective of load condition

Chaxu Footpedal

- Multifunctional
- HES Technology
- Dual Linear (Optional)

Chaxu Tubing Set

- High-Vac Tubing for excellent chamber stability
- Reusable

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Chaxu Specifications

- **Irrigation**
  - Gravitational. Regulated by bottle height from 30 to 90 cm.

- **Aspiration**
  - Peristaltic pump
  - Vacuum 5-500 mmHg in 5 mmHg increments
  - Pump flow 1-40 cc/min in 1 cc/min increments
  - Linear and panel mode for vacuum and aspiration
  - Audio feedback for irrigation, aspiration and occlusion

- **Phacoemulsification**
  - Frequency 29 KHz
  - Four crystal titanium handpiece
  - Stroke length 100 micron max.
  - Phaco power 5-100% in 5% increments
  - Monitors effective phaco time
  - Independently adjustable vacuum and flow limits
  - Phaco modes: Linear, Pulse, Auto Pulse, Micro Pulse (1-100 pulses / second, 10-90% duty cycle), Hyper Burst (4-600ms burst width), Auto Burst and Panel Phaco power

- **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
  - Output short circuit protected

- **Vitrectomy**
  - Pneumatically / Electrically driven guillotine type
  - 60 to 600 / 1200 cuts/min in 60 cuts/min increments
  - Controllable in linear and panel mode
  - Independently adjustable vacuum and flow limits

- **General**
  - Dimensions (W x H x D) 200 x 240 x 140 mm
  - Console weight 3 Kg approx.
  - Foot pedal weight 1.5 Kg approx.
  - Supply voltage 90 – 265 V AC, 50-60 Hz
  - Power consumption 90 W max

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MEDISONIC EQUIPMENTS PVT. LTD.

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