

Specifications IPL with Q-Switched ND:YAG for Skin treatments

- Should Be an IPL on Upgradeable Platform for 1565nm Non Ablative Fractional Resurfacing Module or Long Pulsed ND: YAG or Q-Switched ND: YAG
- Should Have Broad Wavelength Spectrum From 400-1200nm
- Should Have Universal Hand piece With 7 Changeable Expert Filters of 515, 560, 590, 615, 640, 695, 755nm
- Should Have Energy Density of 10-56 J/cm²
- Should Have Pulse Duration of 4-20ms & Pulse Delay of 5-150ms
- Should Have Repetition Rate Up-to 1Hz
- Should Have Continuous Contact Cooling
- Should Have 2 Spot Sizes 35X15mm², 15X8mm²
- Should Have Optimum Pulse Technology (OPT) With Multiple Sequential Pulsing (MSP) With adjustable Delay Time In Pulse

Platform Should Have Q-Switched ND: YAG Module

- QS ND: YAG Should Have Wavelength 1064nm
- QS ND: YAG Should Have Fluence 1.6-14 J/Cm²
- QS ND: YAG Should Have Pulse Duration 6-8nsec
- QS ND: YAG Should Have Repetition Rate 0.5-5.0 Hz
- QS ND: YAG Should Have 7 Spot Size 2, 2.5, 3.5, 4, 5, 6 & 8mm
- QS ND: YAG Should Have Pulse Characteristic Top-Hat
- Should Be a Portable Laser Equipment
- Should Have Self-Contained, Closed Cycle Cooling System
- Should Have Pre Programmed Treatment Parameters
- Should Be US FDA Approved
- Should Have CE, UL, CSA Standards
- Should Be Supplied One Online Ups of 3 KVA
- Should Be Supplied With Operator , Patient Safety Goggles and lead shields for the eyes.
- Manufacturer Should Have Their Direct Presence in INDIA for after Sales Service & Support

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Specifications for PDL Laser for Vascular malformations (V Beam)

Laser Type	Pulsed Dye	
Wave length	595 nm	
Pulse	0.45-40 ms	
Spot Sizes (diameter) with maximum energy	3 mm - 40 J/cm ² 5 mm - 30 J/cm ² 7 mm - 20 J/cm ² 10 mm - 10 J/cm ²	12 mm - 7 J/cm ² 3x10 mm - 25 J/cm ² 7 mm PL - 15 J/cm ² 10 mm PL - 10 J/cm ²
Beam Delivery	Lens-coupled 3 m optical fiber with handpiece	
Pulse Control	Finger switch, foot switch	
Dimensions	43" H x 16" W x 30" D (109 cm x 40 cm x 76 cm)	
Weight	290 lbs. (132 kg)	
Electrical	230 V 50/60 Hz, single phase, 18A	


Dynamic Cooling Device

Integrated controls, cryogen container and handpiece with distance gauge

Cryogen	HFC 134a
DCD Spray Duration	User adjustable range: 20-100 ms
DCD Delay Duration	User adjustable range: 10-100 ms
DCD Post Spray Duration	User adjustable range: 0-50 ms

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Electrical digital display pneumatic tourniquet

Department of Plastic Surgery needs 3 numbers of Electrical Digital Display pneumatic Tourniquet for use in limb surgery.

Specifications:

1. The tourniquet used for limb surgery should have microcomputer controlled digital display of the pressure and the time
2. Easy operation and setting with Pressure range 0-100kpa
3. The Voltage compatible :220V/50HZ
4. Time range:0-120min \pm 15
5. Pressure control accuracy: \pm 3kpa
6. Working environment temperature:4~40°C
7. In case of sudden power failure, it should keep the pressure for 2 hours.
8. With pressure leakage automatic compensation function can be set to a constant pressure working value.
9. The model should be able to inflate two cuffs for two surgeries at the same time.
10. Automatic memory of the last operation parameters for the next operation, or as a basic parameter, it saves time.
11. When the working pressure exceeds the range, it has audible and light alarm prompt and operative time remaining 10 minute, 5 minute, 1-minute alarm.
12. Standard tourniquet cuff with cotton fabric should not hurt the skin. At the same time, high temperature and high-pressure silicone liner of tourniquet cuff can be optional.
13. The components

1. tourniquet : 1 set
2. tourniquet cuff : 1 set (small, middle, big)
3. power cable : 1 piece
4. fuse
6. operating manual : 1
7. certificate of qualification : 1
8. Easy to move stand with wheels

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QR FOR POWER ASSISTED LIPOSUCTION MACHINE

1. Should have separate reusable and Sterilizable Power Assisted Surgery Handle with 2 mm reciprocating movement @ 4000 cycles per minute.
2. Should have Electric Control Unit Compatible with all accessories like Micro motor, Modular / Unitized Surgical Hand Pieces.
3. Electric console should have pedal foot control operating option.
4. The control box should have compatibility of attaching 2 hand pieces together to work & they should work independently.
5. The equipment Should operate on 220 volt.
6. Should have Speed Control knob in Control Box & Hand Piece Separately.
7. Hand Piece should have safety device to avoid accidental running.
8. The hand pieces cables & modular attachment should be autoclavable.
9. Should not require special pump for suction.
10. The power control system should accep dual hand piece cable to run accessories like Micro motor, Modular / Unitized Surgical Hand Pieces.
11. The instrument should not generate any heat during procedure.
12. The cannula should be of stainless steel & reusable with Auto cleavable.
13. Foot Switch Attachment Optional
- 14 Accepted dual hand piece
15. High-grade stainless steel cannula manufactured in the U.S. A. available in multi-use or single use styles
16. The whole power assisted liposculptor should be placed in one sterilization tray



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QR FOR SMALL BONE POWER TOOLS
MICRO DRILL & SAW

1. ELECTRIC INSTRUMENT CONTROL CONSOLE

1. Runs two handpieces simultaneously.
2. Touch screen control
3. Compatible with PAL Hand Piece .

2. 5006-5000 ELECTRIC CABLE

1. Connecting cable for Instruments

3. SMALL BONE SYSTEM ELECTRIC MOTOR

1. Powered by the Electric Instrument Control Console
2. Variable speed throttle
3. Modular attachments for various Drill & Saw module

4. RECIPROCATING SAW MODULE

1. Operating speed: 16000 CPM
2. Powerful, quick cutting reciprocating saw
3. Oral and maxillofacial surgery
4. Shaping, contouring and preparing intramedullary canals of small bones

5. MICRO SAGITTAL SAW MODULE

1. Operating speed : 30000 CPM
2. Sagittal saw module provides the ultimate in control, power & maneuverability
3. Transverse or wedge osteotomies
4. Accepts a variety of ultra thin .3 mm straight, angles, bent or offset blades

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6. OSCILLATING SAW MODULE

1. Operating speed: 30000 CPM
2. For use with Microaire Series 5000 motor module

Accepts Microaire ZO series small oscillating blades

7. MICRO DRILL MODULE

1. Operating Speed: 30000 RPM
2. The work horse of small bone surgery
3. sculpting, drilling and reaming intramedullary canals for small bones
4. Built in medium length bur guard
5. Long and extra long bur guards available

8. DUAL TRIGGER (K WIRE DRIVER HAND PIECE)

Dual Trigger Coupler

1. Coupler (0.7mm - 1.6mm)
2. Coupler (1.7mm - 3.2mm)

9. STERILIZATION CASE



1. **SKIN GRAFT KNIFE (HUMBY KNIFE)**

~~(Make: Aesculap)~~  : 5 Numbers

Good quality Instrument to harvest broad sheets of Skin.

2. **Electrical/ Battery operated dermatome: 1 Number**

Electrical/Battery Operated Skin graft Harvesting Machine which can be used in areas where Humby knife can not harvest.

Specifications:

It should be an electrically-powered/ Battery operated surgical skin grafting instrument.

If it is battery operated then it should be lightweight design which offers optimum manoeuvrability and mobility

Battery and motor of the instrument are not sterilized to guaranteeing optimum durability.

Precise thickness of the graft from 0.0 to 1.2mm (0.000-0.048") in 0.1mm (0.004") increments.

Should be able to harvest Individual graft widths of 1 in., 1.5 in., 2 in., 3 in. and 4 in. (2.5 cm, 3.8 cm, 5.1 cm, 7.6 cm, 10.2 cm) with different width plates or with reducers.

The plates reducers should be easily fastened and removed with the screwdriver.

The product should be European CE marked.

The dermatome is powered by an ironless rotor, low inertia motor, which provides nearly vibration-free power.

Electrical: Power Requirements: 100-240 V~ (Auto Switching; 150 VA, 50/60 Hz;

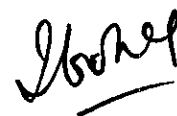
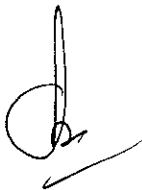
Single Phase; Power Output: 14.5 V , 4.3 A Maximum ;

Protection Class: Class 1; Degree of Protection Against Electrical Shock: Type BF II.

Vibration and Shock: Standard Commercial Practice;

Nominal Speed: 4,500-5,500 cycles/minute

It should be supplied with case for autoclaving



3. CRANIO MAXILLARY FIXATION SET

Sl. No.	Product	Quantity
1.	Arch Bar Cutter	5
2.	Wire twisting forceps	5
3.	Trans buccal device with trocar and cheek retractor	5
4.	Self-Holding screwdriver 1.5 mm;	5
5.	Self-Holding screwdriver 2mm	5
6.	Self-Holding screwdriver 5mm	5
7.	Wire cutter	5
8.	Mesh cutter	5
9.	Plate cutter	5
10.	Bone elevator	5
11.	Depth gauge	5
12.	Ordinary screwdriver 1.5 mm	5
13.	Ordinary screwdriver 2mm	5
14.	Ordinary screwdriver 2.5mm	5
15.	Cross driver with sleeve 1.5 mm	5
16.	Cross driver with sleeve 2 mm	5
17.	Cross driver with sleeve 2.5 mm	5
18.	Cross driver without sleeve 1.5mm	5
19.	Cross driver without sleeve 2mm	5
20.	Cross driver without sleeve 2.5mm	5
21.	Cross head screwdriver with Coupling handle screwdriver shaft 1.2 mm	5
22.	Cross head screwdriver with Coupling handle screwdriver shaft 1.5 mm	5
23.	Cross head screwdriver with Coupling handle screwdriver shaft 2 mm	5
24.	Cross head screwdriver with Coupling handle screwdriver shaft 2.5mm	5
25.	Ultra- lock screwdriver shaft	5
26.	Mini bone drill	5
27.	Plate holding forceps	5
28.	Counter sink plate holding fork	5
29.	Wire twister	5
30.	Aufricht nasal retractor	5
31.	Plastic cheek retractor	5



4. DISTRACTION OSTEOGENESIS SET for craniofacial skeleton and fingers

Sl. no	Product	quantity
1.	Intra oral mini distractor for mandible	5
2.	Intra oral mini distractor for alveolar	5
3.	Intra oral mini ramus distractor	5
4.	Activator for distractor	5
5.	External mandible distractor	5
6.	External fixator for finger 1.5x3cm	5
7.	External fixator for finger 2x4cm	5
8.	External mandible distractor bidirectional	5

5. MICROVASCULAR INSTRUMENT SET

Sl.no	Product	Quantity
1.	Micro Scissors with round handle with blade length 7mm (straight)	5
2.	Micro Scissors with round handle with blade length 7mm (curved)	5
3.	Micro Scissors with round handle with blade length 10mm (straight)	5
4.	Micro Scissors with round handle with blade length 10mm(curved)	5
5.	Micro Scissors with round handle with blade length 15mm (straight)	5
6.	Micro Scissors with round handle with blade length 15 mm (curved)	5
7.	Micro vascular scissors with blade length 12 mm (25 degree)	5
8.	Micro vascular scissors with blade length 12 mm (45 degree)	5
9.	Micro vascular scissors with blade length 10 mm (25 degree)	5
10.	Micro vascular scissors with blade length 10 mm (45 degree)	5
11.	Micro vascular scissors with blade length 8 mm (25 degree)	5
12.	Micro vascular scissors with blade length 8 mm (45 degree)	5
13.	Micro forceps with round handle and counter balance 150mm straight	5
14.	Micro forceps with round handle and counter balance 150 mm curved	5




15.	Micro forceps with round handle and counter balance 150 mm DeBakey	5
16.	Micro forceps with round handle and counter balance 210mm straight	5
17.	Micro forceps with round handle and counter balance 210 mm curved	5
18.	Micro forceps with round handle and counter balance 210 mm DeBakey	5
19.	Micro forceps with round handle and counter balance 250mm straight	5
20.	Micro forceps with round handle and counter balance 250 mm curved	5
21.	Micro forceps with round handle and counter balance 250mm DeBakey	5
22.	Micro needle holder with round handle without catch 7-0 120mm straight	5
23.	Micro needle holder with round handle without catch 7-0 120mm curved	5
24.	Micro needle holder with round handle without catch 7-0 160mm straight	5
25.	Micro needle holder with round handle without catch 7-0 160 mm curved	5
26.	Micro needle holder with round handle without catch 7-0 210mm straight	5
27.	Micro needle holder with round handle without catch 7-0 210mm curved	5
28.	Micro needle holder with round handle without catch 5-0 120mm straight	5
29.	Micro needle holder with round handle without catch 5-0 120mm curved	5
30.	Micro needle holder with round handle without catch 5-0 160mm straight	5
31.	Micro needle holder with round handle without catch 5-0 160 mm curved	5
32.	Micro needle holder with round handle without catch 5-0 210mm straight	5
33.	Micro needle holder with round handle without catch 5-0 210mm curved	5
34.	Vessel clips with closing force 30g straight	5
35.	Vessel clips with closing force 50g straight	5
36.	Vessel dilator straight tip 5 inch	5
37.	Vessel dilator angulated tip 5 inch	5

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