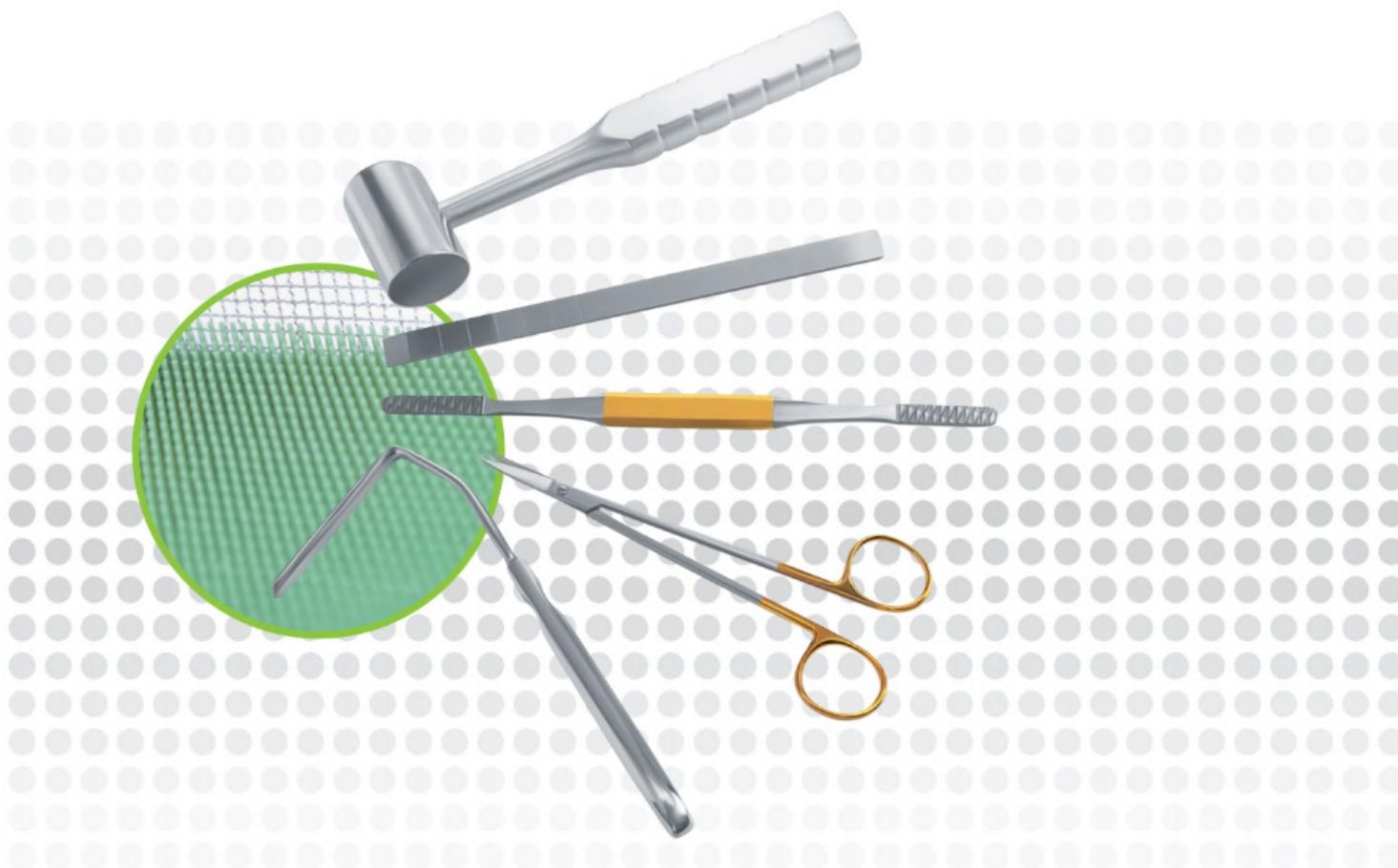


MAKTRONIC MEDICAL LLP



PLASTIC SURGERY CATALOGUE 2025



MAKTRONIC MEDICAL LLP

3, Retiwala Indl. Est., Harish Arjun Palav Marg, Chinchpokli X Lane,
Byculla, Mumbai - 400 027. • Tel. : 2373 2271 / 2370 2278
Tel. : 98200 09043 • E-mail : mektronic_co@yahoo.co.in

MAKTRONIC MEDICAL LLP

SERVICES

Our services extend beyond our products. No doubt we are duty bound to offer after Sales Services for all products Manufactured by us and we have been continuing to do so over the past several years.

However many of our Doctors, Hospitals & Institutions have Instruments which are lying with them in the dead-stock as a result of lack of Service from the Sellers or Suppliers. We are extending our Repair - Maintenance Services to them, so as to salvage these instruments, and save valuable amount, as a mark of our good will gesture. Please feel free to contact us as the pleasure to serve will be ours.



MAKTRONIC MEDICAL LLP

3, Retiwala Indl. Est., Harish Arjun Palav Marg, Chinchpokli X Lane,
Byculla, Mumbai - 400 027. • Tel. : 2373 2271 / 2370 2278
Tel. : 98200 09043 • E-mail : mektronic_co@yahoo.co.in

PLASTIC SURGERY

INSTRUMENT WITH SPECIFICATION

Sr. No.	NAME	Page No.
1	DIGITAL TOURNIQUET	1
2	EVAC SYSTEM	2
3	WOUND DEBRIDEMENT LAVAGE	3
4	AIR COMPRESSION THERAPY SYSTEM - DVT	4
5	LIPO INFILTRATOR	5
6	LIPO SUCTION	6
7	POWER ASSISTED LIPO	7-8
8	FAT TRANSFER	9
9	DERMATOME	10
10	DIGITAL CAUTERY SYSTEM	11-12
11	COLORADO TIP	12
12	SKIN GRAFT MESHER SYSTEM	13
13	PATIENT WARMER	14
14	MINI SAW	15
15	MINI K WIRE	16
16	HIGH SPEED BURR	17
17	TELESCOPE & SHEATH	18
18	HD CAMERA	19
19	LED LIGHT SOURCE	20
20	RHINOPLASTY	21
21	BREAST RETRACTOR	22
22	SILICON ROD	23
23	MAGNETIC MAT	23
24	IMPLANTS	24-31

DIGITAL TOURNIQUET

CONSOLE :



CUFF (SET OF FIVE) :



SPECIFICATION :

- ◆ Automatic Pressure Maintaining System.
- ◆ Quick Pressurization To Cuff.
- ◆ Alarm Setting For Time Out, Pressure High, Pressure Low.
- ◆ Battery Backup Four Hours.
- ◆ The Cuff Pressure Does Not Release On Power Failure.
- ◆ Online Increase And Decrease Cuff Pressure.
- ◆ Manual Pressure Facility Available.
- ◆ Cuff Pressure Range 10mmhg To 430mmhg.
- ◆ Timer Range Set 9 Hours To 59 Minutes.
- ◆ Internal Least Count One Minutes, Internal 1/1000 Second.
- ◆ Memory Pressure Set In Earlier Session Is Stored And Displayed, When Machine Is Switched On Again.
- ◆ Power Supply 230v(ac).

ACCESSORIES :

- ◆ Console
- ◆ Silicon Cuff Set Of Five: -
 - 1) Large
 - 2) Big
 - 3) Medium
 - 4) Small
 - 5) Pediatric

EVAC SYSTEM

(Electronic Vacuum Assisted Closure)



SPECIFICATION :

- ◆ Machine operated on battery as well as mains.
- ◆ Continuous as well as Intermittent mode.
- ◆ Vacuum range from -10 to -200 mmHg.
- ◆ Open cell porous structure foam to assist tissue granulation.
- ◆ Visual and audio alarm, for leakage in system.
- ◆ Safety one way valve to ensure patient mobility.

SWITCHES :

- ◆ Vacuum Section
- ◆ Mode Selection - Continuous Mode And Intermittent Mode.
- ◆ Timer Section - Set Timer- To Set Value Of Timer.
- ◆ Timer Will Be Activated In Mins, From 5 To 30, At Jump Of Five.
- ◆ Timer - To Increment/decrement The Set Value Of Timer.
- ◆ Alarm Reset - To Reset The Alarm.
- ◆ Green Led Glowing Indicates That System Is Working In 230v Mains.
- ◆ Red Led Glowing Indicates That System Is Working On Internal Rechargeable Battery

EVAC DRESSING KIT:

- ◆ Open Cell Porous Black Foam
- ◆ 5/10 Silicon Tube
- ◆ Filter
- ◆ Suction Canister
- ◆ 3/7 Silicon Tube, 3 Meters Long
- ◆ Safety One Way Valve
- ◆ Single Sided Foam Tape
- ◆ Suction Cap

ACCESSORIES WITH EVAC MACHINE :

- ◆ Power Cord
- ◆ Spare Fuse 5a
- ◆ Evac Kit

WOUND DEBRIDEMENT LAVAGE



Pulse lavage, also known as pulsatile lavage, is a medical procedure using a device to deliver a pulsating stream of sterile fluid to clean and irrigate wounds or surgical sites. This technique helps remove debris, infectious agents, and surface pathogens, promoting healing. It's used in various settings, including wound management, orthopedic and trauma surgeries, and even forensic science.

SPECIFICATION :

- ◆ Irrigation pressure electronically controlled.
- ◆ Autoclavable and reuseable tubes of medical grade silicon.
- ◆ Complete sterility is maintained.
- ◆ Easy loading of tubes in the machine.
- ◆ Foot control operated machine.
- ◆ Easy loading of tube in the pump
- ◆ Four types of irrigation possible
- ◆ Inbuilt fuse and voltage control rectifier
- ◆ Power supply 230 VAC 50Hz, $\pm 10\%$

ACCESSORIES :

- ◆ Mains cord
- ◆ Silicon tubing set
- ◆ Tube to tube connector
- ◆ Puncture needle
- ◆ Suction irrigation cannula
- ◆ Shower cannula
- ◆ Straight jet
- ◆ Side jet
- ◆ Single pedal footswitch

AIR COMPRESSION THERAPY SYSTEM

DVT



DVT CUFF



SPECIFICATION :

As Pioneers of Intermittent Pneumatic Compression (IPC) Therapy, Maktronic Medical LLP Pleased to offer a Comprehensive Range of Products. IPC System are Designed to assist Blood and Fluid flow which has been Inhibited through Impairment or Injury. Different systems are available which prevent, Manage or treat a variety of Vascular and Lymphatic conditions including Oedema, Vascular Insufficiency and Vein Thrombosis. It Is very useful after 'Total Knee Replacement'.

The basis of each system is the application of a controlled Inflation / Deflation sequence of external pressure on a limb, by the delevert of compressed air into specially designed garments, compression therapy reduces the effect of stasis by mimicking the pumping action of muscles - Thus encouraging fluid transfer from the Interstitial spaces into the vascular system milking mode helps in mimicking natural blood flow. IPC Therapy has the advantages of being simple, safe, non-invasive and both patient and user friendly. Cuffs can accommodate obese patients of different builds.

FEATURES:

- ◆ Two modes of operation
- ◆ Sequential Inflation & Deflation" and "Milking Mode".
- ◆ Settable Pressure 10mm Hg 200mm Hg
- ◆ Settable Frequency For Inflation and Deflation 0-99 Sec.
- ◆ Settable total time for therapy 99min.
- ◆ Built In compressor
- ◆ Easy to operate.
- ◆ Totally Digital and Microprocessor based.
- ◆ For separate outlets.

ACCESSORIES :

- ◆ Tube
- ◆ DVT Cuff

LIPO INFILTRATOR



A Lipo Infiltrator, also known as an Infiltration Pump, is a device used during Liposuction procedures to administer a tumescent solution into the subcutaneous fat. This solution helps to numb the area, constrict blood vessels, and facilitate fat removal.

SPECIFICATION :

- ◆ Irrigation pressure electronically controlled.
- ◆ Autoclavable and re-useable tubes of medical grade silicon.
- ◆ Complete sterility is maintained.
- ◆ Easy loading of tubes in the machine.
- ◆ Foot control operated machine.
- ◆ Easy loading of tube in the pump.
- ◆ Inbuilt fuse and voltage control rectifier.
- ◆ Power supply 230 VAC 50Hz, $\pm 10\%$.
- ◆ No back flow liquid.

FLOW CONTROL :

Once the system is connected and ready to use, speed is used to increase or decrease the rotational speed of the pump, thus controlling the flow. Speed variation must be between 0 to 100 rpm.

ACCESSORIES :

- ◆ Mains cord
- ◆ Silicon tubing set fully autoclavable, re-usable
- ◆ Tube to tube connector
- ◆ Puncture needle
- ◆ Longlasting Tube
- ◆ Infiltration Cannula
- ◆ Tumescent Infiltration Cannula Luer-lock-16 Spiral Hole 2mmx15cm
- ◆ Infiltration Cannula Luer-lock-16 Hole 2mmx20cm
- ◆ Infiltration Cannula Luer-lock-20 Hole 2.5mmx2cm
- ◆ Infiltration Cannula Luer-lock-22 Hole 2.5mmx2cm
- ◆ Infiltration Cannula Luer-lock-24 Hole 2.5mmx2cm

LIPO SUCTION MACHINE



SALIENT FEATURE :

- ◆ Oil free rocker piston type vacuum pump driven by $\frac{3}{4}$ hp specially design high torque electric motor for continues use.
- ◆ Cabinet is made up of ERP for extra durability and shiny look, fire resistance as well as shock proof performance.
- ◆ Provided with 1.2 mm MS base - plate with power coating for durability and strength.
- ◆ Mounted on four castors for easy mobility.
- ◆ Provided with vacuum regulator to control the vacuum as per surgeon / medical staffs requirements.
- ◆ Provided with handle for easy carry.
- ◆ Least maintenance, lasts longer.
- ◆ Provided with mechanical overflow cutoff mechanism for vacuum pump protection during overflow of fluid into the pump.
- ◆ Fluid containers polycarbonate jars of 2 ltrs capacity with ABS cap.
- ◆ Filter is provided to absorb moisture & water particles entering in to the pump.
- ◆ Vacuum capacity: 760mm / hg
- ◆ Flow rate: 90 ltrs / min.
- ◆ Power: 230 Van / 320 watt. / 50 hz
- ◆ Weight: 15 kg (Approx).
- ◆ The most versatile Aspirator.
- ◆ Safe for Fat Extraction.
- ◆ All Cosmetic surgeries.

POWER ASSISTED LIPO

CONSOLE :



HAND PIECE :



CANNULA :



POWER ASSISTED LIPO

The Lipo Power System is powerful, Precision instrument desinged for small or large volume fat extraction, body contouring and fat harvesting.

SPECIFICATION :

HANDPIECE :

- ◆ Weight: Typically, less than 0.5 kg.
- ◆ Reciprocating Stroke: Around 3mm.
- ◆ Vibration Speed: Generally, between 3,000 & 4,500 cycles per min. (cpm).
- ◆ Ergonomics: Designed for surgeon comfort and reduced fatigue.

ASPIRATION UNIT :

- ◆ Pump Type: Often utilizes piston-type dual cylinder piston pumps.
- ◆ Pressure: Aspiration unit should generate a pressure of up to -29 inches Hg.

CANNULAS :

- ◆ Size and Design: Various sizes and designs are available, including multi-fenestrated cannulas.

POWER SOURCE :

- ◆ Electric Motor Power.

ACCESSORIES :

- ◆ Lightweight Autoclavable Hand Piece.
- ◆ Wide Range Variety Of High-grade Stainless Steel Cannulas Available.
- ◆ Powered By A Stand-alone Electric Console.
- ◆ Speed Control On The Footswitch.
- ◆ 3 Mm Reciprocating Stroke Adjustable Up To 4,000 Cycles/minute.
- ◆ Fully Autoclavable Handpiece And Cable.
- ◆ High Flow Suction Tube Can Be Attached.
- ◆ Less Fatigue.
- ◆ Shock Proof Body.
- ◆ Hi Flow Of Collected Fat.
- ◆ Built In Stabilizer In Console.
- ◆ Water Resistant.
- ◆ Autoclavable Tubings.
- ◆ Manual Hand Piece Attached.
- ◆ Wide Size And Shape Of Cannula.

FAT TRANSFER



DERMATOME WITH ACCESSORIES

CONSOLE :



HAND PIECE :



The Maktronic Electronic Dermatome (See Fig. 1) is a surgical skin grafting instrument which runs on electricity. The thickness control adjustment ranges from 0 to 0.030 in. (0.75 mm) in 0.002 in. (0.050 mm) increments. Individual graft widths, with the different width plates provided, can be taken of 1 inch, 2-inch, 3 inch and 4 inches. Two screws hold the plates to the underside of the instrument. The plates can be easily fastened or removed with the screwdriver provided or with a 3mm Allen Key.

REMOVING THE GRAFT :

You can remove the graft by any of the following methods,

- ◆ Remove gently using your fingers from the pocket where the graft has collected.
- ◆ Remove gently using tissue forceps. Ensure smooth removal to prevent uneven edges in the graft.

ACCESSORIES :

- ◆ Dermatome Hand Piece
- ◆ Dermatome Console
- ◆ Dermatome Foot Switch
- ◆ Mains Cable
- ◆ Blade Cover Plate
- ◆ Blade
- ◆ Autoclavable Box

DIGITAL CAUTERY SYSTEM



SPECIFICATION :

Thank you for purchasing the Maktronic unit. To use the generator properly and to get the best from it carefully read this operation manual use. After reading the manual, we suggest you to keep it in a convenient place for quick reference.

In order to instruct the user of an Electro Surgical Generator of the capabilities and limitations of his Generator a Greater deal of information must be provided. The user must be given more than the facts and specifications. Ideally, he should be given a complete understanding of this equipment so he can use the generator in all situations and recognize potential hazards before they occur.

Taking into consideration all the above factors we have tried to make this manual more user friendly.

ACCESSORIES :



MONOPOLAR & BIPOLAR FOOT SWITCH

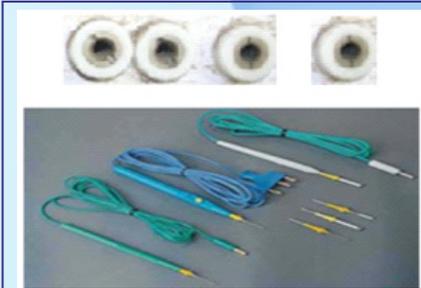
The 4-pin connector is use to attach Monopolar footswitch In Monopolar foot switch there are two functional switches

- 1) CUT
- 2) COAG The 3-pin connector is use to attach bipolar footswitch.



PATIENT PLATE

This 2-pin receptable accepts the patient return electrode connector used in Monopolar procedures. Plate 3½" x 6" (8.9cm x 15.2cm) with 8' (2.4m) cord



ELECTROSURGICAL HAND SWITCH PENCIL & MONOPOLAR ACTIVE

Monopolar Active Receptable (Hand Switch) – This receptable will accept the 3 – pin hand switching active accessories. Monopolar Active Receptable (Accessory) - This receptable has single output jack.

DIGITAL CAUTERY SYSTEM



AUTOCLAVABLE BIPOLAR FORCEPS



Bipolar Active Receptable – This receptable will accept 2 – pin bipolar accessories.



PATIENT PLATE WITH PATIENT PLATE CABLE

Accessories should be carefully checked for visible signs of damage and defects.

COLORADO TIP



COLORADO TIP STRAIGHT LONG



COLORADO TIP STRAIGHT SHORT

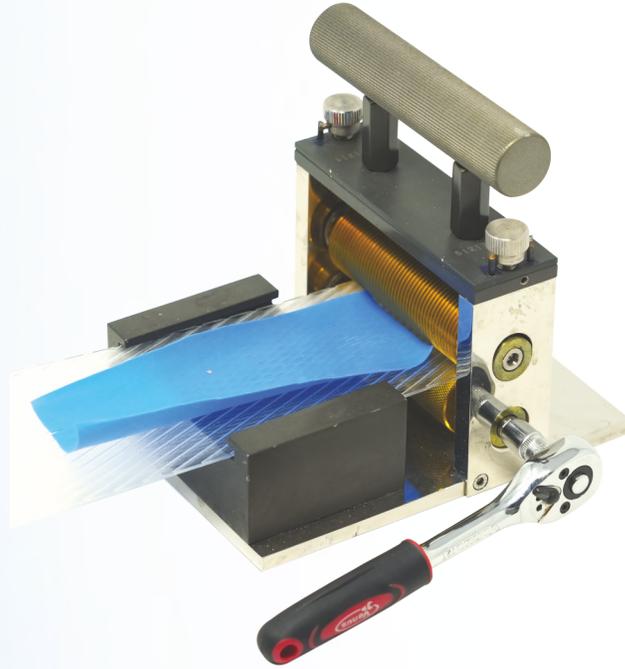


COLORADO TIP CURVED LONG



COLORADO TIP CURVED SHORT

SKIN GRAFT MASHER SYSTEM



Skin Graft Masher system uses specific Skin Grafting Carriers to achieve different expansion ratios.

SYSTEM FEATURES :

- ◆ Multiple expansion ratios during a single procedure without multiple machines.
- ◆ Graft carriers provide reliable transport and meshing of a skin graft.
- ◆ Validated for manual and automated washing.
- ◆ Lubeless gears to ensure smooth performance, time after time.
- ◆ Durable, stainless-steel construction for years of consistent performance.
- ◆ Easy ratchet handle motion for smooth transport of graft carrier through the masher.
- ◆ Three different expansion ratios available are: 1.5:1, 3:1 and 6:1 when using skin graft Carriers.
- ◆ Skin Graft Carriers are 3" x 8" .

INSTRUCTIONS FOR SKIN GRAFT CARRIERS :

The choice of the appropriate expansion depends upon certain specific conditions:

- 1) The amount of available donor skin.
- 2) The type of surgical procedure.
- 3) Conformance to the affected area.

ACCESSORIES :

- ◆ Masher
- ◆ Carrier 1:2, 1:3, 1:4

PATIENT WARMER



The MML Convective Warmer and Warming blanket are intended for thermal regulation of a patient's temperature and

are designed to prevent hypothermia and/or reduce cold discomfort during and after surgical procedures. These products are intended for use by appropriately trained healthcare professionals in clinical environments.

The MML Convective Warming system consists of a high-low convective warmer with hose-end temperature control, a convective warming blanket, and accessories.

The MML convective warmer draws ambient-temperature air through a particular air filter. The filtered air is warmed to a selected temperature. The warmed air enters the convective warming blanket through the hose and is distributed through delivery channels. Perforations on the patient side of the air delivery channels in the convective warming blanket gently disperse warm air over the patient.

The MML convective Warmer has three outlet temperature settings, which provide flexibility in patient treatment: 36°C, 40°C. and 44°C, These three temperature settings, are servo-controlled by thermistors placed at the end of the hose where

the hose connects to the convective warming blanket. A fourth temperature setting delivers ambient-temperature air. The temperature indicated on the control panel is the temperature of the air being delivered to the convective warming blanket at the end of hose. A control thermistor adjusts the power applied to the heater to maintain the selected temperature. This enables the system to maintain the selected temperature under variations in ambient temperature.

- ◆ Temperature setting designed to offset Patient hypothermia
High - 43deg | Med - 38deg | Low - 32deg
Ambient-Heater will remain Off, only blower will work
- ◆ Minimizes post surgical complications
- ◆ Improves Recovery time.
- ◆ Full body flexible blanket made of soft but strong quilted material to promote uniform air flow and comfort to the patients body
- ◆ Audible alarm with led indication for the following
High Temp - Do not use Patient warmer
Low Temp - Heater to be checked
Sensor open - Temp sensor to be checked
Filter change - Filter life expectancy is over, replace with new filter
- ◆ Hepa Filter : High Efficiency Particulate air filter 99.97% efficient at 0.3-micron particle size L to be replaced every 2000 Hrs.

WARMER BLANKET

Construction : 2 ply material consisting of polyethylene film inner layer and non woven outer layer (latex free)

Size uninflated : 210 x 120cm

WARMER UNIT

SPECIFICATION :

- ◆ Size : H-16" in x W-10" x D 8.5" in.
- ◆ Weight : 8.60 kg
- ◆ Hose : 5ft (1.5) collapsible and self supporting
- ◆ AC power code : 14ft long (4.3 m)
- ◆ AC power : 230V, 50Hz
- ◆ Current draw : 2 Amp max
- ◆ Heater size : 1000 watts
- ◆ Warm up time : Air temperature at nozzle exceeds 30° C in approximately 30 seconds
- ◆ Air Flow Rate : 55 CFM
- ◆ Noise level : Less than 55 db (Normal Conversation level)
- ◆ Hepa Filter : 99.97% efficient at 0.3 micron particle size To be replace every 2000 hrs.

MINI SAW



SPECIFICATION :

Sagittal Movement Saw
Reciprocating Saw
Perpendicular Saw

- ◆ Power Supply : 0-240 V, 50 Hz
- ◆ Motor Type : Motor is Brush Less Direct Current (BLDC) Type for Maximum Torque and Reliability
- ◆ Speed : 10,000 - 50,000 rpm
- ◆ Sterilization : The Handpiece Should Sustain Autoclave.
The Cables and Connectors should be Autoclavable.
- ◆ Attachment Fitment : The Attachment fitment should be quick coupling type
Acceleration the time required to reach 0 to max speed should be less than 0.3 sec
- ◆ Cut off time : The cut off time from max speed to 0 should be less than 0.3 sec
- ◆ Foot Switch : Foot Switch should be linear to adjust the exact required RPM during surgery.
- ◆ High Speed Motor : up to 50,000 RPM
- ◆ Trusted Performance : No Excessive heat, vibrations or noise Ideal for Micro Surgeries.

ACCESSORIES :

- ◆ Console
- ◆ Hand Piece
- ◆ Foot Switch
- ◆ Straight H.P
- ◆ Blade

MINI K WIRE



Mini K-wire Drivers, Also Known As Kirschner Wire Drivers, Are Used In Plastic Surgery For Temporary Fixation Of Fractures, Soft Tissue Procedures, And As A Guide For Screw Placement. They Are Versatile Tool For Surgens, Particularly In Hand And Foot Surgeries.

SPECIFICATION :

HANDPIECE :

- ◆ Can Hold Wire From 0.5mm To 3.6mm.
- ◆ Quick Coupling Jacob Chuck Provided.
- ◆ Speed Up To 1000 Rpm.
- ◆ Forward, Reverse And Oscillation.
- ◆ Fully Autoclavable.
- ◆ High Torque Of 3mm.
- ◆ Cannulated.
- ◆ Shock Proof.
- ◆ Comfortable Grip.
- ◆ Oscillation Mode Prevents Soft Tissue Entanglement.
- ◆ Portable Electronic Control Unit.

ACCESSORIES :

- ◆ K - Wire H.P.
- ◆ Charger Console.
- ◆ Battery.
- ◆ Foot Switch.
- ◆ Key .
- ◆ Chuck.
- ◆ Power Cord.

HIGH SPEED BURR



SPECIFICATION :

Console
Hand Piece
Foot Switch
Small Straight H.P
Small Curved H.P
Long Straight H.P
Long Curved H.P

- ◆ Power Supply : 0-240 V, 50 Hz
- ◆ Motor Type : Motor is Brush Less Direct Current (BLDC) Type for Maximum Torque and Reliability
- ◆ Speed : 10,000 - 50,000 rpm
- ◆ Sterilization : The Handpiece Should Sustain Autoclave.
The Cables and Connectors should be Autoclavable.
- ◆ Attachment Fitment : The Attachment fitment should be quick coupling type
Acceleration the time required to reach
0 to max speed should be less than 0.3 sec
- ◆ Cut off time : The cut off time from max speed to 0 should be less than 0.3 sec
- ◆ Foot Switch : Foot Switch should be linear to adjust the exact required RPM during surgery.
- ◆ High Speed Motor : up to 50,000 RPM
- ◆ Trusted Performance : No Excessive heat, vibrations or noise
Ideal for Neuro & Spinal Surgeries

ACCESSORIES :

- ◆ Cutting Burr
- ◆ Diamond Burr
- ◆ Tissue Burr

TELESCOPE & SHEATH



TELESCOPE (4 MM 30 DEGREE)

A telescope with specifications like "4mm 30 degree" is an endoscopic instrument, likely a rigid endoscope, used in medical procedures for visualization within the body. The "4mm" refers to the diameter of the telescope, while the "30 degree" indicates the viewing angle of the lens, meaning it provides a 30-degree field of view. These telescopes are commonly used in urology, gynecology, and other surgical specialties for minimally invasive procedures.

KEY FEATURES:

- ◆ **Diameter :** The 4mm diameter allows for less invasive procedures, reducing patient discomfort and recovery time.
- ◆ **Viewing Angle :** The 30-degree angle provides a comprehensive view of the targeted area, which is beneficial for diagnosis and treatment.
- ◆ **Material :** Constructed from medical-grade stainless steel, ensuring durability and the ability to withstand sterilization.
- ◆ **Autoclavable :** Can be sterilized in an autoclave, making it reusable and cost-effective.
- ◆ **Applications :** Commonly used in urology for cystoscopy (bladder examination), but can also be used in other endoscopic procedures.
- ◆ **High-Quality Optics :** Some models feature high-definition (HD) lenses for clear and detailed images.
- ◆ **Compatibility :** Often designed to be compatible with a range of endoscopic equipment.

SHEATH - PUSH LOCK

A "SHEATH 4mm 30 degree" instrument refers to a surgical sheath, typically used in minimally invasive procedures like arthroscopy, laparoscopy, or hysteroscopy, that has a 4mm diameter and a viewing angle of 30 degrees. The sheath provides a working channel for instruments and maintains a sterile field during the procedure. The 30-degree angle refers to the viewing direction of the telescope or camera used with the sheath, allowing for a wider field of vision.

KEY FEATURES:

- ◆ **Stainless Steel :**
 - Sheaths are often made of stainless steel for durability and sterilization.
- ◆ **Reusable :**
 - Many sheaths are designed for multiple uses after proper cleaning & sterilization.
- ◆ **Valves :**
 - Some sheaths may have valves to control the flow of fluids or prevent backflow.
- ◆ **Compatibility:**
 - The sheath's size and design must be compatible with the specific surgical instruments and the chosen surgical technique.

HD CAMERA



INTRODUCTION:

This manual provides information for the operation of the MAKTRONIC MEDICAL LLP PATIENT HD CAMERA, (also referred to in this manual as "unit" or "device").

Used in general laparoscopy, ear endoscopy, sinuscopy, and plastic surgery wherever a laparoscope / endoscope / arthroscope is indicate for use.

SPECIFICATION:

MODEL

1920*1080P60 fps

1/2.8" or 1/1.8"

USB RECORD CAPTURE

VIDEO & PHOTO STORAGE

10 X ZOOM

HDMI CABEL OUTPUT

CUSTOMIZED CAMERA MENU

INSTRUCTION FOR USE

1. CAMERA CONSOLE



Connect power supply cord to camera console back side
Connect HDMI Cable to monitor
Connect camera head to front side of console
Press ON-OFF Switch

2. CAMERA HEAD



Connect camera head to front side of console.

3. POWER CORD



Connect power supply cord back side of machine.

LED LIGHT SOURCE



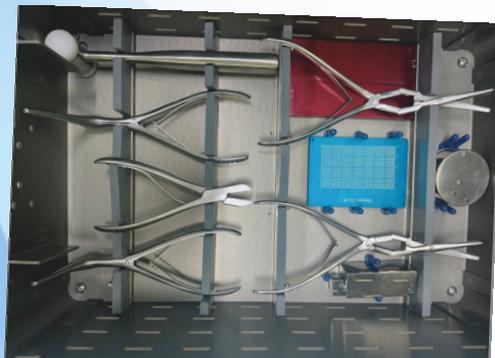
SPECIFICATION :

- ◆ Led Light Source With High Brightness Cold White Upto 35000 Lumen For Medical Applications
- ◆ Correlated Colour Temperature 6500k
- ◆ Colour Rendering Index:70.
- ◆ Optical Fiber Interface, Can Retrofit Other Make Fiber Optic Cable .
- ◆ Digital Brightness Control From 0 To 100 To Regulate Light Intensity .
- ◆ Maximum Power Consumption : 40 Watts.
- ◆ Energy Saving Compared To Conventional Light Source.
- ◆ Long Life More Than 20,000 Hours.
- ◆ Cool Running, Very Low Fan Noise
- ◆ Compact And Light In Weight .
- ◆ External Power Supply 230v, 50hz.

ACCESSORIES :

- ◆ Light Source Machine.
- ◆ Power Cord

RHINOPLASTY



BREAST RETRACTOR



SILICON ROD



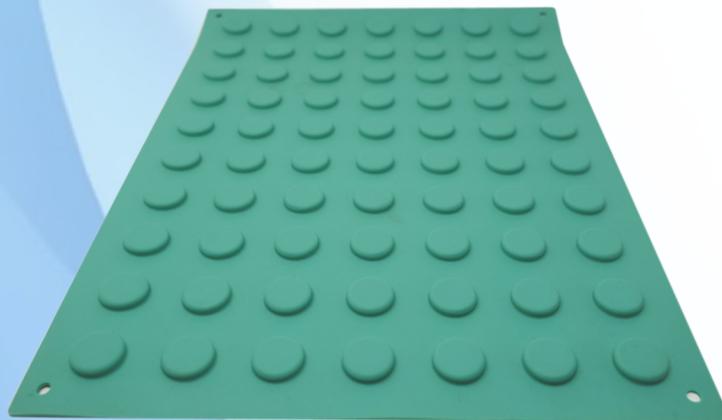
SPECIFICATION :

In plastic surgery, silicon rods are used in various procedures, primarily for reconstruction and augmentation. They are frequently employed as implants for the face and breasts, and in tendon and eyelid reconstruction. Their inert and durable nature makes them a suitable material for these applications.

SPECIFICATION :

- ◆ 2MM X 250MM
- ◆ 3MM X 250MM
- ◆ 4MM X 250MM
- ◆ 5MM X 250MM

MAGNETIC MAT



Magnetic instrument mats are specialized mats designed to hold surgical instrument securely in place during procedures, preventing them from falling off the sterile field and reducing the risk of sharps injuries. They are typically made of a flexible, magnetized material and often feature a non-slip backing to prevent shifting on the surgical drape. These mats are used to enhance safety and efficiency in the operating room by providing a designated space for instruments and facilitating quick access

IMPLANTS

UPPER FACE PLATING SYSTEM 1.5 mm / 2 mm

Titanium Plates - Without Bar



Size
2 Holes
3 Holes
4 Holes
5 Holes
6 Holes
8 Holes
10 Holes
12 Holes
16 Holes
20 Holes
30 Holes
50 Holes

Material : Titanium Grade II & S.S. 316L

Titanium Plates - With Bar



Size
2 Holes
3 Holes
4 Holes
5 Holes
6 Holes
8 Holes

Material : Titanium Grade II & S.S. 316L

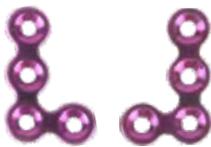
Titanium Plates - With Long Bar



Size
2 Holes
4 Holes

Material : Titanium Grade II

Titanium "L" Shape Plate 90°



Size
Small - Right
Small - Left



Size
XB 3+2H - Right
XB 3+2H - Left

Material : Titanium Grade II & S.S. 316L



Size
Big - Right
Big - Left



Size
XB 3+3H - Right
XB 3+3H - Left

Titanium "L" Shape Plate 100



Size
XB 3+2H - Right
XB 3+2H - Left

Material : Titanium Grade II

IMPLANTS

UPPER FACE PLATING SYSTEM 1.5mm

Titanium "L" Shape Plate 120°



Size
Small - Right
Small - Left

Material : Titanium Grade II & S.S. 316L



Size
Big - Right
Big - Left

Titanium "T" Shape Plates



Size
Small

Material : Titanium Grade II & S.S. 316L



Size
Big



Size
Extra Big

Titanium "Y" Shape Plates



Size
Small

Material : Titanium Grade II & S.S. 316L



Size
Big

Titanium Double "Y" Shape Plates



Material : Titanium Grade II & S.S. 316L

Size
6 Holes

Titanium "I" Shape Plates



Material : Titanium Grade II & S.S. 316L

Titanium "H" Shape Plates



Material : Titanium Grade II & S.S. 316L

IMPLANTS

UPPER FACE PLATING SYSTEM 1.5mm

Titanium "X" Shape Plates



Material : Titanium Grade II & S.S. 316L

Titanium "Z" Shape Plates



Material : Titanium Grade II & S.S. 316L

Titanium Orbita Plates - With Bar

Material : Titanium Grade II & S.S. 316L



Size
4 Holes



Size
6 Holes



Size
8 Holes

Titanium Orbita Plates - Without Bar

Material : Titanium Grade II & S.S. 316L



Size
4 Holes



Size
6 Holes



Size
8 Holes

Titanium Orbital Floor Plates

Profile Thickness : 0.4 mm
Material : Titanium Grade II



Size
Small



Size
Medium



Size
Big

IMPLANTS

UPPER FACE PLATING SYSTEM 1.5mm

Titanium Square Shape Plates



Material : Titanium Grade II

Size
2 x 2 Holes
2 x 3 Holes
2 x 4 Holes

Titanium 3D Plates



Material : Titanium Grade II

Size
2 x 2 Holes
2 x 3 Holes
2 x 4 Holes

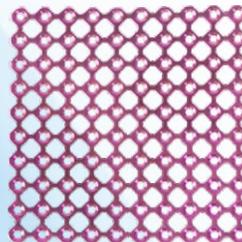
Titanium Micro Burr Holes Cover Plates



Profile Thickness : 0.6 mm
Material : Titanium Grade II

Size
12mm

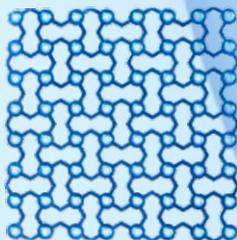
Titanium Wire Mesh



Profile Thickness : 0.4 mm
Material : Titanium Grade II & S.S. 316 L

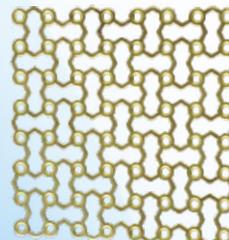
Size
25 x 25 mm
50 x 50 mm
50 x 100 mm
50 x 150 mm
50 x 200 mm
100 x 100 mm
100 x 150 mm

Titanium Ezy Mesh Plates



Profile Thickness : 0.4 mm
Material : Titanium Grade II

Size
25 x 25 mm
50 x 50 mm
50 x 100 mm
50 x 150 mm
100 x 100 mm
100 x 150 mm
150 x 150 mm



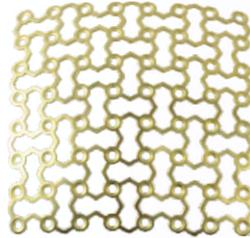
Profile Thickness : 0.6 mm
Material : Titanium Grade II

Size
25 x 25 mm
50 x 50 mm
50 x 100 mm
50 x 150 mm
100 x 100 mm
100 x 150 mm
150 x 150 mm

IMPLANTS

UPPER FACE PLATING SYSTEM 1.5mm

Titanium Ezy Mesh Plates - Pre Contoured



Profile Thickness : 0.6 mm
Material : Titanium Grade II

Size
50 x 50 mm
100 x 100 mm
150 X 150 mm

Titanium Screws - 



Thd. Dia. : 1.5 mm
Drill Size : 1.0 mm
Material : Titanium Grade V

Size
4 mm
5 mm
6 mm
7 mm
8 mm
9 mm
10 mm

Titanium Screws - Single Slotted 



Thd. Dia. : 1.5 mm
Drill Size : 1.0 mm
Material : Titanium Grade V & S.S. 316L

Size
4 mm
5 mm
6 mm
7 mm
8 mm
9 mm
10 mm

Titanium Emergency Screws - 



Thd. Dia. : 1.8 mm
Core Dia. : 1.3 mm
Material : Titanium Grade V

Size
6 mm
7 mm
8 mm
9 mm
10 mm

Titanium Emergency Screws - Single Slotted 



Thd. Dia. : 1.8 mm
Core Dia. : 1.3 mm
Material : Titanium Grade V & S.S. 316L

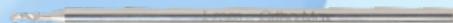
Size
6 mm
7 mm
8 mm
9 mm
10 mm

S. S. Drill Bits for Micromotor



Dia. x Flute x Length
1.0 mm x 12 mm x 65 mm
1.0 mm x 12 mm x 100 mm

S. S. Drill Bits for Micromotor - Short Flute

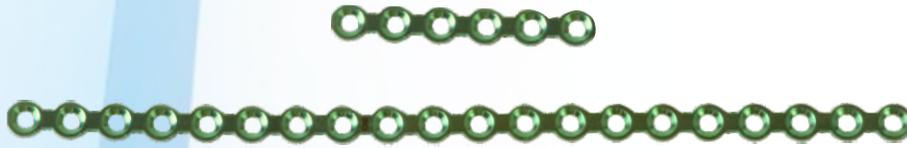


Dia. x Flute x Length
1.0 mm x 4 mm x 65 mm
1.0 mm x 6 mm x 65 mm
1.0 mm x 8 mm x 65 mm
1.0 mm x 10 mm x 65 mm

IMPLANTS

MANDIBLE PLATING SYSTEM 2.5mm

Titanium Bone Plates - Without Bar



Material : Titanium Grade II & S.S. 316L

Size
2 Holes
3 Holes
4 Holes
5 Holes
6 Holes
8 Holes
10 Holes
12 Holes
16 Holes
20 Holes
30 Holes
50 Holes

Titanium Bone Plates - With Bar



Material : Titanium Grade II & S.S. 316L

Size
2 Holes
3 Holes
4 Holes
5 Holes
6 Holes
8 Holes

Titanium Mandible Angle Plates



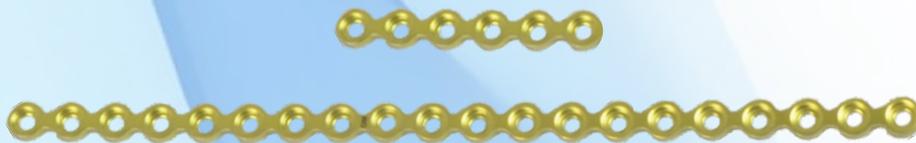
Profile : 1.8mm x 6mm

Material : Titanium Grade II

* Can be used with Locking or Non Locking Screws

Size
3+3 Holes

Titanium Mandibular Reconstruction Plates - Primary Straight



Profile : 1.8mm x 6mm

Material : Titanium Grade II

* Can be used with Locking or Non Locking Screws

Size
4 Holes
6 Holes
8 Holes
10 Holes
12 Holes
16 Holes
20 Holes
24 Holes

IMPLANTS

MANDIBLE PLATING SYSTEM 2.5mm

Titanium Screws - 



Thd. Dia. : 2.5 mm
Drill Size : 2.0 mm
Material : Titanium Grade V

Size
6 mm
7 mm
8 mm
9 mm
10 mm
12 mm
14 mm
16 mm

Titanium Screws - Single Slotted 



Thd. Dia. : 2.5 mm
Drill Size : 2.0 mm
Material : Titanium Grade V & S.S. 316 L

Size
6 mm
7 mm
8 mm
9 mm
10 mm
12 mm
14 mm
16 mm

Titanium Emergency Screws - 



Thd. Dia. : 2.7 mm
Core Dia. : 2.2 mm
Material : Titanium Grade V

Size
6 mm
7 mm
8 mm
9 mm
10 mm
12 mm

Titanium Emergency Screws - Single Slotted 



Thd. Dia. : 2.7 mm
Core Dia. : 2.2 mm
Material : Titanium Grade V & S.S. 316L

Size
6 mm
7 mm
8 mm
9 mm
10 mm
12 mm

S. S. Drill Bits for Micromotor



Dia. x Flute x Length
2.0 mm x 20 mm x 65 mm
2.0 mm x 20 mm x 100 mm

S. S. Drill Bits for Micromotor - Short Flute



Dia. x Flute x Length
2.0 mm x 6 mm x 65 mm
2.0 mm x 8 mm x 65 mm
2.0 mm x 10 mm x 65 mm
2.0 mm x 12 mm x 65 mm

IMPLANTS

OTHER IMPLANTS

Titanium Intermaxillary Fixation (IMF) Screws



Thd. Dia. : 2mm
 Drill Size : 1.5mm
 Material : Titanium Grade V & S.S. 316 L

Size
6 mm
7 mm
8 mm
9 mm
10 mm
12 mm



Single Slotted 

Thd. Dia. : 2.5mm
 Drill Size : 2mm
 Material : Titanium Grade V
 & S.S. 316 L

Size
6 mm
7 mm
8 mm
9 mm
10 mm
12 mm

Titanium Lag Screws



Thd. Dia. : 2mm
 Drill Size : 1.5mm
 Gliding Hole Drill Size 1.8mm
 Material : Titanium Grade V
 & S.S. 316 L

Size
8 mm
10 mm
12 mm
14 mm
16 mm
18 mm
20 mm



Single Slotted 

Thd. Dia. : 2.5mm
 Drill Size : 2mm
 Gliding Hole Drill Size 2.3mm
 Material : Titanium Grade V
 & S.S. 316 L

Size
8 mm
10 mm
12 mm
14 mm
16 mm
18 mm
20 mm

Schanz Screws



Material : S.S. 316 L

Size
1.5 mm x 3"
2 mm x 3"
2.5mm x 4"

Schanz Screws - For Micromotor



Material : S.S. 316 L

Size
2.35 mm x 3"

S.S. Wire Reels



Material : S.S. 316 L
 Length : 10 mtrs.

Size
24 Gauge
26 Gauge
28 Gauge
30 Gauge

Arch Bar



Material : S.S. 316 L

Length
1 feet



MAKTRONIC MEDICAL LLP

Mfg. of : Medical Electronic Equipments, Instruments & Laminar Air-Flow Units



3, Retiwala Indl. Est., Harish Arjun Palav Marg, Chinchpokli X Lane,
Byculla, Mumbai - 400 027. • Tel. : 2373 2271 / 2370 2278
Tel. : 98200 09043 • E-mail : mektronic_co@yahoo.co.in