

Sr. No. of Items	Name of Machinery and Equipment with Specifications
01.	<p><b><u>TABLE TOP AUTOCLAVE</u></b></p> <p>Autoclave should work on fractionated pre-vacuum method which has the advantage of no air in the chamber, in instruments or in textiles which could endanger sterilization. It should be equipped with effective drying as pre-requisite for long term storage of packaged sterilized materials. Sensors and an innovative microprocessor control regulator for monitoring the parameters necessary for a secure sterilization pressure and temperature. Provision for four programmes four prion programme, gentle programme and two test programmes. The supply of demineralized water and the drainage of used water should happen automatically. Facility for documentation of sterilization cycles over the built-in interface connection to the printer, software for documentation to be provided. There should be 5-6 trays. Two helix reference block systems for verification of successful sterilization. Front Loading. It should be possible to autoclave wrapped, unwrapped instruments as well as drapes, towels. It should meet the EN 13060 standards.  Temp: 121° c/1 bar 134 ° c/2 bars  Duration 40 minutes (preheating+pre &amp; post vacuum+drying+ sterilization)  Dimension  Housing : Width 42.5-45 cm x Depth 72-75 cm x Height 48.5-50cm  Chamber : 25x 45 cm  Volume of chamber : 20-22 liters  Weight – 49-50 kg  Power supply – 230v/50 Hz/2100 Watt</p>
	<p><b><u>Autoclave</u></b></p> <p>Autoclave should work on fractionated pre-vacuum method which has the advantage of no air in the chamber, in instruments or in textiles which could endanger sterilization. It should be equipped with effective drying as pre-requisite for long term storage of packaged sterilized materials. Sensors and an innovative microprocessor control regulator for monitoring the parameters necessary for a secure sterilization pressure and temperature. Provision for programmes – universal (1), quick programmes (2), prion programme, gentle programme and two test programmes. The supply of demineralized water and the drainage of used water should happen automatically. Facility for documentation of sterilization cycles over the build-in interface connection to the printer software for documentation to be provided. Front Loading. It should be possible to autoclave wrapped, unwrapped instruments as well as drapes, towels. It should meet the EN 13060 standards.  Temp: 121° c/1 bar 134° c/2 bars  Duration 40 minutes (preheating+pre &amp; post vacuum+drying+ sterilization)  Dimension  Housing : Width 78-80cm x Depth 120-125 cm x Height 90-100 cm  Volume of chamber : 200-300 liters  Weight – 350-400 kg  Power supply – 230v/50 Hz/2100 Watt</p>
02	<p><b><u>INTRA ORAL X-RAY MACHINE</u></b></p> <p>Provision for exposure times to be cutomised. One button to allow switching to instantly from conventional intra-oral x-ray film to digital sensors. Leakage radiation should be filtered (equivalent to 2mm A1at 70kV) and controlled (less than 0.25mGy/h at 1m from focal spot) for maximum protection. The control software should automatically compensate for variations in mains voltage so that the radiation emitted is always of the best quality to provide pictures with reproducible parameters. Control panel should manage exposure times that are perfectly suited to digital imaging with DC. Provision for exposure times to be optimized for used with digital sensors. The generator should be compatible with practically all digital imaging systems. It should be fitted with a double anode</p>

	<p>tugsten tube (intensity 4-8mA). Constant voltage of 60kV or 70kV. It should operate at high frequency and constant potential which enables very high quality radiation to be emitted. The choice of voltage (60 or 70kV) and intensity (4 or 8mA) that enables optimal diagnosis of intraoral x-rays with 35% reduction in exposure time, compared with monophasd units. The timer shold control upto two DC generators. The extremely short exposure times (minimum 0.02 sce) that are suitable for digital radiology with CCD, CMOS or phosphor plate sensors (radiation is 50% less) than that used with 'E' type films. Classification Electoomedical equipment, Class 1 type B, voltage 230v monophase 50/60 Hz. Power absorption at 230 V:1.4 kVA. Resistance of the line 0.5 ohms X-ray tube new DC tube (073 b) High voltage 60-70kV Anode current 4-8mA Focal spot 0.7 mm Total filtration : 2 mm Al to 70 kV Tube inherent filtration Equivalent to 0.8mm a1 at 70 kV Leakage radiation less than 0.25 mGy/hour maximum at a distance of 1m from focal spot Long cone focus to cylinder tip distance = 31 cm (12") Exposure time can be set from 0.02 to 3.2 seconds X-ray emission control switch with spiral cable. Total weight 25 kg (weight of the head : 5.5 kg) Manufactured according to EC 93/42/EEC standards.</p>																														
03	<p><b><u>X-RAY FILM PROCESSOR</u></b></p> <p>Fully automatic development of x-ray film (8 at a time) in 6 minutes. The developer should have a daylight hood with bath heating with flap. A change of chemicals required after three weeks or 350 films. Easy water drainage and refilling system. Baths should be freely accessible. Three to four times a year cleaning of the transport system should be adequate, for proper functioning. A cleaning set with a universal tank cleaner, bath and brush should be supplied for the above mentioned purpose. The on /off switch should falsh after switching on until the chemicals have reached the working temperature and are ready for operation. The film transport in the drier should be integrated into the entire transport system. In five-six minutes, the developer should develop upto eight intra oral films. Even with shorter development times the picture qualify should remains perfect L good contrast, high density, secure. Processors temperature controlled chemical heating. Developing without a darkroom and the accompanying procedures.</p> <p><b><u>Technical Specifications</u></b></p> <table border="0"> <tr> <td>Voltage</td> <td>230V</td> </tr> <tr> <td>Frequency</td> <td>50 Hz</td> </tr> <tr> <td>Total output</td> <td>400w</td> </tr> <tr> <td>Current</td> <td>1.8 A</td> </tr> <tr> <td>Duty rating</td> <td>100%</td> </tr> <tr> <td>Process time</td> <td>5 min.- 6 min</td> </tr> <tr> <td>Bath temperature</td> <td>24 ° C</td> </tr> <tr> <td>Weight</td> <td>11.5 kg</td> </tr> <tr> <td>Size (HxWxD)</td> <td>40x63x25 cm</td> </tr> <tr> <td>Suitable film sizes</td> <td>without adapter 3x4 cm</td> </tr> <tr> <td></td> <td>With adapter 5.7 x 7.6 cm</td> </tr> <tr> <td></td> <td>4x5 cm</td> </tr> <tr> <td></td> <td>2.7 x 5.4 cm</td> </tr> <tr> <td></td> <td>2x 3.5 cm</td> </tr> <tr> <td></td> <td>2.4 x 4 cm</td> </tr> </table>	Voltage	230V	Frequency	50 Hz	Total output	400w	Current	1.8 A	Duty rating	100%	Process time	5 min.- 6 min	Bath temperature	24 ° C	Weight	11.5 kg	Size (HxWxD)	40x63x25 cm	Suitable film sizes	without adapter 3x4 cm		With adapter 5.7 x 7.6 cm		4x5 cm		2.7 x 5.4 cm		2x 3.5 cm		2.4 x 4 cm
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04	<p><b><u>PHANTOM HEAD SIMULATOR WITH WORKSTATION</u></b></p> <p>Articulated upper and lower jaws having 32 invorine screw able teeth with a mounting device, the Phantom Head should allow all 3 dimension movements</p>																														

	<p>with human like head rotation, dental training system complete with Phantom Head (Torso type) with sophisticated exchangeable articulator. Condylar movement for allowing three-dimensional protrusive. Mediotrusive and laterotrusive excursions. Ideal anterior and canine 2 sets of 32 gnathologically contoured model teeth with screws. 1 set of upper and lower elastic removable gingival. 1 set of back plate for above. Manual controls of one high speed and one low speed hand piece. One air micro motor (20000-40000 rpm) with contra angle hand piece. Disc type foot control and coiled hand piece tubing. One air rotor hand piece with two spare cartridges. Three way air/water syringe. Dimensions 56”LX31 “WX34” H. Includes utility chases 6” deep with back shelf on work surface with 2 electrical outlets. Utility chase has access panel in knee space for easy service of utilities. All steel construction with ¾ inch thick solid. Complete camera system with Monitor.</p>
05	<p><b><u>PLASTER DISPENSER WITH WATER TANK</u></b></p> <p>A built-in dispensing mechanism integrated in the tank. Simplified powder filling and replacement of plaster cartridges of different types. Mechanism should consist of a spindle, an impeller and actuator. Dispenser operation with key stroke for the dose shown on display to be dispensed. Repeated button pressing should show on display the multiplication by the number of key strokes. Proportional dispensing of water. Display should show powder dispensing in gms and water in milliliters. Machine should operate in three easy operating modes like water only, powder only and water powder in proportion. High accuracy. Ergonomic design.</p>
06	<p><b><u>VIBRATOR</u></b></p> <ul style="list-style-type: none"> <li>• It should be with removable rubber table for cleaning.</li> <li>• Should have continuous vibration control</li> </ul> <p>Should be able to take four large rings.</p> <p>OR</p> <p>Heavy duty vibrator made of synthetic rubber and no steel plate. Illuminated start and stop switch. Epoxy paint finish. A potentiometer for progressive adjustment of vibration. Vibrator should have suction pads at the bottom for placement. Working Area 270x270mm.</p>
07	<p><b><u>VACUUM MIXING UNIT</u></b></p> <p>It should have inbuilt powerful and silent vacuum pump, Should have double body bowl with built in filter tap for mixing and pouring in vacuum, should have double timer with time-delay switching on the vacuum pump, Should have adjustable vibration intensity, should be provided with rubber former &amp; set of 4 rings, should have digital display.</p> <p>OR</p> <p>Wall mounted unit microprocessor base programmable machine with oil free vacuum pump, with nylon gears for noise free functioning. The vacuum mixer should come with two mixing jars and should have a kick back in every 10 seconds. The machine should come with software detection a control mechanism for possible external problems or user mistakes ( in adequate programming, emergency stop cycle cancellation, electricity breakage etc. The machine should come with mixing bowl of small and large size with cover and stirrer. This machine should be supplied with all necessary anchorages in order to fit it to the wall and with two bowls of 250 cc and 550 cc.</p>
08	<p><b><u>CIRCULAR SAW</u></b></p> <p>The unit should be with diamond blade disc saw for model stump technique, The DC motor should have constant torque with the DC motor of speed atleast 6000 RPM Should have two hand safety protections &amp; build in suction with filter, Bowl joint holder with magnetic locker.</p> <p>Should be equipped with high precision laser beam showing exact cutting line</p>

	<p><u>Additional</u> Adjustable hand saw with changeable blades. Easy handling due to the height adjustment.</p>																										
09	<p><b><u>PNEUMATIC CHISEL</u></b></p> <p>To be used for easy removal of investment from casting and plaster surplus and also for model shaping, Pneumatic chisel should operate upto 6 bar pressure, The handpiece should be light weight and easy to use, Atleast Three different types of shape tools should be provided.</p>																										
10	<p><b><u>WELDING UNIT (Spot welder)</u></b></p> <p>Pulse current upto 2000 amps, six welding settings, two soldering settings, button for continuous soldering, LED display, automatic voltage detection, current limitation if electrode is incorrect, power saving device (stand-by mode if not used for 10 minutes). Fault signals for overheating, check electrodes. Mains connection 110-240 v/50/60 Hz. CE certification required. Universal flux for all solder alloys. 50 gms packing to be provided alongwith the spot welder. Notched, oval cadmium free, ready fluxed. Solder pellets with working temperature 700° C(25 pieces) and CE certification required.</p>																										
11	<p><b><u>UNIPOLAR AND BIPOLAR CAUTERY UNIT</u></b></p> <p>Bipolar, and monopolar generators should provide cutting and coagulation output modes. Optimal speed and precision is essential for simultaneous access to bipolar touch buttons. Seven separate, research based cutting and coagulation modes. Incorporate monitors for place Continuity, Plate Attachment (divided plate), Patient Earth, Plate Voltage and Excess Power. Possible to switch controls between '0-10' or 'wattage' scales. Monopolar output to have option of normal cut or specialist cut for wet field requirements as well as blend pinpoint &amp; spray coagulation. Bipolar output to have option of macro (50 w) and micro (15 w) coagulation.</p> <table> <tr> <td>Cutting &amp; coagulation</td> <td>Unipolar</td> </tr> <tr> <td>Coagulation</td> <td>Bipolar</td> </tr> </table> <p><u>Technical specifications</u> Input-Mains 220-240 V a.c. 50/60Hz</p> <p><u>Monopolar</u></p> <table> <tr> <td>Nominal load</td> <td>150-200 Ohms</td> </tr> <tr> <td>Normal cut</td> <td>340-345 W(power), Voltage Peak (1100-1150)</td> </tr> <tr> <td>Blend</td> <td>300 W (power) Voltage Peak (2000-2200)</td> </tr> <tr> <td>Cut</td> <td>345 W (power), Voltage Peak (1000-1500)</td> </tr> <tr> <td>Pinpoint coag.</td> <td>170 W (power), Voltage Peak (2000-2150)</td> </tr> <tr> <td>Spray coag.</td> <td>79 W (power) Volage Peak (3000-4000)</td> </tr> </table> <p><u>Bipolar</u></p> <table> <tr> <td>Nominal Load</td> <td>90-100 Ohms</td> </tr> <tr> <td>Coag. High range</td> <td>50 W</td> </tr> <tr> <td>Low range</td> <td>15 W</td> </tr> </table> <p><u>Frequency</u></p> <table> <tr> <td>Monopolar</td> <td>450-475 kHz</td> </tr> <tr> <td>Bipolar</td> <td>750-785 kHz</td> </tr> </table> <p><u>Safety</u> Comply with EN60601-1:1990 and IEC 60601-2-2:1998 standards Class 1 Defibriliator proof Drip- proof CE certified Weight 10-15 kgs Dimensions 425x390x190 mm</p> <p><u>Accessories</u></p> <p>1 twin metal footswitch, 1 active electrode handle with cable and plug, 1 pack of 4 flexoplates, 1 flexoplate adaptor, 1 single footswitch, white, with cable and plug for bipolar coagulation, 1 bipolar cable, 1 pair bipolar forceps, straight 150mm.</p>	Cutting & coagulation	Unipolar	Coagulation	Bipolar	Nominal load	150-200 Ohms	Normal cut	340-345 W(power), Voltage Peak (1100-1150)	Blend	300 W (power) Voltage Peak (2000-2200)	Cut	345 W (power), Voltage Peak (1000-1500)	Pinpoint coag.	170 W (power), Voltage Peak (2000-2150)	Spray coag.	79 W (power) Volage Peak (3000-4000)	Nominal Load	90-100 Ohms	Coag. High range	50 W	Low range	15 W	Monopolar	450-475 kHz	Bipolar	750-785 kHz
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	<p><u>Additional</u> 1 pack of 50 adhesive plate electrodes, 1 connecting cable and plug for adhesive plate electrodes, 1 pack of 5 blade electrodes, 1 pack of 5 needle electrodes, 1 blade electrode angled, fine, 1 needle electrode angled, medium, 1 ball electrodes 5 mm, 1 loop electrodes 6.5 mm, 1 pack of 5 fingerswitches with cable and plug, 1 pair bipolar forceps, angled 110 mm, 1 pair bipolar forceps, bayonet 200mm.</p>
12.	<p><b><u>Cordless light curing (LED)</u></b> Battery operated, digital display, light intensity of 2000 Mw/cm<sup>2</sup> in turbo mode. Short curing cycle of 5 seconds for light and dark shades of composites. Integrated fan for continuous cooling. Polywave LED with halogen like broadband spectrum from 385-515nm. Battery operated.</p> <p>Light probe: transparent, white 10mm, autoclavable, cooling system-active, acoustic signal active after 10, 20, 40, 60 seconds. Weight of handpiece +holder – 200 gms +245 gms, Dimension of hand piece: 220x35x160mm. Dimension of handpiece holder: LxWxH=200x120x70 mm.</p> <p>Powers supply 100-240 VAC, 50/60 Hz. Warranty one year.</p> <p><b><u>Additional</u></b> Light probe with varying diameter (2-3) in number. LED Multiple Programs; possible to vary the light intensity according to choice of material. Eg:- Bond agent needs less curing time, so a soft start. Polywave technology. There should be four LED diode. (3 diode in regular U.V. intensity and 1 higher intensity) Battery :- Lithium 360 ° rotation of the light probe possible.</p>
13.	<p><b><u>AMALGAMATOR</u></b></p> <p>The amalgamator should be digital device with an ergonomic design with provision for use of the pre dose capsules of alloy and mercury and measuring that should be provided with the device for a homogenous mix and prevention of wastage. It should be possible to vary the time and oscillations. Amplitude : 20-25 nm Frequency: 3500-4500 oscillations per second. Time setting: 0-30 sec and provision for repeating the time selected. Safety: Automatically halts if lid is open and ISO 13485/03 certified. Should include a box of 50 capsules.</p>
14.	<p><b><u>RUBBER DAM KITS</u></b></p> <p>Contents of the dental kit should be a rubber dam punch, rubber dam forceps of high quality of stainless steel that are autoclavable. Autoclavable plastic dental dam fram template 6’’x 6’’ (152mm x 152 mm). There should be winged clamps as they provide extra retraction and better visibility of the operative field compared to wingless clamps- 9 or 10 in number. A dental dam stabilizing cord (wedjets and cord pack). Ready cut rubber dam sheets box containing 30-36 sheets of 6’’x 6’’ (152 x 52mm) medium rubber dam natural latex rubber and gauge of 0.007-0.009 inches .Dental dam napkins for patients sensitive to latex and better saliva absorption and a manual for dental dam application. All components of the rubber dam kit should be CE certified.</p>
15.	<p><b><u>PULP TESTER DIGITAL</u></b></p> <p>Automatic digital pulp testing unit should contain a digital pulp vitality tester, 2 autoclavable tooth probes, 9 V long life high output alkaline battery. It should be hand held digital device that diagnoses a vital tooth with weak current. A button</p>

	<p>for gradually increasing the stimulus that increasing the stimulus that increases at the rate easy for the operator to control and easy for the patient to tolerate Convenient to operate. The button should have fast, medium and slow stimulus rate adjustment. A digital display jack for ground clip/ lip ground wire, a storage box and an instruction manual. It should be ISO 9001/ISO 13485 and IEC 60601-1-1 certified. CE 0120, IEC 60601-1-2 for safety.</p>																					
16.	<p><b><u>GLASS BEAD STERLIZERS</u></b></p> <p>The sterilizer should have a thermostat which maintains the set temperature with an accuracy of <math>\pm 1\%</math> of the pre-set range. The cabinet body in stainless steel and it should be possible to place it at the worksite.  Cabinet size L x W x H = 185x125x135mm  CRUCIBLE (brass): 45-50mm dia x 48-50 mm depth  Present temperature range : 230°-250°  Initial stabilization time: 20-30 minutes  Weight between: 2-2.6 kgs  Power Consumption: 10-15 Units (for 25 working days)  Wattage: 70-75 W Single Phase  Input: 220V/50Hz or 110V/50Hz  Glass beads packets to be included</p>																					
17.	<p><b><u>MAGNIFYING LOUPES</u></b></p> <p>Advanced vision enhancement System.  Light weight binocular loupes with multifunctional capabilities. Multicoated precision lenses for clarity and reduced reflection. Fully adjustable viewing angle, pupil distance and light weight (titanium) frame size medium/large. Package should include a carry case in aluminum, light weight frame, side shields, head band, microfibre cloth, screw driver, calibration target and user manual, Loupes with retainer straps, with magnification 2.5 or 3.5 times. There should be an interpullary knob, height adjustment lock screw, height adjustment rail, ocular assembly, view angle hinge, flip up handle.  Additional requirements- trendy frame, clear lens covers, head band, lamp (LED head light, rechargeable power pack.)</p> <table border="0"> <tr> <td>Magnification Power</td> <td>:</td> <td>3.5 x</td> </tr> <tr> <td>Working distance</td> <td>:</td> <td>19-21 inches</td> </tr> <tr> <td>Field of view</td> <td>:</td> <td>2.6-2.8 inches</td> </tr> <tr> <td>Depth of Field</td> <td>:</td> <td>2.4-2.6 inches</td> </tr> <tr> <td>Weight</td> <td>:</td> <td>90 gms approximately</td> </tr> <tr> <td>Adjustable viewing angle</td> <td>:</td> <td>0-45 °</td> </tr> <tr> <td>Adjustable pupil distance</td> <td>:</td> <td>1.6-2.6 inches</td> </tr> </table>	Magnification Power	:	3.5 x	Working distance	:	19-21 inches	Field of view	:	2.6-2.8 inches	Depth of Field	:	2.4-2.6 inches	Weight	:	90 gms approximately	Adjustable viewing angle	:	0-45 °	Adjustable pupil distance	:	1.6-2.6 inches
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18.	<p><b><u>ARTICULATOR SEMIADJUSTABLE</u></b></p> <p>The instrument should be mechanically programmed to stimulate the patient's mandibular movements (semi-adjustable). Easy to operate, ideal for prosthetic laboratory procedures, important tool for diagnosis and treatment planning, easy to make patient impression and mount the model. Easy and accurate transfer of records, better access and visualization of operating field, removable and autoclavable ear pieces and biteforks. Nasal support for perfect adaptation, better performance and high precision.  <u>Adjustments:</u> protrusive angle 0-60 degrees; immediate side 0-4mm and progressive side shift 5-15 degrees. Fixed settings: rear wall inclined posteriorly 24-25 degrees, straight top wall, intercondylar distance 110mm. Positive centric latch. Retaining springs that hold upper and lower bows together without being locked in the centric. Easy to disengage when not in use. Fossae interchangeable with other articulators. Can be gauged with the field inspection gauge to enable casts to be interchanged with other articulators.</p> <p><b>OR</b></p> <p><b><u>Semi adjustable articulator with facebow and mounting system</u></b></p>																					

	<p>Semi adjustable articulator for complete denture, crown &amp; bridge work that should have all necessary accessories for working with ear face bow and also be used with the biometric value template system. The system should be intrinsic with all plane indicator accessories. Ear face bow should be easy to use with single lock for bite fork compatible for the articulator. Change in Bennet angle should be 0° to 30° with centric locking catch. Incisal guide should be changeable to customize or pre set angles. Retrusive movements should be up to 35° and up to 2mm distance which can be set. Protrusive shift of 0-5 mm should be possible. The articulator should have a support for a better view for working on the model, The shift setting should be 0-1 mm. Ready made mounting should be available for the mounting of bite forke in Frankfort horizontal. Articulator should have a centric locking system. Intra-oral tracers should be there for modifying the vertical height.</p>
19	<p><b><u>ARTICULATOR FULLY SEMIADJUSTABLE</u></b>  <b><u>ARTICULATOR FULLY ADJUSTABLE</u></b></p> <p>The articulator should have independently adjustable fossae walls that duplicate a patient's condylar path of movement as recorded by the pantograph. Fully adjustable that simulates true anatomical structure.</p> <p><u>Adjustments</u> : protrusive angle 0-60 degrees, immediate side shift 0-4 mm, progressive side shift 5-30 degrees, rear wall 0-30 degrees backward, top wall 30 degrees up, 30 degrees down, intercondylar distance 90-150 mm. Medial and superior wall inserts: removable for custom grinding and choice of curvatures. Adjustable incisal table, custom step incisal table and long centric incisal pin. Lingual visibility for better viewing and access to models from the rear of the instrument.</p>
20	<p><b><u>HEAVY DUTY MICROMOTOR</u></b></p> <p>Heavy duty micromotor with variable speed control. Compact and ergonomic design. Foot pedal for variable speed control. Automatic halt/stop on overheating. Max rpm-40,000 220 V,1 control box, 1 micromotor engine, micromotor stand, foot switch.</p>
21	<p><b><u>MODEL TRIMMER WITH DOUBLE DISC</u></b></p> <p><u>Model Trimmer wet</u>  2800 RPM double motors 1HP each  Heavy duty equipped with two ball bearing for each motor, Single speed, Continuous rating with fixed 10" coarse cutting stone and one 10" polishing stone wheel, Heavy base, Inlet-outlet water flow system with PVC pipe 2 mtrs each.</p> <p><u>Technical data</u>  Power Supply 230 V 50/60 Hz  OR  <u>Model Trimmer dry</u>  2 independent ventilated motors (450 watts/ 1400 Rpm)  Complete with solenoid valve  Fine water regulation and orthodontic accessories</p> <p><u>Technical data</u>  Power supply : 230 V 50/60 Hz, 2 x 450 W  Weight : 37 Kg  Dimension : 530 x 420 x 400 mm</p>
22	<p><b><u>LATHE</u></b></p> <p>½ HP2800 R.P.M heavy duty rating  3 attachment (Buffer, stone and Bur) &amp; D.B.B. Cable arm</p> <p><u>Technical data</u>  Power supply : 230 V 50/60 Hz</p>
23	<p><b><u>ACRYLIZER</u></b></p> <p>Made of stainless steel that polymerizes 9 flasks with clamp. Should be equipped with a processor to change temperature according to a pre-set programme. Timeset from 0.00 to 98 hours. End of treatment warning signal. In</p>

	<p>case of power failure regulator should be able to store data and with the return of power it should be able to continue from the same point in the programme. Programmes and parameters should be stored indefinitely when power to the regulator is cut off. Duration of temperature increase gradient in hours and minutes from 0-98 hours. Desired holding time at each plateau :0.98 hours</p>
24	<p><b><u>DEWAXING UNIT (is an acrylizer by default)</u></b></p> <p>The machine should have a programmable microprocessor based from 0 to 98 hrs to set programme for start up. The machine should have integrated 6 showers for dewaxing. The body should be made for complete stainless steel for long lasting performance. The dewaxing unit should also be useful as an acrylizer.</p>
25	<p><b><u>MECHANISED PRESS</u></b></p> <p>Easy to use sturdy, reliable, durable construction , Should be able to accommodate up to 2-3 flasks. Designed to withstand high pressure Pressure of 400 bar.</p> <p><u>Technical Data</u>  Width : 140mm  Height : P-2 for two flasks between plate and base : 180mm  Height : P-3 for three flasks between plate and base : 235mm  Weight : 12.5m Kgs  Consumables: ring, ring former, flasks, clamps.</p>
26	<p><b><u>BONE PLATING KIT</u></b></p> <p>Plier  Plate Bending Forceps  Modelling lever  Self Hiding Screw Drivers  Ordinary Screw Drivers with fibre handle  Bone holding forceps in pair  Plate holding forceps  Screw holding forceps  Depth gauge  Trocar sleeve/ Drill Guide  Bone Elevators in Pair  Titanium plates continuous holes for 1.5, 2.0, 2.5 mm Dia Screws  Titanium Plates with bar for for 1.5, 2.0, 2.5 mm Dia Screws  Titanium L shape plate 90° (Rt, Lt) 120° (Rt, Lt)  Titanium T shape plates  Titanium I shape plates  Titanium Y shaped plates  Titanium X shaped plates  Titanium Angular plates  Rowes Maxilla Disimpaction clamps Rt/Lt  Rowes Mandible holding forceps  Hayton William forceps  Asch nasal septum forceps  Walsham nasal septum forceps  Maxillary fracture reduction forceps  Bone holding forceps  Chin segment forceps</p>

	<p>TMJ spreading forceps</p> <p>Mandibular bone graft holder</p> <p>Maxillary bone graft</p> <p>Titanium Curved plates</p> <p>Titanium Square plates for 2 mm dia screws</p> <p>Titanium Orbita plates with bar</p> <p>Titanium 3D bone plates for 2 mm screws</p> <p>Titanium Nose plates</p> <p>Titanium Chin plates</p> <p>Titanium Reconstruction plating system (Complete Kit)</p> <p>Titanium Reconstruction plates straight for 2.5mm screws</p> <p>Titanium Reconstruction plates angled for 2.5 mm</p> <p>Titanium Mini screws slotted head</p> <p>Titanium Intermaxillary fixation screws with hole</p> <p>Titanium Lag screws</p> <p>Titanium TMJ condyle Rt or Lt</p> <p>Titanium TMJ condyle with reconstruction plate</p> <p>Titanium Wire mesh</p> <p>Straight surgical handpiece (without lever chuck &amp; external spray, motor connection)</p> <p>Angled surgical handpiece (without lever chuck &amp; external spray, motor connection)</p> <p>S-11, Straight, lever chuck, external spray (apical resection, osterotommes sequestrectomy, bone mothening)</p> <p>S-9, Wisdom tooth removal, apical resection</p> <p>S-12, ENT, Neuro, Plastic Surg.</p> <p>Titanium Matrix Plates with surgical kit.</p>
27	<p><b><u>IMPLANT KIT</u></b></p> <p>The implant kit should have all the following components in the surgical armamentarium along with accessories .The size including diameter and length might vary (within range with multiple options) according to the system and each surgical component should correspond to the implants and prosthetic kit for complete synchronisation of the system.</p> <p><b>SURGICAL KIT ALONG WITH SURGICAL INSTRUMENTATION AND ACCESSORIES</b></p> <p>Implant kit General specifications—</p> <p>2.0mm Standard Pilot Drill, 2.0mm Extended Pilot Drill, 2.0mm Implant Inserter/Retriever, 2.5mm Implant Inserter/Retriever, 3.0mm Implant Inserter/Retriever, Threaded Offset Handle, 5.0mm Threaded Knob, Threaded Straight Handle, 2.0mm Implant/Angled Abutment Seating Tip, Standard Abutment Seating Tip, Large Abutment Seating Tip, 2.5mm Implant Seating Tip, 3.0mm Implant Seating Tip, Removal Wrench, Hand Reamer Extension, Latch Reamer Extension.</p> <p>Hand Reamer- 2.5mm, 3.0mm ,3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm.</p>

Healing Plug Removal Instrument (Manual), Healing Plug Removal Instrument (Latch).

Standard Latch Reamer- 2.5mm, 3.0mm ,3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm.

Extended Latch Reamer- 2.5mm, 3.0mm ,3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm.

Depth Gauge/Bone Depth Plugger, Abutment Shoulder Gauge, Silicon Dappen Dish, Instrument Storage Tray, Paralleling Pin 0° (3), Paralleling Pin 15° (2), Paralleling Pin 25° (2).

3 Guide Pins of each- 2.00 mm, 2.5 mm ,3.0 mm. Sulcus Reamers- 3.5mm, 4.0 mm , 5 mm, 6.5 mm,7 mm. Healing Plug Cutter, Abutment Carrying Forceps, Surgical Mallet. Bone Expander- 3.0mm ,3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm. Osteotome- 3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 6.00 mm. Threaded Expanding Chisel- 3.0 mm, 5.00 mm, 6.0 mm.

**Impression Components compatible with the implant system**

**3.0mm Impression Components**

Description	Material
3.0mm Impression Post and Sleeve	Titanium
3.0mm Implant Level Impression Kit	Titanium
3.0mm Impression Sleeve	Plastic
3.0mm Implant Analog	Titanium

**2.5mm Impression Components**

Description	Material
2.5mm Impression Post and Sleeve*	Titanium
2.5mm Implant Level Impression Kit* □ *	Titanium
2.5mm Impression Sleeve (4)	Plastic
2.5mm Implant Analog (2)	Titanium

**2.0mm Impression Components**

Description	Material
2.0mm Impression Post and Sleeve	Titanium
2.0mm Implant Level Impression Kit	Titanium
2.0mm Impression Sleeve (4)	Plastic
2.0mm Implant Analog (2)	Titanium

**Accessories**

3.0mm Healing Plug Inserter, 16.0mm length- 2 mm, 2.5 mm, 3.0 mm. Implant Overlay. Drill unit and handpieces- Electric drill system (universal) 20:1 handpiece, 18:1 contra-angle handpiece, 400:1 rpm air motor, contra-angle handpiece head, pana spray.

**Pilot Drill-** Standard Pilot Drill 2.0 mm and Extended Pilot Drill 2.0 mm.

**Standard Latch Reamers – set should include a set of eight latch reamers, 32.0 mm length-** 2.5mm, 3.0mm ,3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm

**Extended Latch Reamers-** set should include a set of eight latch reamers, **38.0 mm length-** 2.5mm, 3.0mm ,3.5 mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm.

**Hand latch Reamers – set should include hand reamer extension, straight handle, reamer removal rench and a set of eight hand reamers, 21 mm length-** 2.5mm, 3.0mm ,3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.00 mm.

All threaded instrumentation should be interchangeable. **Reamer Removal Wrench. Extenders-** Latch Reamer Extension and Hand Reamer Extension.

**Paralleling Pins-** 0°, 15°, 25°. **Gauges-** Depth Gauge / Bone Depth Plugger, Abutment Shoulder Gauge. **Threaded Components-** Straight Handle, Offset Handle, Threaded Knob. **Seating Tips-** 2.0mm Implant/Angled Abutment Seating Tip, 2.5mm Implant Seating Tip, 3.0mm Implant Seating Tip, Standard Abutment Seating Tip (4.0mm), Large Abutment Seating Tip (6.5mm), Crown Seating Tip.

**Implant Inserter/Retriever-** 2.0mm ,2.5mm, 3.0 mm. **Sulcus Reamers-** 3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 6.5mm ,7.5 mm. **Tissue Punches-** 3.5mm, 4.0 mm, 5.0 mm, 6.5mm. **Guide Pins – 2.0 mm, 2.5 mm, 3.0 mm. Bone Expander Set with seven instruments-** , 3.0 mm, 3.5mm, 4.0 mm , 4.5 mm, 5.0 mm, 5.5mm ,6.0 mm. A set of five **Osteotomes-** 3.5mm, 4.0 mm, 4.5mm, 5.0 mm, 6.0mm. **Threaded expanding Chisels-** 3.0 mm, 5.0 mm , 6.0 mm. **Expanding Chisels-** 3.0 mm, 4.5 mm , 5.5 mm. **Trephines-** 3.75 with outside diameter (4.6mm), 4.25 mm (5.2mm), 5.25 mm (6.2 mm), 6.0 mm (6.95 mm), 7 mm (7.95 mm), 8 mm (8.95 mm), 10 mm (11 mm). **Surgical Accessories-** Surgical mallets manual and latch for healing plug removal instrument, healing plug cutter, silicone dappen dish, implant spacing template, 30 x 42 mm radiographic grid. 2 mm and 3 mm cotton tip applicator.

**Instrument storage trays-** advanced and standard. **Restorative instrument tray.**

**Periotomes-** double ended straight and offset. **Curettes-**straight and angled.

**Lateral sinus lift instruments-** severe bend sinus lift curette, antraplasty elevator, sinus lift bur. **Bone screw tack and seating instruments-** 3 mm bone screw tack, bone screw tack cassette, tack seataing instrument.

**Restorative accessories-** threaded abutment prep holder. 2 mm, 2.5 mm abutment prep holder tip, crown alignment device, crown seating tip, hydroplastic resin, IAC light cure booth (110 Volt), IAC light cure booth (multi-voltage).

**Carbide burs-** 5-10 in numbers, no. 1557 regular length, 1557 latch bur, round bur regular length, 11 mm abutment cutting bur. **Stainless steel forceps-** abutment removal forceps no. 150, no. 151, abutment carrying forceps, plastic shade enhancer, denture duplicator.

## Implants

### Implant Selection

III Implants are packaged with a healing plug. The choice of implant length and width depends upon available bone and expected occlusal loads. A range should be available with different diameters and lengths and should be color coded .as an example-

Color Coding- 3.5mm, 4.0 mm, 4.5 mm, 5.0 mm, 6.0 mm diameter. Additional options of implants other than the normal range, compatible with the implant kit- **Short Implants, Narrow Implants, Transitional Implants And Components, Orthodontic Implants And Components.**

#### **PPROSTHETIC KIT**

**Should have all the components and accessories corresponding to the surgical components and the implants. There should be a complete range of all components with different diameters, lengths and angulations.**

#### **GGENERAL SPECIFICATIONS FOR PROSTHETIC KIT**

##### **Non-Shouldered Abutments**

Options of 0°, 15°, and 25° angled abutments should be available .Different sizes to choose from. The new Restorative/Laboratory kits should facilitate impression taking, temporization, wax-ups, and the fabrication of corrective copings. The impression sleeves should be color coded according to the diameter of the abutment: 3.5mm = blue, 4.0mm = red, 5.0mm = yellow, 6.5mm = green and 7.5mm = purple.

##### **Non-Shouldered Abutments with a 3.0mm Post**

Description	Dia.	Height	Angle	Post
4.0 x 6.5mm 0° Abutment 3.0mm Post	4.0mm	6.5mm	0°	3.0mm
4.0 x 6.5mm 15° Abutment 3.0mm Post	4.0mm	6.5mm	15°	3.0mm
4.0 x 10mm 0° Abutment 3.0mm Post	4.0mm	10mm	0°	3.0mm
4.0 x 10mm 15° Abutment 3.0mm Post	4.0mm	10mm	15°	3.0mm
5.0 x 5.0mm 0° Abutment 3.0mm Post	5.0mm	5.0mm	0°	3.0mm
5.0 x 5.0mm 15° Abutment 3.0mm Post	5.0mm	5.0mm	15°	3.0mm
5.0 x 6.5mm 0° Abutment 3.0mm Post	5.0mm	6.5mm	0°	3.0mm
5.0 x 6.5mm 15° Abutment 3.0mm Post	5.0mm	6.5mm	15°	3.0mm
5.0 x 6.5mm 25° Abutment 3.0mm Post	5.0mm	6.5mm	25°	3.0mm
5.0 x 10mm 0° Abutment 3.0mm Post	5.0mm	10mm	0°	3.0mm
5.0 x 10mm 15° Abutment 3.0mm Post	5.0mm	10mm	15°	3.0mm

5.0 x 12mm 0° Abutment 3.0mm Post	5.0mm	12mm	0°	3.0mm
5.0 x 12mm 15° Abutment 3.0mm Post	5.0mm	12mm	15°	3.0mm
6.5 x 5.0mm 0° Abutment 3.0mm Post	6.5mm	5.0mm	0°	3.0mm
6.5 x 5.0mm 15° Abutment 3.0mm Post	6.5mm	5.0mm	15°	3.0mm
6.5 x 6.5mm 0° Abutment 3.0mm Post	6.5mm	6.5mm	0°	3.0mm
6.5 x 6.5mm 15° Abutment 3.0mm Post	6.5mm	6.5mm	15°	3.0mm
7.5 x 8.0mm 0° Abutment 3.0mm Post	7.5mm	8.0mm	0°	3.0mm
7.5 x 8.0mm 15° Abutment 3.0mm Post	7.5mm	8.0mm	15°	3.0mm

**Non-Shouldered Abutments with a 2.5mm Post**

Description	Dia.	Height	Angle	Post
4.0 x 6.5mm 0° Abutment 2.5mm Post	4.0mm	6.5mm	0°	2.5mm
4.0 x 6.5mm 15° Abutment 2.5mm Post	4.0mm	6.5mm	15°	2.5mm
4.0 x 6.5mm 25° Abutment 2.5mm Post	4.0mm	6.5mm	25°	2.5mm
4.0 x 10mm 0° Abutment 2.5mm Post	4.0mm	10mm	0°	2.5mm
4.0 x 10mm 15° Abutment 2.5mm Post	4.0mm	10mm	15°	2.5mm
5.0 x 6.5mm 0° Abutment 2.5mm Post	5.0mm	6.5mm	0°	2.5mm
5.0 x 6.5mm 15° Abutment 2.5mm Post	5.0mm	6.5mm	15°	2.5mm
5.0 x 6.5mm 25° Abutment 2.5mm Post	5.0mm	6.5mm	25°	2.5mm
5.0 x 10mm 0° Abutment 2.5mm Post	5.0mm	10mm	0°	2.5mm
5.0 x 10mm 15° Abutment 2.5mm Post	5.0mm	10mm	15°	2.5mm
6.5 x 5.0mm 0° Abutment 2.5mm Post	6.5mm	5.0mm	0°	2.5mm
6.5 x 5.0mm 15° Abutment 2.5mm Post	6.5mm	5.0mm	15°	2.5mm

**Non-Shouldered Abutments with a 2.0mm Post**

Description	Dia.	Height	Angle	Post
3.5 x 6.5mm 0° Abutment 2.0mm Post	3.5mm	6.5mm	0°	2.0mm
3.5 x 6.5mm 15° Abutment 2.0mm Post	3.5mm	6.5mm	15°	2.0mm
4.0 x 6.5mm 0° Abutment 2.0mm Post	4.0mm	6.5mm	0°	2.0mm
4.0 x 6.5mm 15° Abutment 2.0mm Post	4.0mm	6.5mm	15°	2.0mm
4.0 x 6.5mm 25° Abutment 2.0mm Post	4.0mm	6.5mm	25°	2.0mm
4.0 x 10mm 0° Abutment 2.0mm Post	4.0mm	10mm	0°	2.0mm
4.0 x 10mm 15° Abutment 2.0mm Post	4.0mm	10mm	15°	2.0mm
5.0 x 5.0mm 0° Abutment 2.0mm Post	5.0mm	5.0mm	0°	2.0mm
5.0 x 5.0mm 15° Abutment 2.0mm Post	5.0mm	5.0mm	15°	2.0mm
5.0 x 6.5mm 0° Abutment 2.0mm Post	5.0mm	6.5mm	0°	2.0mm
5.0 x 6.5mm 15° Abutment 2.0mm Post	5.0mm	6.5mm	15°	2.0mm
5.0 x 6.5mm 25° Abutment 2.0mm Post	5.0mm	6.5mm	25°	2.0mm
5.0 x 12mm 0° Abutment 2.0mm Post	5.0mm	12mm	0°	2.0mm
5.0 x 12mm 15° Abutment 2.0mm Post	5.0mm	12mm	15°	2.0mm

**Restorative/Laboratory Kits for Non-Shouldered Abutments\***

Description	Dia.	Height
3.5 x 6.5mm Non-Shouldered Restorative/Laboratory Kit	3.5mm	6.5mm

4.0 x 6.5mm Non-Shouldered Restorative/Laboratory Kit	4.0mm	6.5mm
4.0 x 10mm Non-Shouldered Restorative/Laboratory Kit	4.0mm	10mm
5.0 x 5.0mm Non-Shouldered Restorative/Laboratory Kit	5.0mm	5.0mm
5.0 x 6.5mm Non-Shouldered Restorative/Laboratory Kit	5.0mm	6.5mm
5.0 x 10mm Non-Shouldered Restorative/Laboratory Kit	5.0mm	10mm
5.0 x 12mm Non-Shouldered Restorative/Laboratory Kit	5.0mm	12mm
6.5 x 5.0mm Non-Shouldered Restorative/Laboratory Kit	6.5mm	5.0mm
6.5 x 6.5mm Non-Shouldered Restorative/Laboratory Kit	6.5mm	6.5mm
7.5 x 8.0mm Non-Shouldered Restorative/Laboratory Kit	7.5mm	8.0mm

\*Each kit should contain (1) Transfer Die, (1) Impression/Waxing Sleeve, and (1) Temporization Sleeve.

#### Temporization Sleeves for Non-Shouldered Abutments

Description	Dia.
3.5mm Non-Shouldered Temporization Sleeve (2)	3.5mm
4.0mm Non-Shouldered Temporization Sleeve (2)	4.0mm
5.0mm Non-Shouldered Temporization Sleeve (2)	5.0mm
6.5mm Non-Shouldered Temporization Sleeve (2)	6.5mm
7.5mm Non-Shouldered Temporization Sleeve (2)	7.5mm

#### Emergence Cuffs for Non-Shouldered Abutments

Description	Dia.
4.0mm Emergence Cuff (4)	4.0mm
5.0mm Emergence Cuff (4)	5.0mm
6.5mm Emergence Cuff (4)	6.5mm

#### Shouldered Abutments

##### Shouldered Abutments with a 3.0mm Post\*\*

Description	Dia.	Height	Angle	Post
4.0 x 1.5mm 0° Stealth Abutment 3.0mm Post	4.0mm	1.5mm	0°	3.0mm
4.0 x 3.5mm 0° Stealth Abutment 3.0mm Post	4.0mm	3.5mm	0°	3.0mm
5.0 x 2.0mm 0° Stealth Abutment 3.0mm Post	5.0mm	2.0mm	0°	3.0mm
5.0 x 2.0mm 10° Stealth Abutment 3.0mm Post	5.0mm	2.0mm	10°	3.0mm
5.0 x 3.0mm 0° Stealth Abutment 3.0mm Post	5.0mm	3.0mm	0°	3.0mm
5.0 x 3.0mm 10° Abutment 3.0mm Post	5.0mm	3.0mm	10°	3.0mm
5.0 x 4.0mm 0° Abutment 3.0mm Post	5.0mm	4.0mm	0°	3.0mm
5.0 x 4.0mm 10° Abutment 3.0mm Post	5.0mm	4.0mm	10°	3.0mm
5.0 x 6.0mm 0° Abutment 3.0mm Post	5.0mm	6.0mm	0°	3.0mm

5.0 x 6.0mm 0° Abutment 3.0mm Post	5.0mm	6.0mm	10°	3.0mm
5.0 x 8.0mm 0° Abutment 3.0mm Post	5.0mm	8.0mm	0°	3.0mm
6.5 x 2.0mm 0° Abutment 3.0mm Post	6.5mm	2.0mm	0°	3.0mm
6.5 x 4.0mm 0° Abutment 3.0mm Post	6.5mm	4.0mm	0°	3.0mm

\*\*Abutments should be packaged with their appropriate sleeves.

**Shouldered Abutments with a 2.5mm Post\*\***

Description	Dia.	Height	Angle	st
4.0 x 1.5mm 0° Abutment 2.5mm Post	4.0mm	1.5mm	0°	2.5mm
4.0 x 3.5mm 0° Abutment 2.5mm Post	4.0mm	3.5mm	0°	2.5mm
5.0 x 2.0mm 0° Abutment 2.5mm Post	5.0mm	2.0mm	0°	2.5mm
5.0 x 2.0mm 10° Abutment 2.5mm Post	5.0mm	2.0mm	10°	2.5mm
5.0 x 3.0mm 0° Abutment 2.5mm Post	5.0mm	3.0mm	0°	2.5mm
5.0 x 3.0mm 10° Abutment 2.5mm Post	5.0mm	3.0mm	10°	2.5mm
5.0 x 4.0mm 0° Abutment 2.5mm Post	5.0mm	4.0mm	0°	2.5mm
5.0 x 4.0mm 10° Abutment 2.5mm Post	5.0mm	4.0mm	10°	2.5mm
5.0 x 6.0mm 0° Abutment 2.5mm Post	5.0mm	6.0mm	0°	2.5mm
5.0 x 6.0mm 10° Abutment 2.5mm Post	5.0mm	6.0mm	10°	2.5mm

\*\*Abutments should be packaged with their appropriate sleeves.

**Shouldered Abutments with a 2.0mm Post\***

Description	Dia.	Height	Angle	Post
3.5 x 1.5mm 0° Abutment 2.0mm Post	3.5mm	1.5mm	0°	2.0mm
4.0 x 1.5mm 0° Abutment 2.0mm Post	4.0mm	1.5mm	0°	2.0mm
4.0 x 3.5mm 0° Abutment 2.0mm Post	4.0mm	3.5mm	0°	2.0mm
5.0 x 2.0mm 0° Abutment 2.0mm Post	5.0mm	2.0mm	0°	2.0mm
5.0 x 2.0mm 10° Abutment 2.0mm Post	5.0mm	2.0mm	10°	2.0mm
5.0 x 4.0mm 0° Abutment 2.0mm Post	5.0mm	4.0mm	0°	2.0mm
5.0 x 4.0mm 10° Abutment 2.0mm Post	5.0mm	4.0mm	10°	2.0mm
5.0 x 6.0mm 0° Abutment 2.0mm Post	5.0mm	6.0mm	0°	2.0mm
5.0 x 6.0mm 10° Abutment 2.0mm Post	5.0mm	6.0mm	10°	2.0mm

\*Abutments should be packaged with their appropriate sleeves.

**Acrylic Sleeves\***

Description	Dia.	Height
Acrylic Sleeve for 3.5mm Abutment (4)	3.5mm	10.0mm
Acrylic Sleeve for 4.0mm Abutment (4)	4.0mm	4.0mm
Acrylic Sleeve for 5.0mm Abutment (4)	5.0mm	6.5mm
Acrylic Sleeve for 6.5mm Abutment (4)	6.5mm	6.5mm

\*Each shouldered abutment should be packaged with corresponding stealth acrylic sleeves.

**Stealth Abutment Transfer Dies**

Description	Dia.
3.5mm Brass Abutment Transfer Die (2)	3.5mm
4.0mm Brass Abutment Transfer Die (2)	4.0mm
5.0mm Brass Abutment Transfer Die (2)	5.0mm
6.5mm Brass Abutment Transfer Die (2)	6.5mm

**Aluminum Oxide Sleeves\***

Description	Dia.	Height
3.5 x 7.0mm Aluminum Oxide Sleeve	3.5mm	7.0mm
4.0 x 7.0mm Aluminum Oxide Sleeve	4.0mm	7.0mm
5.0 x 7.0mm Aluminum Oxide Sleeve	5.0mm	7.0mm
5.0 x 10mm Aluminum Oxide Sleeve	5.0mm	10.0mm

#### Abutment Shoulder Depth Gauge

Description
Abutment Shoulder Depth Gauge

#### Shouldered Abutment Considerations

Although the shouldered abutment is designed for all-ceramic restorations, it may be used in conjunction with metal castings.

Use the shoulder depth gauge to determine an appropriate abutment shoulder height, relative to the gingival tissues. The first mark on the shoulder depth gauge corresponds to a 2.0mm shoulder height of a 5.0mm shouldered abutment. The second mark corresponds to a 4.0mm shoulder height, etc. If the soft tissue falls in between two marks, select the shorter of the two abutment heights for an aesthetic result.

The diameter of an abutment is dictated by the interproximal papillae. The abutment should support the papillae without encroaching upon them.

The acrylic sleeve may be used for making an impression, for creating a temporary crown, for recording an occlusal registration, and also as a waxing sleeve or a corrective coping.

When using the one-piece sleeve as an impression transfer, it is essential to confirm that an internal flat of the sleeve has been aligned with an external flat on the abutment.

Prior to the intraorally cementing of a crown on a shouldered abutment, a radiograph must be taken to ensure that the crown is fully seated.

The aluminium oxide sleeve must be ground wet either using a sintered diamond disk or a diamond wheel on a model trimmer.

Only aluminous porcelains may be used in conjunction with the aluminium oxide sleeve.\* (n.b., metal-ceramic type porcelains and pressable ceramics are NOT compatible with aluminium oxide sleeve.)

A 3.5mm shouldered abutment crown MUST be extra-orally cemented.

#### Temporary Abutments

##### Temporary Abutments with a 3.0mm Post

Description	Dia.	Height	Post	Style
4.0 x 4.5mm Temporary Abutment 3.0mm Post	4.0mm	4.5mm	3.0mm	Titanium
4.0 x 6.5mm Temporary Abutment 3.0mm Post	4.0mm	6.5mm	3.0mm	Titanium

5.0 x 4.5mm Temporary Abutment 3.0mm Post	5.0mm	4.5mm	3.0mm	Titanium
5.0 x 6.5mm Temporary Abutment 3.0mm Post	5.0mm	6.5mm	3.0mm	Titanium
6.5 x 4.5mm Temporary Abutment 3.0mm Post	6.5mm	4.5mm	3.0mm	Titanium
6.5 x 6.5mm Temporary Abutment 3.0mm Post	6.5mm	6.5mm	3.0mm	Titanium

#### Temporary Abutments with a 2.5mm Post

Description	Dia.	Height	Post	Style
4.0 x 4.5mm Temporary Abutment 2.5mm Post	4.0mm	4.5mm	2.5mm	Titanium
4.0 x 6.5mm Temporary Abutment 2.5mm Post	4.0mm	6.5mm	2.5mm	Titanium
5.0 x 4.5mm Temporary Abutment 2.5mm Post	5.0mm	4.5mm	2.5mm	Titanium
5.0 x 6.5mm Temporary Abutment 2.5mm Post	5.0mm	6.5mm	2.5mm	Titanium

#### Temporary Abutments with a 2.0mm Post

Description	Dia.	Height	Post	Style
3.5 x 4.5mm Temporary Abutment 2.0mm Post	3.5mm	4.5mm	2.0mm	Titanium
3.5 x 6.5mm Temporary Abutment 2.0mm Post	3.5mm	6.5mm	2.0mm	Titanium
4.0 x 4.5mm Temporary Abutment 2.0mm Post	4.0mm	4.5mm	2.0mm	Titanium
4.0 x 6.5mm Temporary Abutment 2.0mm Post	4.0mm	6.5mm	2.0mm	Titanium
5.0 x 4.5mm Temporary Abutment 2.0mm Post	5.0mm	4.5mm	2.0mm	Titanium
5.0 x 6.5mm Temporary Abutment 2.0mm Post	5.0mm	6.5mm	2.0mm	Titanium

#### Sinus Lift Temporary Abutment with a 3.0mm Post

Description	Dia.	Height	Post	Style
6.5 x 2.5mm Sinus Lift Temporary Abutment 3.0mm Post	6.5mm	2.5mm	3.0mm	Titanium
7.0 x 2.5mm Sinus Lift Temporary Abutment 3.0mm Post	7.0mm	2.5mm	3.0mm	Titanium

#### Temporary Abutment Considerations

Temporary abutments should be placed with finger pressure only, especially the 2.5mm posts.

Temporary abutments are made of surgical grade titanium alloy Ti6Al4V.

The hemispherical portion of a temporary abutment matches the profile of the corresponding non-shouldered abutment with the same diameter.

Temporary abutments are designed to form a gingival sulcus and to preserve papillae during the one stage surgical procedure or after a two stage uncovering procedure.

Choose an abutment height that is sufficient to laterally support the interproximal papillae without its being too tall such that it would receive undesirable forces from the tongue.

The abutment height is measured from the top of the implant to the top of the abutment when the abutment is fully seated.

Temporary abutments may be modified with a #1557 carbide bur or other carbide burs.

### Healing Abutments

#### Healing Abutments with a 3.0mm Post

Description	Dia.	Height	Post	Angle	Style
5.0 x 5.0mm 0° Healing Abutment 3.0mm Post	5.0mm	5.0mm	3.0mm	0°	Plastic
5.0 x 8.0mm 0° Healing Abutment 3.0mm Post	5.0mm	8.0mm	3.0mm	0°	Plastic
6.5 x 5.0mm 0° Healing Abutment 3.0mm Post	6.5mm	5.0mm	3.0mm	0°	Plastic
6.5 x 8.0mm 0° Healing Abutment 3.0mm Post	6.5mm	8.0mm	3.0mm	0°	Plastic
7.5 x 5.0mm 0° Healing Abutment 3.0mm Post	7.5mm	5.0mm	3.0mm	0°	Plastic

#### Healing Abutments with a 2.5mm Post

Description	Dia.	Height	Post	Angle	Style
4.0 x 5.0mm 0° Healing Abutment 2.5mm Post	4.0mm	5.0mm	2.5mm	0°	Plastic
5.0 x 5.0mm 0° Healing Abutment 2.5mm Post	5.0mm	5.0mm	2.5mm	0°	Plastic

#### Healing Abutments with a 2.0mm Post

Description	Dia.	Height	Post	Angle	Style
4.0 x 5.0mm 0° Healing Abutment 2.0mm Post	4.0mm	5.0mm	2.0mm	0°	Plastic
4.0 x 8.0mm 0° Healing Abutment 2.0mm Post	4.0mm	8.0mm	2.0mm	0°	Plastic
5.0 x 5.0mm 0° Healing Abutment 2.0mm Post	5.0mm	5.0mm	2.0mm	0°	Plastic
5.0 x 8.0mm 0° Healing Abutment 2.0mm Post	5.0mm	8.0mm	2.0mm	0°	Plastic

#### Healing Abutment Considerations

Healing abutments are polycarbonate and are indicated for cases in which an abutment is needed to develop and preserve the sulcus and papillae for 180 days or less.

Healing abutments may be modified to meet a desired clinical shape.

The indicated diameter of a healing abutment is measured at its widest diameter. Its height is measured from the occlusal end of the post to the highest occlusal portion of the healing abutment.

If a healing abutment post were to fracture, removal is facilitated with the use of a round carbide bur.

#### Abutments with a 3.0mm Post

Description	Height	Angle	Post
2.0mm 0° Abutment 3.0mm Post	2.0mm	0°	3.0mm
2.0mm 15° Abutment 3.0mm Post	2.0mm	15°	3.0mm

4.0mm 0° Abutment 3.0mm Post	4.0mm	0°	3.0mm
4.0mm 15° Abutment 3.0mm Post	4.0mm	15°	3.0mm
6.0mm 0° Abutment 3.0mm Post	6.0mm	0°	3.0mm
6.0mm 15° Abutment 3.0mm Post	6.0mm	15°	3.0mm

#### Abutments with a 2.5mm Post

Description	Height	Angle	Post
2.0mm 0° Abutment 2.5mm Post	2.0mm	0°	2.5mm
2.0mm 15° Abutment 2.5mm Post	2.0mm	15°	2.5mm
4.0mm 0° Abutment 2.5mm Post	4.0mm	0°	2.5mm
4.0mm 15° Abutment 2.5mm Post	4.0mm	15°	2.5mm
6.0mm 0° Abutment 2.5mm Post	4.0mm	0°	2.5mm
6.0mm 15° Abutment 2.5mm Post	4.0mm	15°	2.5mm

#### Abutments with a 2.0mm Post

Description	Height	Angle	Post
2.0mm 0° Abutment 2.0mm Post	2.0mm	0°	2.0mm
2.0mm 15° Abutment 2.0mm Post	2.0mm	15°	2.0mm
4.0mm 0° Abutment 2.0mm Post	4.0mm	0°	2.0mm
4.0mm 15° Abutment 2.0mm Post	4.0mm	15°	2.0mm
6.0mm 0° Abutment 2.0mm Post	6.0mm	0°	2.0mm
6.0mm 15° Abutment 2.0mm Post	6.0mm	15°	2.0mm

#### Abutment Restorative Components

Description
Abutment Chairside Kit
Impression Kit without Housing
Abutment Impression Kit
Rubber O-rings: Hard (10)
Rubber O-rings: Soft (10)

#### Locator® Abutments

##### Locator® Abutments with a 3.0mm Post

Description	Dia.	Height	Angle	Post
1.0mm Locator Abutment 3.0mm Post	4.0mm	1.0mm	0°	3.0mm
2.0mm Locator Abutment 3.0mm Post	4.0mm	2.0mm	0°	3.0mm
3.0mm Locator Abutment 3.0mm Post	4.0mm	3.0mm	0°	3.0mm
4.0mm Locator Abutment 3.0mm Post	4.0mm	4.0mm	0°	3.0mm
6.0mm 15° Abutment 3.0mm Post	4.0mm	5.0mm	0°	3.0mm

\*Each Locator abutment is packaged with a male processing kit.

##### Locator® Abutments with a 2.0mm Post

Description	Dia.	Height	Angle	Post
1.0mm Locator Abutment 2.0mm Post	4.0mm	1.0mm	0°	2.0mm
2.0mm Locator Abutment 2.0mm Post	4.0mm	2.0mm	0°	2.0mm
3.0mm Locator Abutment 2.0mm Post	4.0mm	3.0mm	0°	2.0mm
4.0mm Locator Abutment 2.0mm Post	4.0mm	4.0mm	0°	2.0mm
5.0mm Locator Abutment 2.0mm Post	4.0mm	5.0mm	0°	2.0mm

**Locator® Accessories**

Description
Locator Male Processing Kit (2)
Locator Extended Range Green Cap (4)
Locator Impression Kit
Locator Core Tool

**Locator® Abutment Considerations**

The Locator® Attachment features a denture component with a skirt that easily locates the mating implant abutment.

The self-aligning ability of the attachment aids the patient in positioning their prosthesis in similar manner as a guide plane created by a milled bar.

The implant retained overdenture can be properly seated without damage to the attachment components. This is especially important for a patient lacking anatomical structures necessary to orient their denture due to a severely resorbed mandibular ridge.

**Fixed-Detachable Abutments**

**Fixed-Detachable Abutments with a 2.0mm Post**

Description	Dia.	Height	Angle	Post
4.0 x 3.0mm 0° Abutment 2.0mm Post	4.0mm	3.0mm	0°	2.0mm
4.0 x 3.0mm 15° Abutment 2.0mm Post	4.0mm	3.0mm	15°	2.0mm
4.0 x 5.0mm 0° Abutment 2.0mm Post	4.0mm	5.0mm	0°	2.0mm
4.0 x 5.0mm 15° Abutment 2.0mm Post	4.0mm	5.0mm	15°	2.0mm

**Fixed-Detachable Abutments with a 3.0mm Post**

Description	Dia.	Height	Angle	Post
4.0 x 3.0mm 0° Abutment 2.0mm Post	4.0mm	3.0mm	0°	3.0mm
4.0 x 3.0mm 15° Abutment 2.0mm Post	4.0mm	3.0mm	15°	3.0mm
4.0 x 5.0mm 0° Abutment 2.0mm Post	4.0mm	5.0mm	0°	3.0mm
4.0 x 5.0mm 15° Abutment 2.0mm Post	4.0mm	5.0mm	15°	3.0mm

**Fixed-Detachable Abutment Restorative Components**

Description	Length
Plastic Transfer and Castable Copings (4)	
Titanium Transfer Copings (4)	
Metal Abutment Analogs (4)	
5.0mm Hex Coping Screws (4)	5.0mm
10mm Hex Coping Screws (4)	10.0mm
Hex Retention Screws (4)	
Hex Cover Screws (4)	

	<p><b>Abutment Selection Guides</b>  <b>Non-Shouldered Abutment Overlay</b></p> <p><b>Description</b>  Non-Shouldered Abutment Overlay</p> <p><b>Abutment Overlay</b></p> <p><b>Description</b>  Abutment Overlay</p>
28	<p><b><u>HIGH SPEED ELECTRIC DRILL SYSTEM WITH ATTACHMENTS</u></b>  It should be compact in size and light weight. Should have max speed of 80000 rpm and have irrigation connections and facilities with integrated cooling mechanism for heat control of handpiece. Option for hand control should be available. Bi-directional rotation system with control from either system console or foot pedal. Quick connect and disconnect assembly required. Motor should be able to deliver high power and high torque. Should be autoclavable. Foot control should provide accelerator like speed control with buttons for on and off, and for change of rotation direction. Console should have easy handling with digital display, sterilization case and tray with cart.</p> <p><u>Attachments –</u>  Heavy duty straight handpiece, heavy duty contrangle handpiece, chuck driver system upto 4mm diameter, oscillating saw handpiece, sagittal saw handpiece, reciprocating saw handpiece, oscillating saw blades of all sizes, sagittal saw blades of all sizes, reciprocating saw blades of all sizes, bone cutters- ball type round sizes- 1 mm to 5 mm, carbide type, diamond style cutters from 1 mm to 5 mm. Handpiece cleaning oil and brushes.</p>
29	<p><b><u>DENTAL SAND BLASTER</u></b></p> <p>Divesting nozzle for recyclable abrasive 3.00 mm nozzle. Easy micro blasting tanks for disposable media fitted with 0.8 mm nozzle (0.5-0.8-1.2-2.0 mm nozzle available)</p>
30	<p><b><u>DENTAL CASTING MACHINE</u></b></p> <p>High starting torque, closed circuit cooling system. The coolant level can be checked annually using the front mounted operating panel. Coolant level warning light, cover lock indicator, clear view of the alloy fusion process. Touch button control panel, timed end-of-cycle shutdown of cooling pump.  Auto standby function when idle for 5 minutes.  Standard accessories included.</p> <p><u>Technical data</u>  Power supply 230V-50/60 Hz, 2500W  Generator power consumption 2000 W  Dimension 600x980x620 mm.  Weight 95 kg</p>
31	<p><b><u>FIBRE OPTIC BRONCHOSCOPE</u></b></p> <p>Light weight, height resolution bronchoscope with light cable. Field of view 120 degrees or more, depth of field 3mm to 50 mm or better. Distal end dia 5mm approx. (should allow 6.5 mm endotracheal tube to be mounted easily). Bending range UP 180 degree or DOWN 130 degree, working length 600 mm or more. Total length 900 mm or more. Channel dia 2.2 mm or more. Autoclavable suction valve to avoid risk of cross contamination. Telescopic eyepiece for direct compatibility to CCTV system. Bending mechanism knob without lock. Fully immersible in disinfectant solution. Leak testing facility with automatic &amp; pressure regulated air feeding (non-pressure gauge system preferable). Halogen Light Source: It should be compact and light weight around 5-6 kg or less for easier transportability. It should have 150 watts halogen lamp with standby lamp option. Additional 4 nos. Bulbs to be included. Should be compatible with flexible endoscope.</p> <p><u>Video Processing System(OPTIONAL)</u>  Fully immersible camera head and cable assembly, Video processing camera, ¼ inches CCD (Closed circuit display) with 10 bit digital signal processing, In built filter for compatibility with fiberoptic endoscopies, Resolution: 470 horizontal</p>

	<p>lines approx., Signal to Noise Ration &gt; 50, Rotatable and detachable coupler (adaptor) with focusing facility, Video output Y/C and composite.  System Configuration Accessories, spares and consumables  Flexible Fibreoptic Bronchoscope- 01  Light source, Halogen- 01  Mobile Plastic Operating cart- 01  Spare Halogen Bulbs- 04  Reusable and autoclavable biopsy forceps- 02 nos  Cleaning /maintenance kit including container for disinfectant solution- 01 set  Brush biopsy (protected)- 50 pieces  Foreign body forceps basket type – 02nos.  Enviornmental factors  The unit shall be capable of operating continuously in ambient temperature of 10-40 deg C and relative humidity of 15-90%  The unit shall be caopable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90%  It shall meet IEC-60601-1-2:2001(or Equivalent BIS) General Requirements of Safety for Electromagnetic compatibility.  Power Supply  Power input to be 220-240 VAC, 50 Hz  Type of protection against electric shock Class I (3 core cord) to be supplied for the Light source  Standards, Safety and Training  Product should be FDA/CE or ISI approved  Manufacturer should be ISO certified for quality standards  Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements  Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/ maintenance manual.  Degree of Protection Against. Electric Shock Type BF – Should incorporate insulated patient attachment for light source.  Certification of meeting Biocompatibilty as per ISO 10993-1, “Biological evaluation of medical devices- part 1: Guidance on selection of tests”.  Certified to meet the current leakage requirement of IEC 60601-2-18 or equivalent standard for Medical Equipment particular requirement for safety of endoscopy equipments.  Comprehensive warranty for 5 years and provision of AMC for next 5 years  Documentation  User manual in English  Maintenance Manual in English  Certificate of Calibration and inspection from the factory  List of important spares and accessories with their part number and costing.  Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service/ technical manual.  User list to be provided with performance certificate. Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered</p>
32	<p><b><u>VIDEO LARYNGOSCOPE</u></b>  Approx cost : 18-20 lacs.  The intubating fibreoptic scope set should be water proof, fully immersible for cleaning and disinfection. It should allow minimum deflection up/down :130-140 degree, deflection of view :88-90 degree, angle of view :88-90 degree, depth of field : 3-50 mm. Dimensions of distal tip diameter :3.4 mm to 3.7 mm, insertion tube diameter :3.5 mm, working channel diameter :1.4mm to 1.5mm,</p>

	<p>minimum working length :60 cm, minimum total length :85 cm. With a flexible light source cable with diameter between 3.5cm-4.8mm and minimum length of 175-180 cm. Allow simultaneous use of suction and oxygen. Xenon light source should be there with colour temperature 5500-6000 K, xenon lamp 75 watt, Power supply 220-240 V/50-60 Hz. It should have brightness control. The monitor should have 19” colour TFT flat screen, separate audio and video channels compatible with S-video, RGB and Endovision camera.</p> <p>3CCD-Chip image sensor, sensitivity of &lt;5 lux in standard mode and &lt;3 lux integrated mode, with a resolution of 700-800 lines horizontal, have integrated parfocal zoom lenses of 30-50mm. Manual or automatic digital exposure control and integrated image processing module. Have RGB, DV and S-vidoe signal compatibility. Minimum 3mt cable and operate on 220V/ 50Hz.</p> <p><u>Mobile cart/trolley</u></p> <p>Made of heavy CRC sheets, have minimum 3 shelves and 1 drawer.Antistatic freely movable castor wheels of minimum 125mm diameter with brakes. Provided with electrical sockets.</p> <p><u>Accessories</u></p> <p>Cleaning brush long- 02, cleaning brush short- 02, suction buttons- 02, suction channel cleaning adaptor- 02, rubber inlet seal- 10, ETO venting cap- 02, lens cleaner- 02, bite block- 02, carrying case- 01, spare xenon lamp- 01.</p> <p>A CPU with Pentium- IV or its equivalent processor, a 17” TFT monitor, a UPS and laser printer. Image capturing and processing software compatible to the software provided with CPU. The company should provide a minimum warranty of 2 years and CAMC for 3 years after the expiry of warranty.</p>
33	<p><b><u>Pneumatic Crown &amp; Bridge Remover</u></b> Air activation with respected and low impact force</p>
34	<p><b><u>Hydraulic Surgical Operating Table</u></b></p> <ul style="list-style-type: none"> <li>• Hydraulic system with lever action hydraulic lift controlled by foot pedal</li> <li>• Strong, sturdy base with independent locking system ensuring stability &amp; smooth movements</li> <li>• Fitted with Nickel-Chromium plated side rails and accessorises.</li> </ul> <p>Dimension Length – 2150 mm Width - 510 mm Minimum Height- 715 mm Maximum Height- 2150 mm Lateral Tilt- Left &amp; Right by 28 degree Back rest section – 80 degree upright to 30 degree down</p>
35	<p><b><u>Electrical Nerve Locator / Stimulator</u></b></p>
36	<p><b><u>LUXATORS</u></b></p> <p>Set of 7 (Straight blade, curve blade, contra angle blade, inverted curve blade, straight blade inter proximal, curve blade for large molar, straight blade with tan handle.</p>
37	<p><b><u>ULTRASONIC CLEANER</u></b></p>

	<p>Tank capacity 10-13 ltrs.  Overall dimensions 11.3x7.88x7.63 inches.  Power 400 watts  Operating frequency 56 KHz  Portable inbuilt heater and circuit protector  External drainage system.  Wide Digital display  Rinse time 2-30 minutes  Weight 15 kg.</p>																											
38	<p><b><u>DENTAL SOFT TISSUE LASER</u></b></p> <p>Type Diode ALGAAS/IN GASP.  Wave length 810mm.980 mm  Power output 5-7 W  Aiming beam 650mm/lmw controllable  Operating mode CW or Pulsed  Pulse width 5ms-30s  Pulse width 5ms-10s  Pulse repetition Rate upto 100Hz  Laser delivery fibre – Fibre  Fibre core 400 Micron standard  200 &amp; 600 microns optional  Laser emission Alert – Audible and Visible Sign  Fibre connection Alert – Audible  Dimensions 13cmsx19cmsx18cms  Weight 1.5 kg  Input voltage 110-220V AC 50-60Hz.</p>																											
39	<p><b><u>PHSIODISPENSOR (SURGICAL MICROMOTOR)</u></b></p> <p><b>Control unit with AHC.</b>  <b>Convenirnt touch sdreen operation</b></p> <table border="1"> <tr> <td><b>Max. output/max. torque</b></td> <td><b>:</b></td> <td><b>210 w / 50 ncm</b></td> </tr> <tr> <td><b>Power Supply</b></td> <td><b>:</b></td> <td><b>AC 230 V 50-60HZ</b></td> </tr> <tr> <td><b>Max. pump output</b></td> <td><b>:</b></td> <td><b>0-75 ml/min</b></td> </tr> <tr> <td><b>Programs</b></td> <td><b>:</b></td> <td><b>8 Programs</b></td> </tr> <tr> <td><b>Dimensions Micromotor</b></td> <td><b>:</b></td> <td><b>w 268 x d 230 x h 103 (mm)</b></td> </tr> <tr> <td><b>Motor speed Foot control</b></td> <td><b>:</b></td> <td><b>200-40,000min-1</b></td> </tr> <tr> <td><b>Foot control functions</b></td> <td><b>:</b></td> <td><b>Speed control, coolant control, Forward / Reverse, Program control</b></td> </tr> <tr> <td><b>Speed control</b></td> <td><b>:</b></td> <td><b>Variable</b></td> </tr> <tr> <td><b>Torque control</b></td> <td><b>:</b></td> <td><b>7-55 ncm (max. upto 80 ncm)</b></td> </tr> </table>	<b>Max. output/max. torque</b>	<b>:</b>	<b>210 w / 50 ncm</b>	<b>Power Supply</b>	<b>:</b>	<b>AC 230 V 50-60HZ</b>	<b>Max. pump output</b>	<b>:</b>	<b>0-75 ml/min</b>	<b>Programs</b>	<b>:</b>	<b>8 Programs</b>	<b>Dimensions Micromotor</b>	<b>:</b>	<b>w 268 x d 230 x h 103 (mm)</b>	<b>Motor speed Foot control</b>	<b>:</b>	<b>200-40,000min-1</b>	<b>Foot control functions</b>	<b>:</b>	<b>Speed control, coolant control, Forward / Reverse, Program control</b>	<b>Speed control</b>	<b>:</b>	<b>Variable</b>	<b>Torque control</b>	<b>:</b>	<b>7-55 ncm (max. upto 80 ncm)</b>
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40	<p><b><u>SHIFTING TROLLEY WITH WHEELS</u></b></p> <p>Stretcher type with mattress.</p>																											
41	<p><b><u>ULTRA VIOLET CHAMBER FOR STORING AUTOCLAVED INSTRUMENTS</u></b></p> <p>With 12 shelves x 2 u.v. Tubes</p>																											
42	<p><b><u>X-RAY VIEWER (LED)</u></b></p> <p>LED light source with life of 50000 hrs with brightness of more than 4000 lux, light sourer</p>																											
43	<p><b><u>Mobile Dental Van with 2 Dental Chair and all attachments and adequate sitting space for 15-20 persons.</u></b></p>																											

