

PVMS OF DENTAL EQUIPMENT

DRAFT

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DRAFT

Clinical Specialty	Dental Treatment Unit
Generic Name	Dental Unit
Clinical Purpose	Dental Unit is a key equipment of any dental surgery, It is equipped with various dental instrument for dental treatment.

TECHNICAL SPECIFICATIONS

Manually / pragmatics adjustable flat headrest with removable magnetic head pad. The headrest extension can be pulled in or out depending on the patient's height. For upper jaw treatment.

Right armrest Swiveling for entry and exit of patient while left one is fixed

2 programmable / pre-set chair positions (Mouth rinsing and entry / exit position)

2 programmable chair positions for each user profile

Chair movement through silent electric motors / electro hydraulic system.

Automatic Emergency stop of chair once it meets an obstacle.

Synchronized movement of backrest and seat cushion by electric motors / electro hydraulic system prevents construction/over extension of the patient. The position of the patient's head on the headrest remains constant when the chair is lowered.

4-way Joystick for adjustment of chair & backrest positions / foot control.

Pneumatic Foot switch for controls of hand pieces, chip air and spray.

Dentist's Element

The control panel can be used for operating functions riehas chair management, preset and programmable positions, amp filling, burl rising. Hand piece holders without lockouts

5 hand piece positions including 3way syringe

Hand piece priority system (if one Hand piece in use others will not operate while lifting from holder)

Equipped with:

1 x 3-way syringe with autoclavable tip

3x fiber optic / self pereroty LD Light hanging hoses ready to use with F.O instruments

Removable silicone tray pad

Removable hand piece holder and tubing for cleaning and disinfection.

Assistant's Element

Swiveling assistant element mounted attached on water unit

Touch pad with function keys of entry / exit position, tumble filling, flushing the cuspidor and switch the light ON/OFF

Number of hand piece positions including 3way syringe: 04

Equipped with:

1 x 3-way syringe with autoclave able tip

1 x High Volume Evacuation hose, autoclave able suction hand pieces with adjustment suction pressure

1 x saliva ejector hose , autoclave able suction hand piece with adjustment suction pressure

Water Unit

Automatic Bowl Rinse function

Automatic Glass Fill function with time adjustment
 Clean water system with the facility to change from clean (water bottle) to tap water with switch
 Standard Wet suction through micro switches (read to connect to central / wet suction)

LED Operating Light

For optimum illumination of the treatment site
 Flexible positioning via three flexible joints
 Anti-glare for the patient through clearly confined luminous spot
 No-touch sensor for hygienic hands-free operation, Intensity change and light on/off
 Light on/off through control panel and via no-touch sensor
 Brightness is 8,000 – 27,000 Lux, 8,000-24,000 LUX, 3100-28000 LUX

02x Working Stools

360° swiveling backrest and seat with manual hand release button, mounted on 5-castors
Country of Origin: USA/Europe/Japan(Country of Manufacturer: USA/Europe/Japan)

Clinical Specialty	Dental Accessories
Generic Name	High Speed Air Turbine Hand Piece
Clinical Purpose	A dental Air Turbine is a small, high-speed drill used during dental procedures, usually to remove decay and shape tooth structure prior to the insertion of a filling or crown. A dental drill may also be used in the cleaning and shaping of root during endodontic treatment, or to remove old or temporary fillings or crowns prior to the insertion of new or permanent restorations.

TECHNICAL SPECIFICATIONS

Fixed connection, Midwest type
 Ceramic ball bearings
 Push button chuck type
 Power (W): 20
 Speed (Rpm): 400,000
 Tipple Spray
Country of Origin: USA / Europe / Japan

Clinical Specialty	Dental Accessories
Generic Name	Electric Scalar (Built-in)
Clinical Purpose	Ultrasonic scalars are used to remove calculus rapidly from the tooth surface. The scaling tip vibrates in the ultrasonic range

TECHNICAL SPECIFICATIONS

Built-in Ultrasonic LED Scalar

Flexible and easy to use with a selection of tips designed for use in specific treatment areas such as Scaling, periodontology, implantology, endodontics, retrograde root treatment, micropreparation, filling therapy.
 Powerful, efficient and gentle treatment
 Large selection of tips for every scaler
 Outstanding brightness in scalers with lights
 Sterilize-able hand piece and tips
 Drive: Piezoelectric
 Oscillation: Linear
 Oscillation frequency: 28-32 kHz
 Illumination: LED
Country of Origin: USA / Europe / Japan

Clinical Specialty	Dental Accessories
Generic Name	Slow Speed Air Motor
Clinical Purpose	

TECHNICAL SPECIFICATIONS

Slow Speed Air Motor with Internal water spray and speed range of 25,000 -40,000 rpm or better-with straight and contra angle attachment
Country of Origin: USA / Europe / Japan

Clinical Specialty	Dental Equipment
Generic Name	Light Cure Unit
Clinical Purpose	Curing light is a piece of dental equipment that is used for polymerization of light cure resin based composites.

TECHNICAL SPECIFICATIONS

The latest generation L.E.D. (Light Emitting Diode) curing light
 Power: 1,250-1400mW/cm² without raising the temperature
 Polymerization time: 6 - 20 seconds
 With Rechargeable battery
 Standard Accessories:
 Battery, Battery charger, Power supply cord, opalescent guide of diam. 7.5mm or better and an oval light shield
Country of Origin: USA / Europe / Japan

Clinical Specialty	Dental Electro Surgical Unit
Generic Name	Mini Cautery Unit
Clinical Purpose	Mini Cautery Unit is the device of a high-frequency (radio frequency) alternating polarity, electrical current to biological tissue as a means to cut, coagulate, desiccate, or fulgurate tissue

TECHNICAL SPECIFICATIONS

Decreased wattage for greater efficiency
 30-50 watts to perform all dental incision and coagulation acts providing more safety
 Controlled power
 Reliable and reproducible settings
 Safer with maximal efficacy
 Less energy loss
 User-friendly for a fast setting up
 Only two potentiometers (incision and coagulation)
 Settings can be very finely adjusted according to the different types of tissues encountered
 Conductive bracelet
 Easy to install to enhance patient acceptance
 In direct contact with the patient's skin
 Easily disinfected
 Adjusted to a contact region with a low resistance
 Perfect size to avoid concentration of heat
 More security: in compliance with new standards
 Light and autoclavable electrode holder
 Simple to mount electrodes
 Electrode is insulated by a sheath
 Can be used for clinical applications such as - Incisions/Excisions, Frenectomy, Gingivoplasty, Coagulation, Abscess incision, Exposure of impacted/retained teeth, Gingivectomy etc.
 10 electrodes classified according to their size and hemostatic capacity
 Incision, excision, fulguration and coagulation
 Fast and safe assembly
Country of Origin: USA / Europe / Japan

Clinical Specialty	Sterilization Unit/ Autoclave
Generic Name	Class B Autoclave
Clinical Purpose	Autoclaves are used in dental applications to perform sterilization of dental equipment's/ Instruments.

TECHNICAL SPECIFICATIONS

Chamber Capacity: 20-25 Liter(19-25 Liter)
 Loading Capacity: 5kg instruments and 1.8kg textiles or more
 Table top Standalone Class B-Autoclave
 Built-in Electric Steam Generator made of stainless steel
 Fully automatic microprocessor controlled autoclave
 Digital LCD display
 5 Sterilization programs
 Fast cycle programs
 Universal Program 134°C in 30min., Gentle Program 121°C in 45min. Prion Program 134 °C in 45 Min, Quick Program B 134°C in 28 Min. and Quick Program S in 15 Min.
 Vacuum and Bowie&Dick test program

<p>Serial interface for documentation Automatic electrical door lock with safety door lock system Built-in water quality sensor (conductivity sensor) Easy to use by single button start Electro-polished stainless steel chamber (316Ti) Platinum-temperature sensor PT1000 class A Internal storage of last 40 cycles data Built-in monitoring system to check the cycle automatically every 0.5 seconds Tipple-pre and deep post vacuum Temperature control 121°-134°C Two 4.5 liter reservoirs for fresh and waste water 5 pieces of compatible trays with the autoclave One piece of tray holder and Fully compliance according to EN 13060 Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Digital Dental Imaging Camera
Generic Name	Digital Intra Oral Camera
Clinical Purpose	Digital camera is a necessary tool in every dental practice. The type of digital camera system necessary will depend on the work being done and the output being produced for better diagnostic and planning.
TECHNICAL SPECIFICATIONS	
<p>Plug and Play Digital Intra Oral Camera System with LCD. Camera can be mounted on the dentist element as well as LCD on the Monitor arm situated on Light Pole Can shows the images directly on the LCD and as well as can store images in the PC through software Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Dental X-Ray Generator
Generic Name	Dental X-Ray Machine (Mobile)
Clinical Purpose	Radiographs used for many reasons: to find hidden dental structures, malignant or benign masses, bone loss, and cavities.
TECHNICAL SPECIFICATIONS	
<p>Compatible with Digital Sensors and Traditional Films 100% imported Scissor arm and mobile stand from the original manufacturer Short exposure times especially suitable for digital imaging Microprocessor controlled Tube Current 3.5 mA or better Tube voltage 70 kV or better Exposure time automatic adjustable Patient types: Child and Adult Automatic Selection of dose by Tooth selection</p>	

<p>Timer with integrated circuit Tubehead with 360° rotations with beam limiter Power on light signal, x-ray emission light signal Focal point 0.4-0.0mm or better with filtration system Power supply 220V/50Hz single phase Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Dental Radiology Sensor
Generic Name	Digital Imaging System (Photostimulable Phosphor) (Phosphorus Plate System)
Clinical Purpose	Digital Imaging System is an equipment use to scan digital x-ray images. Digital X-ray images used for many reasons: to find hidden dental structures, malignant or benign masses, bone loss, and cavities.
TECHNICAL SPECIFICATIONS	
<p>Operation under normal light conditions 16-bit or better High image quality with effective resolution 14-22LP/mm or better Rapid image availability within 7-8 sec Image read out, erase and make ready for the next use in one step Standby function Compact design place able in the direct vicinity of chair PC interface via USB and Network Common intraoral plates sized with 100% active surface area Complete with image viewing software on unlimited PCs in the Network Accessories: 2x image plate size: 4x image plate size: Light protective covers for image plates 1x Image plate storage box 10x Cleaning wipes for image plates 1x USB Cable Software with unlimited user license Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Dental Radiology Sensor
Generic Name	Digital Imaging System (Intra Oral Sensor)
Clinical Purpose	Digital Imaging System (For Single Surgery) is an equipment use to scan digital x-ray images. Digital X-ray images used for many reasons: to find hidden dental structures, malignant or benign masses, bone loss, and cavities.
TECHNICAL SPECIFICATIONS	

Sensor size 1 for Sharp, clear and low noise radiographs
 Round edges with full image
 Sensor Technology: CMOS APS (Active Pixel Sensor)
 Measured Resolution: 16lp/mm
 Theoretical Resolution: 16.7 lp/mm
 Sensor Cable Length: 1.8-3.8 meter
 Interface: High Speed USB 2.0
 Replaceable sensor cable / sensor
 Sensor status confirmation through LEDs on USB module
 Active Sensor Area: 30x20mm or batter
 USB Module with USB Cable 2.0: 3 meter or better
 Complete with all standard accessories
Country of Origin: USA/Europe/Japan

Clinical Specialty	Orthopantomograph (Dental Radiology Equipment)
Generic Name	2D Digital Panoramic and Cephalometric Unit with Single Sensor for PAN & CEPH
Clinical Purpose	An OPG is a panoramic or wide view x-ray of the lower face, which displays all the teeth of the upper and lower jaw on a single film.

TECHNICAL SPECIFICATIONS

3D Upgradable with 3D Volume 8x8cm without stitching

3-point patient immobilization positioning
 Automatic Patient positioning by Occlusal bite block and 02 laser beam system
 Automatic adjustment to the jaw width
 Automatic radiation management for different images
 Directly connectable to the network (Should has its own IP)

Programs:

Standard panoramic
 Pediatric Program
 Quick shot panoramic
 Image of left or right-hand side
 Image of individual quadrants
 Image of upper or lower jaw
 Constant magnification of Dentition
 Artifact-reduced image
 Thick-layer images of anterior region, both jaws
 Maxillary Sinuses image program
 Multislice in posterior tooth region
 Temporomandibular joint
 Bitewing image
 Lateral Ceph, PA, AP and Corpus View program through Ceph Arm

Technical data

Multi-pulse High frequency generator: 100-120 kHz
 X-ray generator : 60-90 KV, 3-16 mA – or more
 Sensor: CCD1

<p>Panoramic exposure time: 14 Second or better Patient positioning laser lights: 02 Useable to sitting/standing and wheelchair position Exposure controller with LCD display to show selected exposure parameters</p> <p>Software Manufacturer's own software for patient data, filters and image analysis Manufacturer's own DICOM support software for image printing on DICOM Printer</p> <p>Country of Origin: USA/Europe/Japan Branded PC with following configurations: Ci7 4th Generation, 4GB RAM, 1TB Hard Disk, 1GB Dedicated Graphic Card & 23" HD LED Monitor with Keyboard & Mouse</p> <p>Optional Selectable: Pure Sine wave Online UPS to take load of X-ray, PC and DICOM Printer with 10-15 Backup time DICOM Printer (Agfa / Carestream / Fuji or equivalent)</p>	
Clinical Specialty	Dental 3D Cone Beam Computed Tomography unit
Generic Name	3D Digital Dental Panoramic and Cephometric X-Ray Unit (CBCT)
Clinical Purpose	A panoramic radiograph is a panoramic scanning dental X-ray of the upper and lower jaw. It shows a two-dimensional view of a half-circle from ear to ear. Panoramic radiography is a form of tomography; thus, images of multiple planes are taken to make up the composite panoramic image, where the maxilla and mandible are in the focal trough and the structures that are superficial and deep to the trough are blurred.
TECHNICAL SPECIFICATIONS	
<p>3-Dedicated sensors for 3D, 2D Panoramic and Ceph applications 3-point patient immobilization positioning Automatic Patient positioning by Occlusal bite block and 02 laser beam system Automatic adjustment to the jaw width Automatic radiation management for different images Directly connectable to the network (Should has its own IP)</p> <p>Programs: Panoramic with 3D Slice Standard panoramic Image of left or right-hand side Image of individual quadrants Image of upper or lower jaw Constant magnification of Dentition Artifact-reduced image Thick-layer images of anterior teeth, both jaws Maxillary Sinus image program Temporomandibular joint</p>	

Bitewing image
 PA, AP and Corpus View program through Ceph Arm

Technical Data

Modes: Standard and High Definition
 3D Sensor: Flat panel detector
 2D Sensor: Direct conversion sensor
 Scan time: 2.5 -14 sec. or better
 Exposure time: 14 sec. or better
 Re-construction time: approx. 4-5 min. or better
 Patient position: Standing / sitting/wheel chair
 KV range: 60-90 KV
 mA range: 3-16 mA
 Imaging software: DICOM compatible
 Remote Exposure controller with LCD display to show selected exposure parameters

Software

Manufacturer's own software including the following features:
 Implant planning, Reporting, Crown and implant library, Nerve locator
 DICOM software for printing the images on DICOM Printer

Country of Origin: USA/EUROPE/JAPAN

Accessories:

Compatible Branded PC with Manufacturer recommended specifications (Documentary proof will be required) & HD LED Monitor with Keyboard & Mouse
 Pure Sine wave UPS to take load of X-ray, PC and Printer
 Compatible DICOM Printer (Agfa/Fuji/Kodak)

Clinical Specialty	Dental 3D Cone Beam Computed Tomography unit
Generic Name	3D Digital Dental Panoramic and Cephalometric X-Ray Unit (CBCT)
Clinical Purpose	A 3Dpanoramic radiograph is a panoramic scanning dental X-ray of the upper and lower jaw. It shows a two-dimensional view of a half-circle from ear to ear. Panoramic radiography is a form of tomography; thus, images of multiple planes are taken to make up the composite panoramic image, where the maxilla and mandible are in the focal trough and the structures that are superficial and deep to the trough are blurred.

TECHNICAL SPECIFICATIONS

3-point patient immobilization positioning
 Automatic Patient positioning by Occlusal bite block and 02 laser beam system
 Automatic adjustment to the jaw width
 Automatic radiation management for different images
 Directly connectable to the network (Should has its own IP)

Programs:

Panoramic with 3D Slice
 Standard panoramic

Image of left or right-hand side
 Image of individual quadrants
 Image of upper or lower jaw
 Constant magnification of Dentition
 Artifact-reduced image
 Thick-layer images of anterior teeth, both jaws
 Maxillary Sinus image program
 Temporomandibular joint
 Bitewing image
 PA, AP and Corpus View program through Ceph Arm

Technical Data

Volume: 8x8cm in single exposure without stitching or better
 Modes: Standard and High Definition
 3D Sensor: Flat panel detector
 2D Sensor: CCD
 Scan time: 2-5 sec. or better
 Exposure time: 14 sec. or better
 Re-construction time: approx. 1.5 min. or better
 Visualization time: approx. 4.5 min. or better
 Patient position: Standing / sitting
 KV range: 60-90 KV
 mA range: 3-16 mA
 Imaging software: DICOM compatible
 Exposure controller with LCD display to show selected exposure parameters

Software

Manufacturer's own software including the following features:
 Implant planning, Reporting, Crown and implant library, Nerve locator
 DICOM software for printing the images on DICOM Printer

Country of Origin: USA/Europe/Japan

Branded PC with following specifications:
 Ci7 4th Generation, 8GB RAM, 2TB Hard Disk, 2GB Dedicated Graphic Card & 23" HD LED Monitor with Keyboard & Mouse

Accessories:
 DICOM Printer (Agfa / Carestream / Fuji or equivalent)

Optional (If any):
 Pure Sine wave Online UPS to take load of X-ray, PC and DICOM Printer with 10-15 Backup time

Clinical Specialty	Dental Electric Motor
Generic Name	Electric Motor Slow Speed
Clinical Purpose	Dental Bone Cutting, Drilling.

TECHNICAL SPECIFICATIONS

<p>Brushless micro motors electronically controlled with perfection. Always provide constant maximum torque over a wide speed range of approx. 100-40,000 rpm. Hygiene is part of the basic design of motors as well: all motors and adapters have an anti-retraction valve, maintenance-free and can be sterilized at up to 134°C.</p> <p>Built-in Electric Motor Speed range: 1000-40000 or better rpm Torque: 3.0 Ncm Power: 61 watt Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Dental Instrument Sterilization.
Generic Name	Ultrasonic Cleaner
Clinical Purpose	It uses to sterilize dental instruments.
TECHNICAL SPECIFICATIONS	
<p>Should have capacity of 06-09 liter A table top ultrasonic cleaner Should be microprocessor controlled Should have digital display control panel Should have degassing time setting Have cleaning time programmable from 0-99 min. Having temperature upto 70C° Jet program function for quick and easy cleaning cycles Sweep mode system Transducers: 2-3 Power consumption: 180W or better Voltage: 230V / 50Hz Standard accessories Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Dental Mixing Unit
Generic Name	Amalgamator
Clinical Purpose	A dental apparatus that mixes a material of "silver" used for tooth fillings called amalgamator
TECHNICAL SPECIFICATIONS	
<p>High Speed Mixer for pre-measured amalgam capsules Microprocessor controlled Noiseless operation Full electrical safety Maintenance free Oscillating range: 25mm Mixing frequency: 4000 vibrations/min Made of injection moulded material Dis-activated when the front cover is open</p>	

Country of Origin: USA/Europe/Japan	
Clinical Specialty	Endodontic Treatment Motor
Generic Name	Endo Motor with Built-in Apex Locator
Clinical Purpose	Use in Root Canal Treatment (R.C.T)
TECHNICAL SPECIFICATIONS	
<p>Portable unit to perform root canal preparation in several treatment rooms. Battery-powered unit and can be used during charging. Should have integrated apex locator The machine should have file library User interface for easy operation with tillable display for optimum view. Integrated apex locator for optimal measuring accuracy without a file clamp when using the contra-angle handpiece. Automatic Motor Stop Rotation Clockwise and anticlockwise Wire / Wireless Treatment The unit should be equipped with a storage battery with the backup time of 2 hours or better. Removable and disinfect able Motor Holder Frequency: 50-60Hz Power: 30W or better Motor Speed: 1200 -13000 rpm or better Torque: 0.3 - 5 Ncm Country of Origin: USA / Europe / Japan</p>	
Clinical Specialty	Suction System for Multiple Dental Surgeries
Generic Name	Central Suction System
Clinical Purpose	Suction Unit
TECHNICAL SPECIFICATIONS	
<p>Dry air suction system for upto 12 treatment chairs and simultaneous operators 8 High quality robust drive motors Reliable continuous operation High quality condensate separator to protect the unit from condensate Runners made from corrosion-resistant plastic Vacuum mbar : 160 (NLV)² Noise level: 70 dB(A) Voltage: 400 (3) V Frequency: 50 Hz Electrical output: 3.3 kW or more Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Compressor for Multiple Dental Surgeries

Generic Name	Central Compressor System
Clinical Purpose	Provide Compress air to operate dental unit and accessories.
TECHNICAL SPECIFICATIONS	
<p>Unique single stage oil free reciprocating compressor designed for operating at maximum working pressure of 10 bar with the capacity of 960l/min with refrigerant dryer mounted on the receiver tank suitable for 25 units</p> <p>Working pressure: 10 bar Free Air delivery at 10 bar: 960 l/min / or more Motor power: 10 Hp or 7.5kW Noise level: 86 dB (A) or loss Dryer type: Refrigerant Air Receiver: 500 Liter Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Compressor for Dental Surgery
Generic Name	Oil Free Air Compressor for 1x Dental Unit
Clinical Purpose	Provide Compress air to operate dental unit and accessories.
TECHNICAL SPECIFICATIONS	
<p>Free Air Delivery: 110 l/min or more Tank Capacity: 24 Liter Noise Level: 75 dB(A) or loss Working Pressure: 8 bar Revolution: 1400 rpm /min Country of Origin: USA/Europe/Japan</p>	
Clinical Specialty	Water Distiller
Generic Name	Water Distiller
Clinical Purpose	Use to make distilled water from tap water for dental autoclave and surgical accessories.
TECHNICAL SPECIFICATIONS	
<p>Capacity: 4 Liters Voltage: 230V / 50Hz</p>	
Clinical Specialty	Dental Teaching Model
Generic Name	Phantom Head Lab
Clinical Purpose	Uses for dental teaching Purpose
TECHNICAL SPECIFICATIONS	
Dentist element with dual joint arm	

Pneumatic foot control
 Standard 3-way syringe
 2 turbine hoses
 LEDlight
 Operating light
 Manual height adjustment
 Manual tilt adjustment
 Torso with phantom head
 EasyPad
 Operating element
 Standard

Clinical Specialty	Surgical Electric Micro Motor
Generic Name	Surgical Electric Micro Motor with Straight and Contra Angle Surgical Handpiece
Clinical Purpose	Use for Oral Surgical Procedures.

TECHNICAL SPECIFICATIONS

Max. torque at the rotary instrument*: 80 Ncm or better
 Documentation**: yes / USB
 Mains voltage: 100 – 130 V or 220 – 240 V, 50 / 60 Hz
 Max. mechanical output power: 100 W
 Max. torque at the motor: 7 Ncm
 Motor speed range in the nominal voltage: 300 min⁻¹ – max. 40,000 min⁻¹,
 safety stop at 40,000 min⁻¹
 Length of motor cable: 1.8 m, 3.5 m
 Foot control: yes

Clinical Specialty	Dental Equipment
Generic Name	Condenser:
Clinical Purpose	

TECHNICAL SPECIFICATIONS

Abbe condenser, N.A. 1,25 with centering system.

Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Piezoelectric Surgery (bone cutting) kit for oral and maxillofacial surgery
Clinical Purpose	Use for pre-implant/ oral surgical procedures

TECHNICAL SPECIFICATIONS

<p>Powerful, reliable and safe components dedicated to ultrasonic pre-implant surgery Accessories:</p> <ul style="list-style-type: none"> - 1 boosted ultrasonic handpiece - 1 footwitch with arch - 1 « » kit with its dynamometric wrench <ul style="list-style-type: none"> - Optic hand piece 	
Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Electric Neve Stimulator
Clinical Purpose	Use for electric current produced by a device to stimulate the nerves for therapeutic purposes.
TECHNICAL SPECIFICATIONS	
<p>Nerve stimulator accessory for non-invasive superficial nerve location For easy stimulation of superficial nerves through the skin Helps to reduce prolonged needle manipulation Teaching tool in the preparation room and for workshop settings</p>	
Item No. 28	
Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Multi-vector intra-oral bone distractors and distractors for implant augmentation
Clinical Purpose	Use for mandible distractions.
TECHNICAL SPECIFICATIONS	
<p>The Micro TRACK is perfectly suited for distracting single-tooth segments and bone segments with an ankylosed tooth. The TRACK 1.0 has been specially developed for distracting small, partial defects of the alveolar ridge segment. The TRACK 1 Plus is specifically intended for alveolar ridge segments comprising approx. three to four teeth (35 mm). The TRACK 1.5 can be used for larger alveolar ridge segments up to a width of 60 millimeters. The TRACK 2.0 is intended for highly atrophied and edentulous segments of the mandibular front.</p>	
Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Arthroscopic diagnostic system for temporomandibular joint in oral and maxillofacial surgery
Clinical Purpose	
TECHNICAL SPECIFICATIONS	
<p>Sterile procedure kit Working length: 60mm Procedure kit contents: sterile barrier sheath, cannula, trocar</p>	

Illumination sheath diameter: 1.8mm

Cannula diameter: 2mm

Trocar diameter: 1.8mm

Needle endoscopes

Working length: 60mm

Endoscope diameter: 1.4mm

FOV: 75 degree in air

Focus distance: 8mm from distal tip window

Depth of field: 4mm

Camera Control Unit

Function: 4in1 camera, light, mini PACS, touch screen display unit

Video output: compatible with all HDTV surgical displays: DVI (1), HD-SDI (2), 1920x1080 Px

Built-in LCD Display: 21 cm diagonal touch screen / 400:1 contrast

Accessory Ports: USB (3), SD Multimedia card, Ethernet, WiFi

Camera Head

Function: Camera head with illumination source

Imager / resolution: 3 chip HDTV high sensitivity & low noise

Full 1920x1080 px without interpolation

Video output: HDTV serial digital interface

Light output port: 1.5mm diameter fiber optics

Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Surgical endoscope for oral and maxillofacial use
Clinical Purpose	Small incisions or natural body openings in order to diagnose and treat disease

TECHNICAL SPECIFICATIONS

Semiflexible miniature endoscopes for exploring the salivary ducts and removing salivary stones

ALL-IN-ONE sialendoscopes with integrated irrigation and working channels

5° curvature at the distal tip or nitinol outer sheath (depending on the model)

Enables the minimally invasive removal of obstructions in the salivary ducts

Optimal reprocessing as sialendoscopes are autoclavable

cm-marking at the distal working end for reading the penetration depth

Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Cryosurgical unit for oral and maxillofacial surgery
Clinical Purpose	Use of extreme cold in surgery to destroy abnormal or diseased tissue

TECHNICAL SPECIFICATIONS

Should have four spray tips with apertures of various sizes (.04 - .016 inches) plus a 20-gauge straight spray and 20-gauge bent spray for more accurate, controlled treatments

Fingertip trigger provides maximum control and easy viewing; rotates for left-handed

users
 Safety Autovent enhances safety by gradually venting internal pressure as cap is unscrewed
 Streamlined relief valve maintains constant operating pressure for consistent, accurate freezing
 Stainless steel and brass construction ensures long life
 Polypropylene base provides extra stability while polypropylene cover and collar insulate user's hand
Capacity: 16 oz. (500ml)
Static Holding Time: 20 to 24 hours

Clinical Specialty	
Generic Name	CPR manikins with AED
Clinical Purpose	AED is a device use to diagnoses the life-threatening cardiacarrhythmias of ventricular fibrillation and ventricular tachycardia in a patient

TECHNICAL SPECIFICATIONS

Fully Automatic AED shoulddetect a shockable heart rhythm, it should deliver the shock on its own. No one should push a button. Once the Fully Automatic AED prompts “Don’t Touch Patient,” and the heart analysis begins, if a shock is needed, it should be delivered automatically after a brief verbal countdown.

This AED should give real-time feedback for both depth and rate of chest compressions, helping to provide the best CPR possible in a rescue. Audio and visual prompts should guide you to rescue with a confidence and clarity unmatched by any other AED.

- Not pushing hard enough? It should tell you when to “Push Harder.”
- Not pushing fast enough? A metronome should lead you to the right rate.
- Pushing hard and fast? You should hear “Good Compressions

Clinical Specialty	Dental/ Maxillofacial Surgery Tools
Generic Name	Therabite TMJ exerciser
Clinical Purpose	Therabite is a hand operated device that provides a simple option for jaw hypomobility and dysfunction

TECHNICAL SPECIFICATIONS

Fully Automatic AED shoulddetect a shockable heart rhythm, it should deliver the shock on its own. No one should push a button. Once the Fully Automatic AED prompts “Don’t Touch Patient,” and the heart analysis begins, if a shock is needed, it should be delivered automatically after a brief verbal countdown.

This AED should give real-time feedback for both depth and rate of chest compressions, helping to provide the best CPR possible in a rescue. Audio and visual prompts should guide you to rescue with a confidence and clarity unmatched by any other AED.
Not pushing hard enough? It should tell you when to “Push Harder.”
Not pushing fast enough? A metronome should lead you to the right rate.
Pushing hard and fast? You should hear “Good Compressions”

DRAFT