جامعة العلوم والتكنولوجيا الأردنية
دائرة العطاءات المركزية
عطاء رقم (20/2015)
أجهزة وتجهيزات لكلية طب الأسنان
<table>
<thead>
<tr>
<th>NO</th>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>PRICE</th>
</tr>
</thead>
</table>
| 1  | Vacuum forming    | - Vacuum thermoforming unit with reserve vacuum and touch panel  
- No compressed air supply  
- Touch less temperature sensor for accurate determination of the actual thermoforming material temperature  
- Short less preheating time  
- Sudden vacuum, built up before thermoforming process  
- Pre-stretching and forming produces results of even foil thicknesses  
- Completely accessible model during the heating process  
- Practical one-hand foil fixation for foil thicknesses ranging from 0 to 5 mm  
- 3D touch panel  

The program contains all thermoforming materials, has a display conducted operating and signalizes necessary working steps  
- The display informs about each operating status and the remaining time  
- Safety switch-off after 10 sec | 1   |       |
| 2 | Polymerization | - Can be used for the polymerization of various Heat and cold-curing resins.  

- Pressure can be regulated according to the materials that can be polymerized  

- Temperature setting from (30 °C to 120°C).  

- Automatic emptying of the water container.  

- Time settings between 0–30 minutes.  

- Built in pressure & temperature gauge.  

- Bench type. | 1 |
|---|---|---|
| 3 | Laboratory Micro motor | - Knee control type  

- Programmable through speed press-button  

- Pre-selectable 30,000 rpm speed with safety limit / switch  

- Speed approx. 1,000 - 50,000 rpm in clockwise operation  

- 2.35 chuck  

- Equipped with heavy duty lab hand piece | 4 |
<table>
<thead>
<tr>
<th></th>
<th>Curing Unit</th>
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<tbody>
<tr>
<td></td>
<td>- Bench type</td>
<td>Polymer of various heat cure resin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- <strong>2 Stage</strong> Polymerization Curing unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- <strong>2 Stage</strong> Timer control</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>- Capacity 10 normal flasks with press</td>
<td></td>
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<tr>
<td></td>
<td>- Water capacity 50 L Approx.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>- Automatically switch off after main polymerization time</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>- Equipped with water drainage system</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- High quality Stainless steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Digital display control (time, temp)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>- Heat up 93 °C Approx.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td><strong>Brass flask</strong></td>
<td>made of Brass Heavy duty &amp; quality</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Upper &amp; lower</td>
<td>Upper &amp; lower</td>
<td></td>
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<tr>
<td></td>
<td>Equipped with hold press (capacity of the hold is two flask QTY (20)</td>
<td>Equipped with hold press (capacity of the hold is two flask QTY (20)</td>
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<tr>
<td></td>
<td><strong>Light Cure Box</strong></td>
<td>- Light polymerization unit using the combination of (UVA) &amp; blue light for curing.</td>
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<td></td>
<td>- Suitable for light-curing custom-trays.</td>
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<tr>
<td></td>
<td>- Built in at least (3) UVA tubes lamps, (9) Watt each lamp</td>
<td>- Built in at least (3) UVA tubes lamps, (9) Watt each lamp</td>
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<tr>
<td></td>
<td>- Homogeneous blue light of (400-500) NM range</td>
<td>- Homogeneous blue light of (400-500) NM range</td>
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<tr>
<td></td>
<td>- Built in two timers (5 &amp; 10) sec.</td>
<td>- Built in two timers (5 &amp; 10) sec.</td>
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<tr>
<td></td>
<td>- High light intensity</td>
<td>- High light intensity</td>
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<td></td>
<td>- Internal rotating plate</td>
<td>- Internal rotating plate.</td>
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<tr>
<td></td>
<td>- Large tray for simultaneous curing of up to 4 models.</td>
<td>- Large tray for simultaneous curing of up to 4 models.</td>
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<tr>
<td></td>
<td>- Chambers dimensions H (250) mm, W (300) mm, L (350) mm approx.</td>
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<tr>
<td></td>
<td>- 220V 50H</td>
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</table>
| 7 | **Surveyor** | Precision bearings at all joints.  
Two horizontal joints (double hinged arm).  
Twofold vertically adjustable working level.  
Solid baseplate for $360\,^\circ$ stability.  
Detachable precision model table with secure model locking device.  
Model table and tool holding fixture can be swiveled $360\,^\circ$.  
Model holding plate can be swiveled with $0\,^\circ$ lock.  
Use of a second work table possible.  
Basic device with model table, collet chuck 2.35 mm, collet chuck 3 mm, set of tools with Ney system measurement set. | 4 |
|---|---|---|---|
| 8 | **Fully adjustable articulator** | Variable sideshift function for transversal clearance, adjustable from 0 to 1.5 mm (for each side)  
Variable protrusion, adjustable from 0 to 6 mm  
Variable retraction, adjustable from 0 to 2 mm  
Distraction permitting release of compressed mandibular joints from 0 to 3 mm  
Ideal for model analysis, splint | 1 |
manufacture and correction

lightweight and robust, providing perfect handling,

Adjustable inclination of the condyle track inclination from -20° to +60°

Bennett angle adjustable from -5° to +30°

Adjustable incisal – canine guidance

With 100 plastic model plate and retention disks

With calibration key Full system with all accessories and case

With high performance, precise full face bow

Cranium/axis relation determined in corresponding to the patient’s anatomy in Quick and secure the 3-D universal joint

Cranium-axis oriented transfer of maxillary model to the articulator transfers the real jaw position precisely to the articulator and consequently

Reliable reproducibility of arbitrary axis position using cushioned Leipzig Nasion

With all accessory and transfer plates
| 9   | **Hole drilling Laser pin system** | Fast and easy to use  
Laser beam for easy drill positioning  
class: 3A < 5mW  
Plate holder smoothly adjustable thus ensuring safe and fast operation  
Plate holder is secured magnetically and automatically when drilling starts  
Semi-automatic drilling at the press of a button (0.5 seconds per hole)  
Automatic drill advance guarantees identical boreholes in the plates  
Motor speed not less 2.500 min-1  
With complete starter kit  
With 100 pcs base plate each size  
With 10 carbide burr  
With 10000 pcs pin | 1 |

| 10  | **Heat Source** | - Provides unequalled convenience, reliability, and accuracy and the finest gutta percha condensation system  
- Equipped with Touch n heat tips  
plunger, Temperature display  
thick tip 1 mm & Plunger thin tip 0.5 mm , charger and adapter, contact clip  
- hand piece assembly | 4 |
<p>| | | | |</p>
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</table>
| 11| Cleans & Lubricates & Sterilizes M/C | "-Cleans& Lubricates & Sterilizes
- One fully automated process to"
Cleans& Lubricates & Sterilizes the hand pieces
Equipped with: - Set of baskets
- Instrument holder :-(6) SIRONA HIGH SPEED adapters
- Installation kit with waste water tank,
- Compressed air connection and air filter | 6 |
| 12| Portable Dental Intra oral X-Ray | - Portable type
-DC type
-Constant potential very high frequency generator
-selectable between 60 KV and 70KV
- selectable Amp (4-8)Mamp
-Focal spot 0.7mm
-Exposure times 0.01 to 2 sec
-Digital display programs
-Standard extension arm can be substituted
-Voltage 230v
Equipped with:-
- a remote keyboard allows to set all data
- coil cord extendable not less than (3m) | 1 |
|   | **Rotary micro motor** | Endodontic micro motor is a simple and easy to use unit designed for GDPs carrying out rotary endodontic.  
* Simple, flat control panel and LCD screen  
* Advanced hand piece - light and small head that can be adjusted at least 6 positions  
* Compact and portable - operates with or without foot pedal and can be battery operated as well as electrically powered  
- Three auto-reverse modes  
- 9 adjustable programmed selections  
Kit with ProTaper and 2 Contra Angles |   | 3 |
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<tr>
<td></td>
<td><strong>Implant and bar modules software</strong></td>
<td>Implant and bar modules software for cad cam system (Amman girbach)</td>
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</tbody>
</table>
Infrared Technology recognizes the size and controls the temperature of the investment ring and ensures optimum predrying processes.

QTK2 muffle technology with SiC bottom reflector for homogeneous heat distribution.

Modern operating concept featuring a large 7-inch colour touch screen and the proven membrane-sealed keypad for easy and intuitive operation.

Optical status and progress display (OSD) informs the user about the current status of the furnace.

Electronic press drive with force sensor produces high-quality press results. No compressed air connection required.

Crack Detection System detects cracks in the investment ring.

Easy and automatic temperature calibration at two reference points

Simple software update via USB flash drive or WLAN.

Remote diagnosis function via data file for optimum support by a service centre.

Integrated multimedia functions (photo viewer, video and MP3 player).

Power Saving Technology for power-saving operation.

Equipped with all accessoires

Two calibration set (option)
Dental Washer Disinfector M/C
Two doors
- High level washing, cleaning & disinfections
- Fully computerized control M/C
- Equipped with Led display
- Built in at least three washing programs
- High efficient hot air system
- Washing & disinfection Heat up to fully adjustable 90c
- Equipped with door locking s
- Equipped with display to indicates each stage (program & temperature)
- Equipped with High rate circulation pumps
- Equipped with Integrated water softener
  - Inner Champers & spray arms made of high quality of stainless steel
  - Slandered steam condenser to eliminate vapors
- Equipped with Complete accessory of baskets, inserts & trays
- Equipped with loading & unloading trolleys
- Approx. dim: - H (180)cm, W (60)cm, D: (60)cm
- Approx. champers volume: 170 Litter approx.
- Floor / Stand Type
- Especially for dental Washer & Disinfector instrument
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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| **Peizosurgery for Implant** | 1 basic kit, indicated for:  
- astronomy – osteoplasty  
- extraction – ridge expansion  
includes complete set of inserts  

- sinus lift kit, indicated for  
- preparation of the bone window  
- separation of the sinus membrane  
- elevation of the sinus membrane  
includes the inserts  

Supply with:  
- complete set of implant heads  
- complete set of extraction heads  
- complete set of extracting gum head |
|   | Dental Sterilization Trolley | - Trolley made of stainless steel.  
- Closed trolley as box  
- Equipped by door and shelf's  
- High quality trolley  
- Size approx. H 120  W: 60CM  D :.70cm  
- Top surface with (3) side guard railings.  
- Equipped by S.S. lockable door (with keys).  
- At least (4) S.S. Shelf on each side door, total shelf’s (8)  
- Shelf’s can be removed from its places  
- To be carrying dental kits from sterilization room to clinics rooms  
- 4 swivel castors (2 with brakes). Prefab ell with two doors (option) | 8 |
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<tbody>
<tr>
<td>19</td>
<td>Calibration m/c</td>
<td>Especially for celebrate sterilization</td>
</tr>
<tr>
<td>20</td>
<td>Tips for Sirona Water / air syringe</td>
<td>Water &amp; air syringe tips specially for sirona dental unite syringe Autocleavable tip</td>
</tr>
</tbody>
</table>
| 21 | **Printer for sirona orthoos xg pulse** | - Digital extra image printer  
- Specially for sirona orthoos xg pulse X ray m/c  
- Equipped with soft ware  
Compatible with sirona orthoos xg pulse  
- dry film printer  
- to print OPG & L.CPH | 1 |
| 22 | **Air conditioning** | Air conditioning  
Split unite  
3 TN  
Cool only | 2 |
| 23 | **Air conditioning** | Air conditioning  
Split unite  
TN 1.5  
Cool only | 1 |