TESTING OF
• ABRASION AND FATIGUE
• BITE SPLINTS
• CROWNS AND BRIDGES
• TEMPORARILY PROSTHETICS
• ABUTMENTS
• RETENTION FORCES
BASIC FEATURES
- Low-maintenance drive system
- 2 independent axes
- 8 specimen stations with identical movement pattern
- Easy attachment of various specimen and antagonists
- Specimen stations can be filled with liquids
- Vertical load generation by weights

USER INTERFACE AND SOFTWARE FEATURES
- 15” graphical touchscreen
- Integrated help and maintenance assistant
- User triggered protocol generation with data logging
- Remote access by LAN/Internet
- Online Update and Machine diagnostics by SD Mechatronik
- Data export by USB and Ethernet

OPTIONS
- Thermocycling
- Wear Measurement
- Force Measurement
- High Load Option (250 N)
- Customized specimen holders/antagonists

TECHNICAL DATA
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical load range in each station</td>
<td>10 N – 90 N (standard), optional up to 250 N</td>
</tr>
<tr>
<td>Speed range (both axes)</td>
<td>1 - 60 mm/s</td>
</tr>
<tr>
<td>Vertical (Z) axis travel</td>
<td>0 - 20 mm / 0,1 mm inc.</td>
</tr>
<tr>
<td>Horizontal (X) axis travel</td>
<td>0 - 20 mm / 0,1 mm inc.</td>
</tr>
<tr>
<td>User selectable movement pattern</td>
<td>Single axis, dual axis, full and half circular movement</td>
</tr>
<tr>
<td>Specimen station diameter, max. specimen height</td>
<td>Ø90 mm, 50 mm</td>
</tr>
<tr>
<td>Dimensions (Width x depth x height)</td>
<td>1600 x 700 x 950 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Max. 230 kg</td>
</tr>
<tr>
<td>Power supply</td>
<td>110 - 240 V~, .50/60 Hz, max. 160 W</td>
</tr>
<tr>
<td>Max. environmental temperature</td>
<td>40°C</td>
</tr>
</tbody>
</table>

SD MECHEATRONIK GMBH
Miesbacher Str. 34 · 83620 Feldkirchen-Westerham · GERMANY
Phone +49 8063 207 4593 · Fax. +49 8063 207 4594
e-mail: info@sdm-gmbh.de · web: www.sdm-gmbh.de

Abrasion test of 3D-printed temporarily prosthetics
Versatile antagonist attachment system
Control touchscreen
Load generation system with specimen height compensation