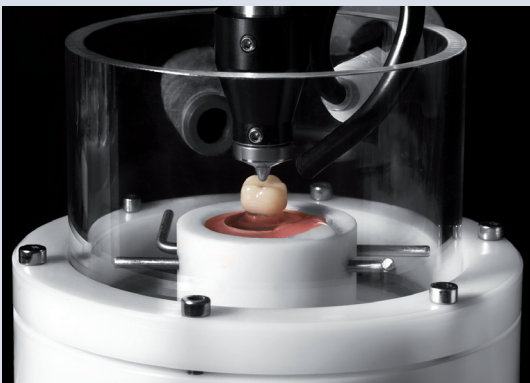


CHEWING SIMULATOR **CS-4.8** *professional line*

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

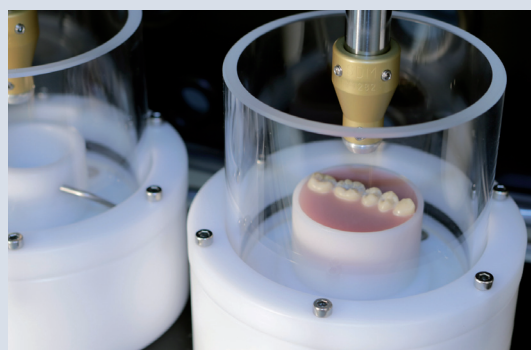
- 15" graphical touchscreen
- Integrated help and maintenance assistant
- User triggered protocol generation with data logging
- Remote access by LAN/Internet
- Online Update and Machine diagnostics by SD Mechatronik
- Data export by USB and Ethernet

OPTIONS

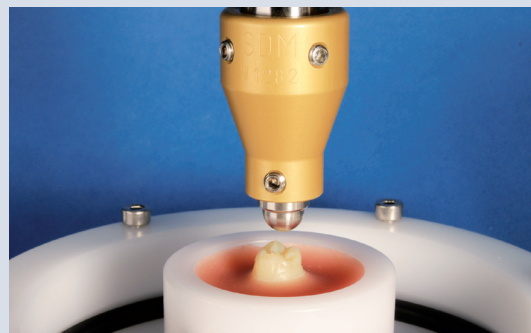
- Thermocycling
- Wear Measurement
- Force Measurement
- High Load Option (250 N)
- Customized specimen holders/antagonists

TECHNICAL DATA

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



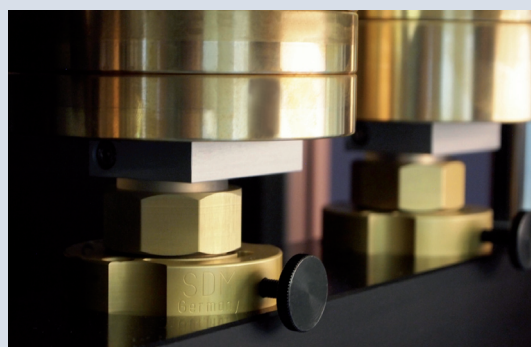
Abrasion test of 3D-printed temporarily prosthetics



Versatile antagonist attachment system



Control touchscreen



Load generation system with specimen height compensation

SD MECHATRONIK GMBH

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