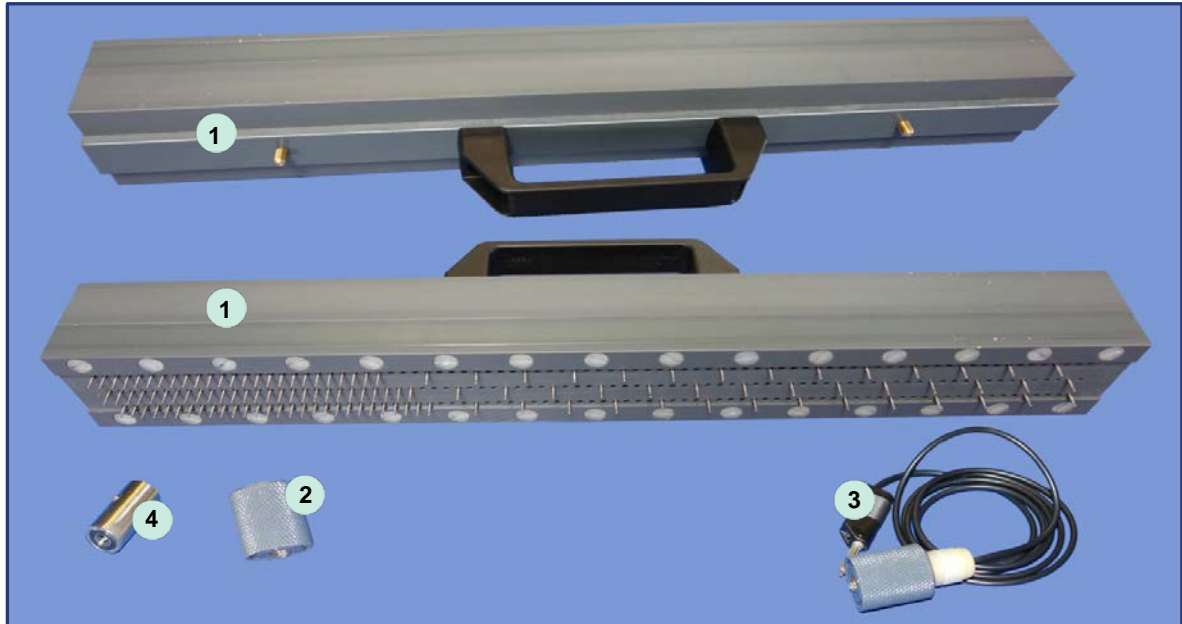


## Fixture System for the Manufacturing of Dental Burrs FG 460-3/002

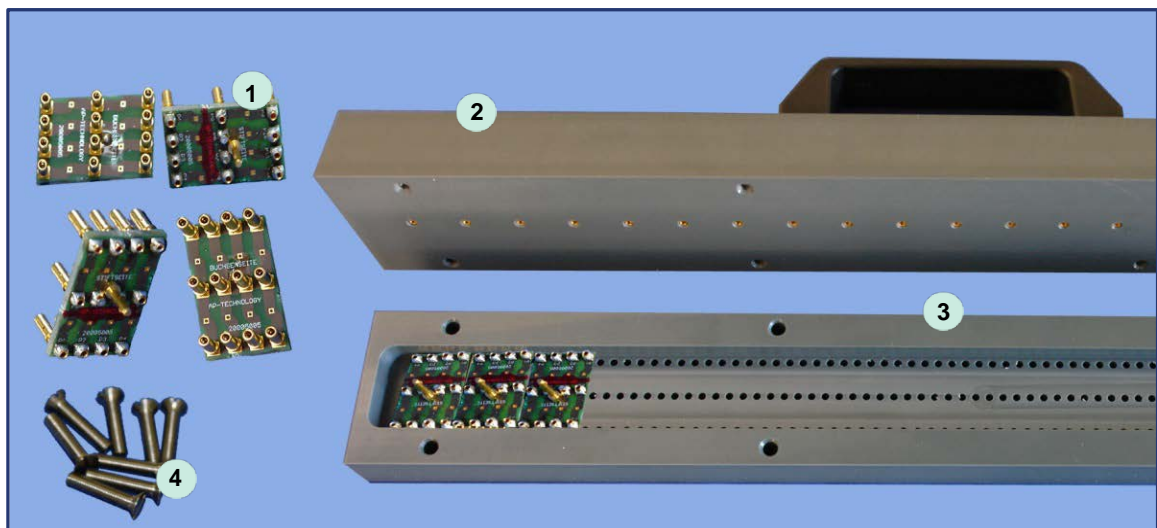
**(Ball shape  $\leq 1.0$  mm)**

### Contact fixture



1. Contact strip
2. PVC blind plug for blind-cathode connection for pre-treatment
3. Contact cable with contact plug
4. Blind cathode connection piece for contact fixture

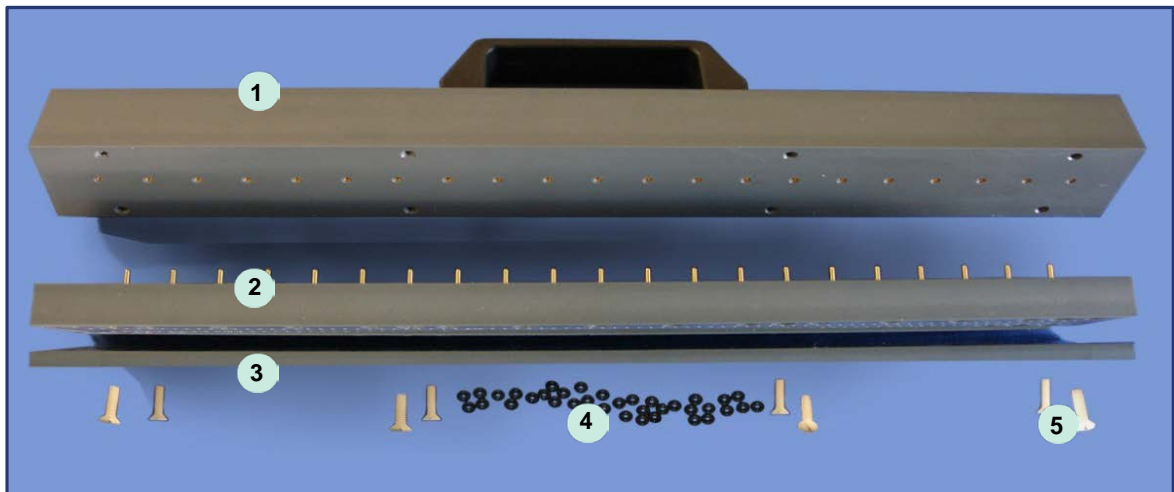
### Detail contact modules



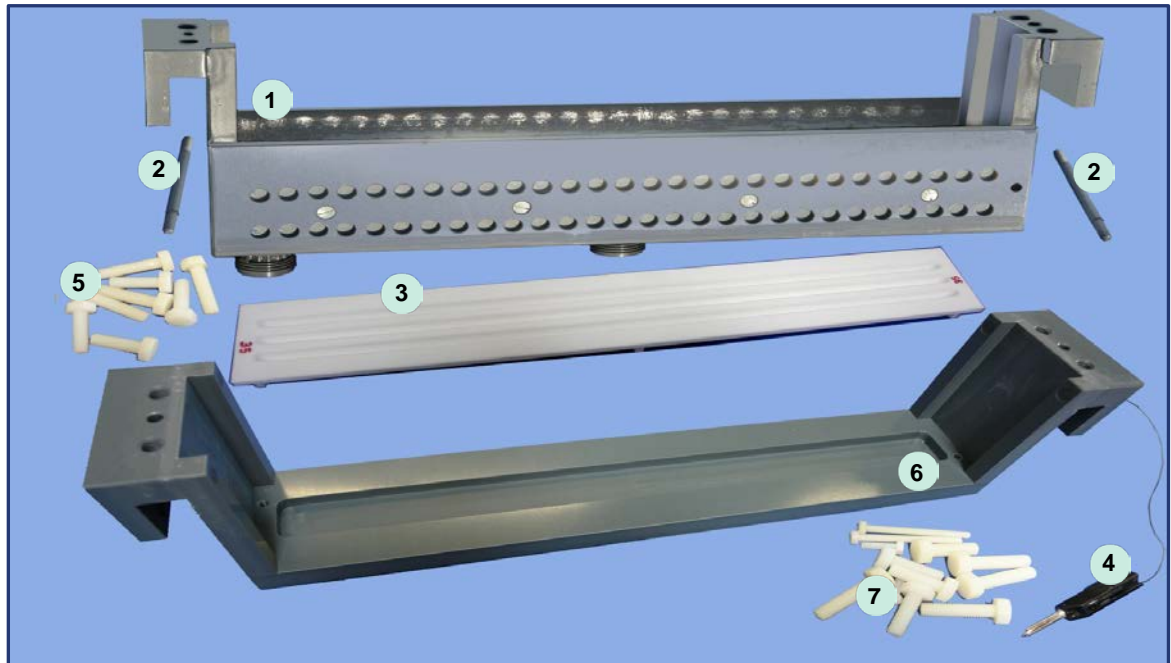
1. Contact modules FG with 12 slots each (21 pcs/fixture)
2. Contact strip – top part
3. Contact strip – bottom part
4. Titanium bolts (8 pcs)

### Assembly of contact fixture

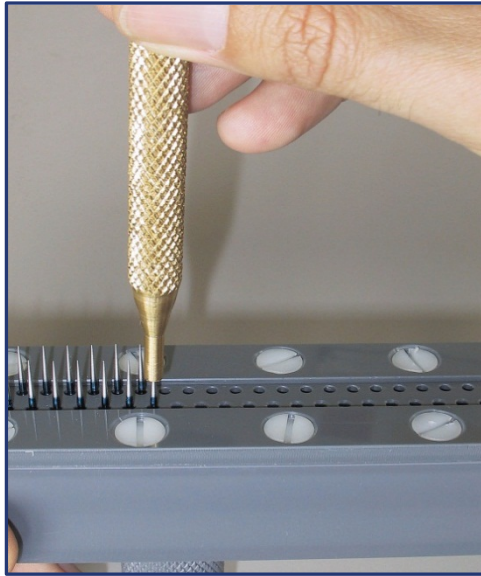
Number of slots per contact strip: FG contact fixture: 252 pieces



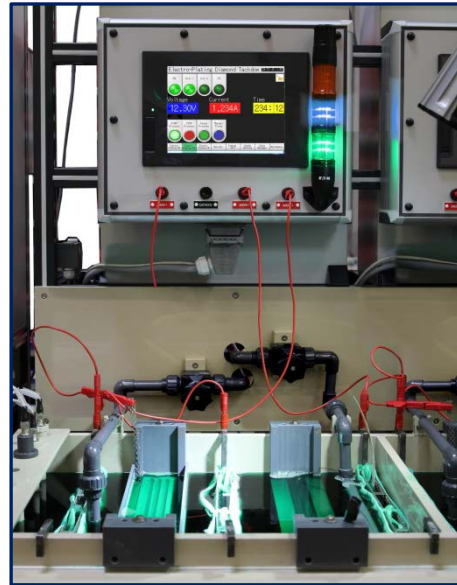
1. Contact strip – top part
2. Contact strip – bottom part with contact modules
3. Contact strip – bottom cover
4. O-rings for contact sockets
5. PP screws (30 pcs)



1. Holder for diamond tack-down insert with diamond retaining sieve
2. Locking pins for diamond tack-down insert (2 pcs)
3. Diamond tack-down insert (trough; for 35 µm grit size)
4. Blind cathode wire with plug
5. Holding and set screws for diamond tackdown fixture
6. Pre- and finish nickel fixture
7. Holding and set screws for pre-and finish nickel fixture



Push-in tool for dental burr blanks



Electro-plating station with diamond tack-down fixture (left) and pre- and finish nickel fixture (right)

Production capacity per electro-plating station:			
Grit size FEPA (US mesh)	Process time (min)	Production rate (pieces)	
		FG type	
		Single shift (8 h)	Two shifts (16 h)
D151 (100/120)	195	504	1008
D107 (140/170)	120-135	756-1008	1512-2016
D20 (~800)	50	2268	4536

