

Rotation System for the Manufacturing of Diamond Foils and Finishing Strips

Diamond Electro-Plating Control DBS 50 A/45

- Power ratings: 230 V, optional 110 V
- Rated current: 50A /18V DC
Visualization and sequence control of process parameters (current, voltage, leak current, timer [time run], constant voltage, pumps, motors, valves, rotation of fixture, etc.) by touch screen operator terminal
- Interfaces for connection to external PC, Laptop or Intranet
- Individual adaptation of the touch screen functions possible.



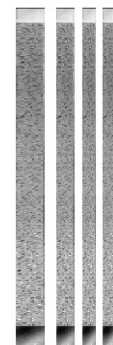
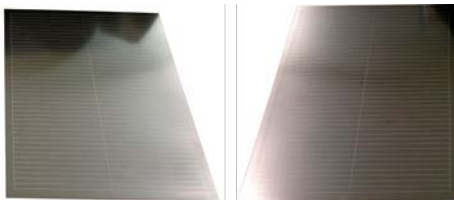
Electro-plating cassette BKA 942/002

- for holding and rotation of the contact fixture during the electro-plating process
- Horizontal motor unit HAE 971/003 with reversing rotation
- Diamond retaining filters to prevent spillage of diamond grits into the electrolyte circuit



Rotation and contact fixture RKW-001

- To hold the stainless-steel foil for electro-plating. The stainless-steel foil may be pre-etched or smooth, in which case it is cut by laser to the appropriate dimensions of the finishing strips.



Production capacity/electro-plating station (pieces):

Grit size FEPA (US mesh)	Process time	Foil dimensions: 295 x 380 mm (2 pieces)	
		Strip width	1-shift (8 h)
D54 (270/325)	145 min	4 mm	1008 pcs
		6 mm	684 pcs
		8 mm	516 pcs
D30 (400/500)	90 min	4 mm	1680 pcs
		6 mm	1140 pcs
		8 mm	860 pcs