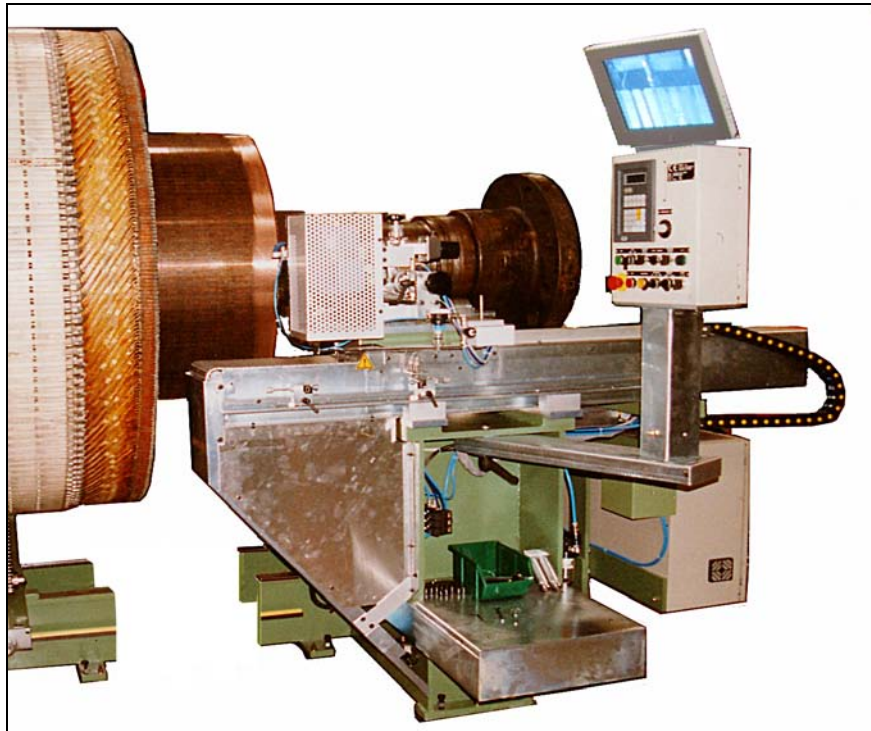


Automatic mica undercutting machine for large DC motors



BETAMATIK-300-U

Transversal movement of cutting head for machine adjustment on commutator diameter:	0 - 500mm
Undercutting length:	0 - 800 mm (other on demand)
Carbide cutters (od/id):	od 21 or 25 mm / id 7mm
Cutter rotation speed:	0 - 5500 rpm stepless
Cutter feed speed:	0 - 50 mm/sec stepless
Machine weight:	800 kg
Overall dimension (LxWxH):	2000x1500x1800 mm
Electric supply:	V 400 3ph 50 Hz or others
Pneumatic supply:	compressed air 5 bar

- Stand alone machine with separate armature driving unit for easy transportation and bevelling on armature site (armature placed on customer own support with rollers)
- Oscillating spindle to follow the bar skew (for commutator overhaul)
- Special program to follow the bar skew (for new commutators)
- Bar indexing by high precision laser unit+ camera and video LCD 17" for commutator magnifying
- CNC cutting & transversal axle for depth and commutator diam. adjustment
- Armature rotation by step motor with adjustable speed and driving chain unit
- Automatic cutter lift during return
- Automation by PLC and LCD display with memory of 100 armatures data
- Automatic diagnosis of faults for an easy troubleshooting
- Bar deburring, by special "V" shaped cutters type T-21
- Dust exhauster type T-20 250 mc/hour , depression 1800mm of water high
- Fiber optic equipment unit with separate support for bar index on front side of commutator.