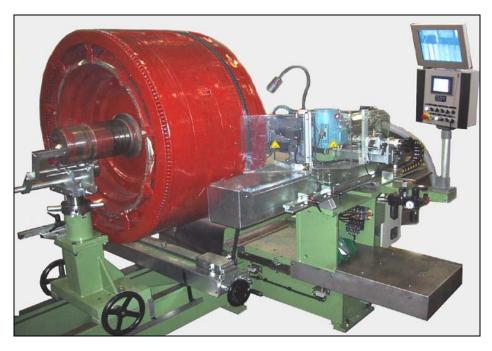
RIMAC

Automatic mica undercutting machine for large DC motors



BETAMATIK-200

Armature diameter: Commutator diameter: Undercutting length: Max hight of commutator riser: Max distance between rollers: Max armature weight: Carbide cutters (od/id): Cutter rotation speed: Cutter feed speed: Machine weight: Overall dimension (LxWxH):

200 - 2000 mm 100* - 1600 mm 0 - 800 mm free heigth 2900 mm 10 to dia. 21 or 25/7 mm 0 - 5500 rpm 0 - 50 mm/sec 1800 kg 4300x2300x2000 mm

Electric supply: Pneumatic supply: V 400 3phase 50 Hz + Neutral + Ground compressed air 5 bar

- 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+ colour camera and video LCD 15" for comm. magnifying
- Cutting axle + transversal axle for depth and commutator diam. adjustment CNC driven
- Armature rotation by step motor with adjustable speed and driving chain
- Automatic cutter lift during return
- Automation by PLC and LCD display with memory of 99 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
- Bearing supports for small armatures up to 150-200kg.

* using support for small armatures