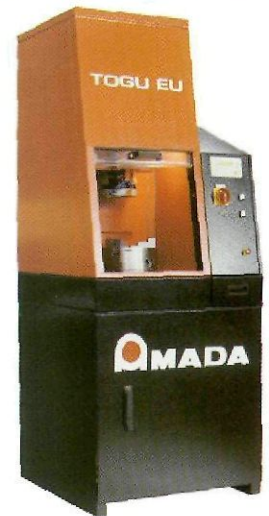


TOGU EU - Automatic Tool Grinding

To respond to the demand for high quality punching, the elimination of any burr is a must for all Punch Press users. To achieve this, not only should the correct clearance be used but the punch and die should be perfectly sharp.

The fully automatic TOGU EU has been developed to ensure the highest grinding quality is achieved for all tool sizes. The machine not only improves the grinding quality but also minimises the grinding time.

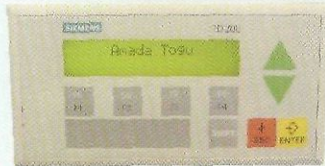
"The only choice for high quality grinding"



Features

Quick, Easy Operation

- Fully automated machine
- Unmanned grinding cycle
- Easy 1-2-3 operation (Load-input-start)
- Programmable re-grind amount



Active Safety System

- Unique safety locking system secures screen during grinding cycle, ensuring operator safety
- Visual operation / standby indication



High Quality Finish

- Automatic feed of wheel prevents 'tool burn'
- Grinding speed 0.03 - 0.06mm/min
- Surface finish 0.4Ra
- Automatic grinding wheel dress indication



Coolant & Filtration System

- Automatic coolant application prevents 'tool burn'
- High quality finish maintained by filtration of coolant liquid



Specification

Grinding wheel (mm)	CBN 150 Ø
Maximum tool diameter (mm)	160
Maximum grinding depth in 1 cycle (mm)	0.99
Spindle motor	1.5Kw @50 Hz
Spindle motor speed (RPM)	3000
Vertical traverse (mm)	200
Feed motor for vertical traverse	200w step motor, 1/2000 intervals
Feed rate - maximum (mm/min)	600
Grinding rate (mm/min)	0.06 (type A-C) - 0.03 (type D-E)
Turntable motor	120W 4P
Turntable motor speed (RPM)	60
Coolant pump motor	0.26 KW 2P
Coolant pump capacity (L/min)	13 @ 50 Hz
Machine weight (Kg)	470
Power consumption (kVA)	4.8



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Machines shown without obligatory safety guards
Specifications subject to change without prior notification