MULLER MACHINES SA
top second hand and new precision machine tools

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**SAM 022202** **TSCHUDIN Type TS 45 A**

| | |
|---|---|
| **Group** | CNC cylindrical grinder |
| **Manufacturer** | TSCHUDIN |
| **Type** | TS 45 A |
| **Controller CNC** | SIEMENS SINUMERIK 840 D |

| | |
|---|---|
| Centre height | 100 mm |
| Distance between centres | 430 mm |
| Max. grinding diameter | 198 mm |
| Grinding length | 400 mm |
| Max. work piece diameter | 198 mm |
| Min. work-piece diameter | 1 mm |
| Travels: | |
| Z axis | 480 mm |
| X axis | 340 mm |
| Workpiece weight on centres max. | 100 kg |
| Grinding wheel: | |
| Diameter | 500 mm |
| Width | 80 mm |
| Peripheral speed | 45 m/s |
| Work piece spindle head: | |
| speeds: | |
| stepless | |
| from | 20 t/min |
| up to | 1000 t/min |
| Holding taper: | 5 CM |
| rotatable | +30 / 45 ° |
| Tailstock: | |
| Taper in tailstock: | 3 CM |
| Tailstock travel of barrel | 20 mm |
| Oscillation speed | 8000 mm/min |
| Air connect | 6 bar |
| Voltage 50 Hz 3x | 400 Volt |
| Grinding spindle motor | 7.5 kW |
| Workpiece spindle motor | 3 kW |
| Total power required | 16 kVA |
| Machine's weight about | 4500 kg |
| Overall dimensions machine: | |
| Length | 3’700 mm |
| Width | 3300 mm |
| Height | 2500 mm |

**Various accessories:**
Touch probe MARPOSS
Measuring control
Profile wheel trueing attachment


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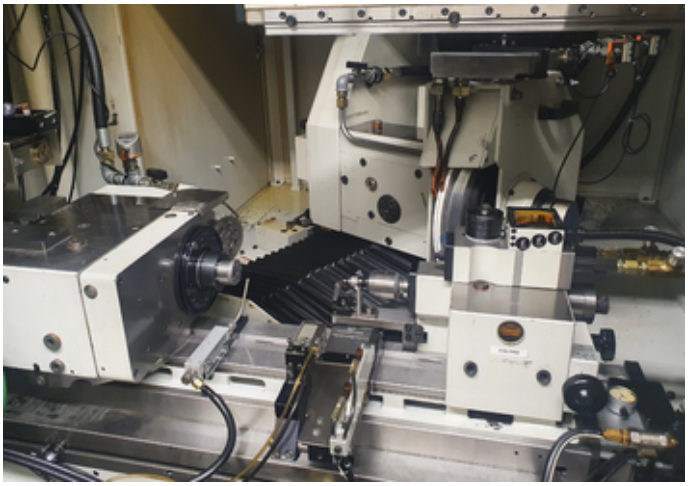
Lamp
Status light
Oil mist extractor
Automatic Loader with Rail

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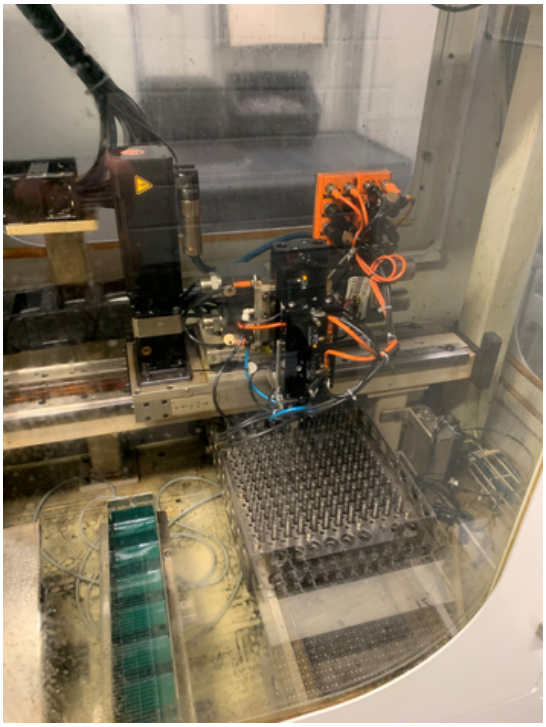


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