

MACHINE-DATA

Machinetype : Center Grinding Machine
Make : TECHNIKA
Type : ZSM 5100-2000
Year : 1975
Control type :
Control :
Storage location : Metzingen
Origin : Switzerland
Delivery time : immediately
Quotation : ex Warehouse
Price : on request



TECHNICAL DATA

workpiece diameter	125 mm
grinding depth	50 mm
clamping length	2000 mm
total power requirement	0,5 kW
weight of the machine ca.	1000 kg

TECHNICAL DESCRIPTION

TECHNIKA (Switzerland)
Centre Hole Grinding Machine
Model ZSM 5100 ? 2.000
Year approx.. 1975 S/N 66 32 7872 ? J 3278

Distance between centres	50 ? 2.000 mm
Height of centres approx.	125 mm
Workpiece Ø in clamping Vice	8 ? 125 mm
Swing of workpiece over tailstockguide	290 mm
Swing of Workpiece max. over grinding head pillar	300 mm
Max.weight of workpiece	250 kg

Max. centre hole taper Ø	2 ? 50 mm
Max. centre hole taper angle	60 °

Clamping range of vice approx.	5 ? 160 mm
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Grinding head adjustable in vertical axis	160 mm
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Stroke of grinding tool on workpiece 0.75 ? 5 mm

Grinding tool Ø 15 ? 60 mm
Grinding spindle speeds 13,000 ? 45,000 rpm

Total electrical load, approx. 1 kW - 380 V - 50 Hz
Weight, approx. 1.000 kg

Accessories / Special Features

Machine is suitable for workpiece length up to 2.000 mm
with a basement extension

- * A cone shaped grinding wheel is employed, but it is only in line contact with the centrehole surface, in addition it is reciprocating simultaneously along this line.
The workpiece remains stationary, enabling the generation of perfect centre holes.
- * To clamp cylindrical Workpieces one uses a height adjustable 2 jaw vice which gives three point contact and always coincides with the center of the grinding spindle.
- * Height-adjustable workpiece centering vice with carbide inserts.
Manual adjustment of appropriate workpiece diameter with clamping screw.
- * Dressing device, mounted on the side of the grinding spindle, stroke approx. 40 mm, for producing a geometrically exact conical form and with oscillation of diamond tool.
- * Pre-centering device for Workpiece adjustment between centers.
- * Pneumatic Oil Lubrification of grinding spindle by oil-mist.
- * Manually adjustable Tailstock with handwheel but without motorized drive.

Condition : Good to very good. Machine can be inspected under power.
Delivery : Ex stock, as inspected
Payment : Net, after conclusion of contract

VIDEO-LINKS

WEB-LINK

https://lagermaschinen.de/maschinen-datenblatt/Center_Grinding_Machine/TECHNIKA/ZSM_5100-2000/1049-751968

MACHINE PICTURES

