

# Bremer

Willi Bremer GmbH

## Cylinder polishing machine

### Typ ZPM



The automatic cylinder calibration machine ZPM is used for machining tungsten carbide drawing dies in the smaller boring diameter range 0.13 to 2.00 mm. By rotation and oscillation, the cylinder is incorporated and simultaneously polished. Using special calibration wires, dies can be manufactured with an accuracy of up to  $\pm 0.001$  mm.

In combination with the calibration needles we manufacture, you can process up to 100 dies of the same diameter with just one sizing needle. Special needle holders are used to tighten the needle.

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### Technical specifications:

Diameter range	0.13 - 2.00 mm
Manufacturing tolerance	+/- 0.001 mm
Calibration needles	up to 100 dies can be used with a needle, depending on the machining requirement be made
Magazine	for 25-30 mm version standard
Electrical voltage	230V - 50 Hz - 10A
Control System	Siemens
Dimensions	550x350x750 mm
Weight	60 kg

### Equipment:

Diamond suspension	available in different grain sizes
Calibration wires	available in various sizes
Calibration wire holder	0.10 - 1.50 mm chuck option: 1.50 - 2.00 mm Special holder
Die table (for cylindrical sockets)	Standard KPM / 28 socket size 28mm optional: different socket size e.g. Sizes 25mm or 30mm (with other collet chuck also for other sizes Customer request available
Drawing table for conical versions	optional
Die adapter	in addition to the socket size for which the machine is designed to work with This die adapter also smaller Cartridge sizes transported automatically and edited.