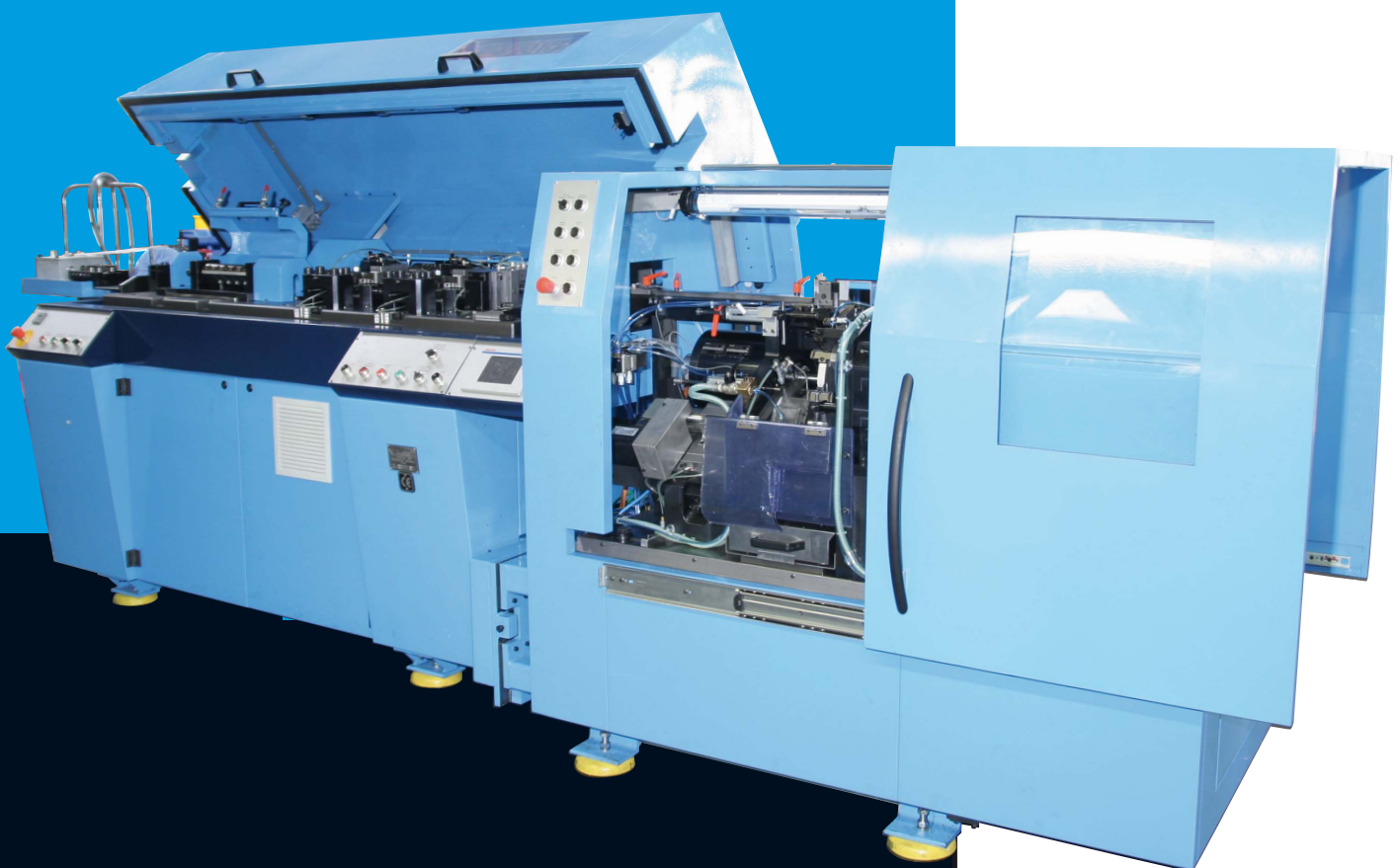


PRECISION + SPEED = EFFICIENCY

PrecisionShape MJE 2

END MACHINING

- Adaptable high speed end-working
- Coil to finished part in one machine

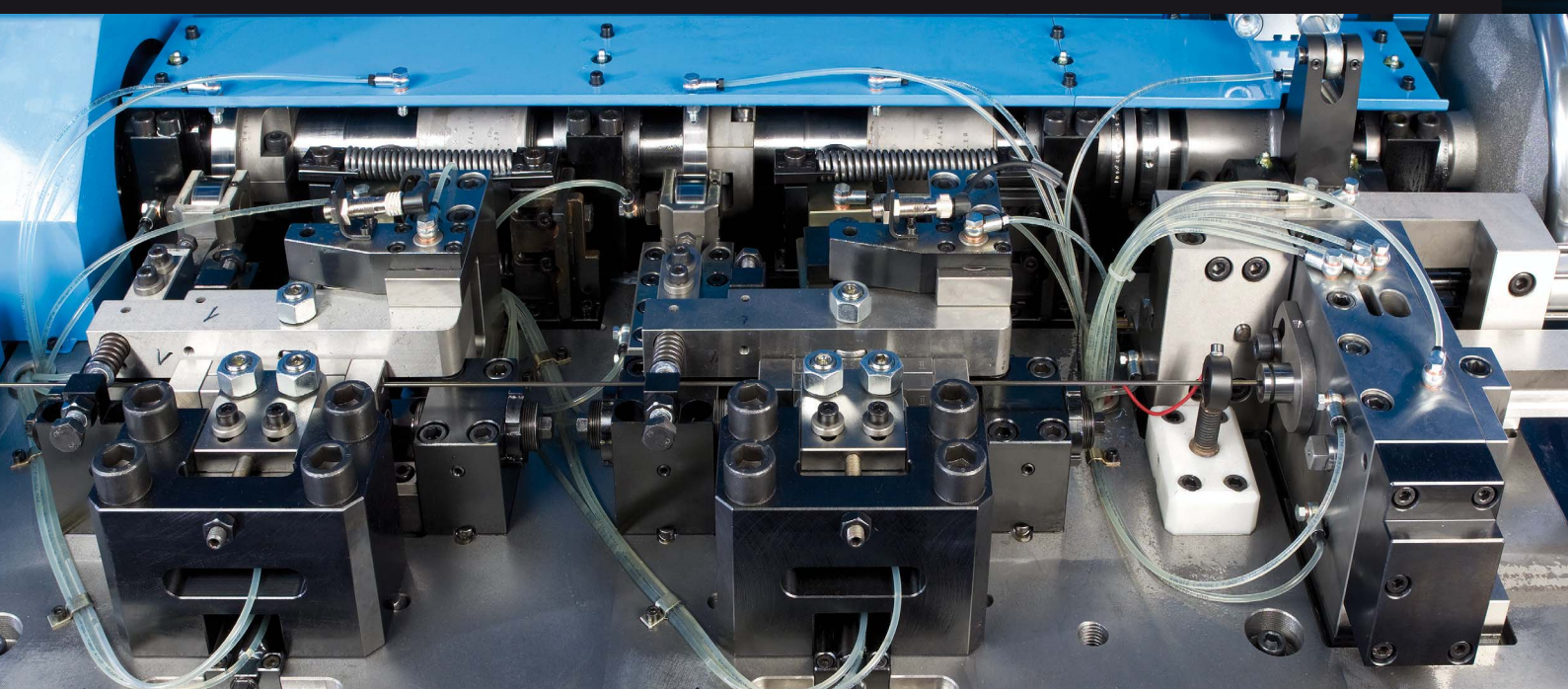
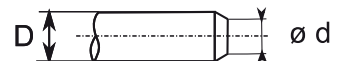
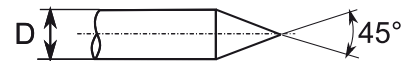
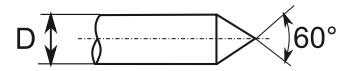
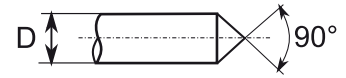


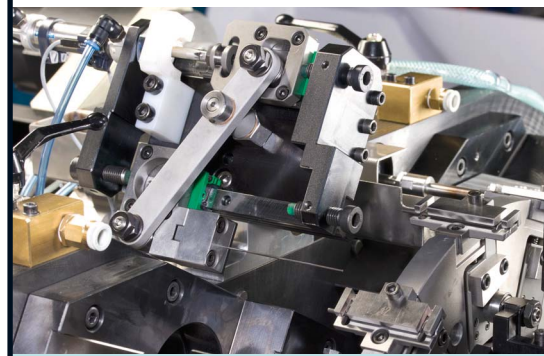
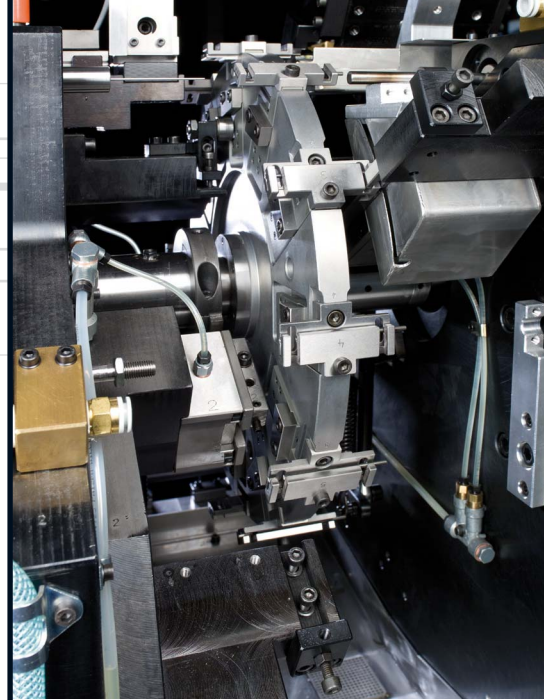
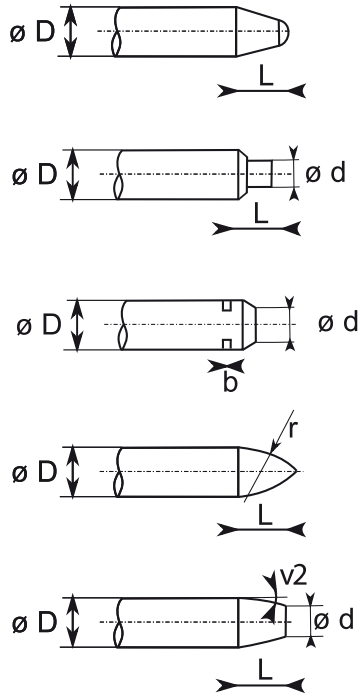
bündgens
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MASCHINENBAU GMBH

www.jouhsen.de

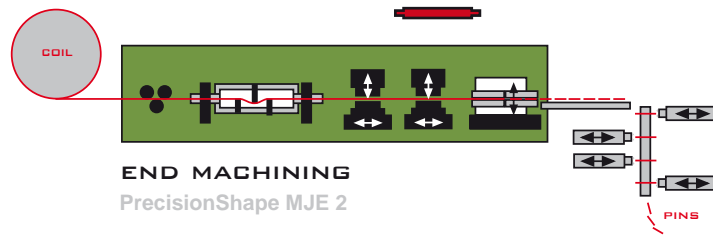
The MJE replaces conventional lathes in both speed and efficiency

A double lever system pulls the wire with high speed and precision into a bushing on bushing cutting unit. After the cutoff, a transport wheel aligns the parts to a tooling unit which allows both ends of the parts to be formed by cutting tools. A positive stop is employed, ensuring that length tolerance and end concentricity remain excellent. Various end geometries can be achieved. The cutting tools work with both ends of the part at the same time, and consist of four rotating tools able to work at speeds of up to 200 parts per minute. The MJE2 will work with wire diameters up to 6 mm and part lengths of up to 150 mm.



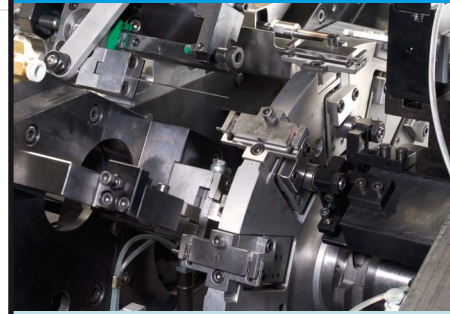


PrecisionShape MJE 2



Technical Features – Straighten and Cutoff

- Vibration free design with precision ground and interchangeable linear guides for die and tool installation. Infeed and cutting systems are driven by a three shaft drive with a split cam design for ease of changeover.
- Two infeed slides are utilized for optimal straightening results, especially with longer parts.
- Straightening can be done with roller straighteners or a rotating straightener / arbor.
- The series contains on board monitoring functions, such as detecting the end of the wire, detecting a bend in the wire, wire lubrication control, central lubrication control.
- Operation modes: Automatic, jog and fully programmable to run un-attended.
- If required, the end forming unit can be disengaged, allowing for straighten and cut production only.
- The integrated and enclosed machine housing keeps noise levels to below 80 dBA. Machine drive, electronics and central lubrication are all integrated into the machine housing.



Technical Data

MJE2

Technical Features – Straighten and Cutoff

- Length adjustments are CNC controlled through a touch screen, as well as spindle RPM and infeed speed. PLC can be easily programmed to recall production parameters.
- End forming tooling / chamfering tools cover the entire diameter range, resulting in short changeover times.
- Two machining stations are on each side of the machining unit.
- Tight concentricity tolerances are achievable due to the positioning of the parts and proximity of the machining unit.
- End shapes will be very accurate as parts are placed right in the machining position, thus even eventual length tolerances do not affect the machining.
- CNC motion sequences allow for maximum output and a high degree of flexibility.
- Machining area is easily accessible for ease of operation.
- Central lubrication on all critical components.
- Chips are separated from cooling lubricant.
- Cooling unit is re-circulated by high pressure pumps and filters.

Wire diameter	2.0 - 6.0 mm (0.0787" - 0.2362")
Cutoff length	25 - 150 mm (0.9842" - 5.9055")
Machining	One machining unit per side (Option: two machining units per side)
Output	up to 200 pcs/min
Length tolerance	± 0.05 mm (0.0019")
Power requirement	20 kVA
Machine control	Bosch-Rexroth SPS with Touch Panel
Central lubrication	installed
Infeed system	mechanical, 2 infeed lever
Modular design	yes
Speed infinitely adjustable	yes
Dimensions	L = 5,300 mm (208.66") W = 1,300 mm (51.18") H = 1,800 mm (70.87")
Weight	3,600 kg (7.936 lb)
Noise level	<80 dB(A)

Subject to technical change without notice.
Date of issue 04.08