

PRECISION + SPEED = EFFICIENCY

PrecisionForm MJ

- Multiple Step cold forming process at very high speed
- Easy tooling changeovers
- Various processing options available



COLD FORMING



Straightening, Cutting, and Cold Forming in One Machine

The wire infeed is done with high precision and very high speed using an infeed lever with clamping pegs. The parts are cut by a bushing on bushing system, and then fixed into position immediately after cutoff for the cold forming process. A header upsets the materials into precision formed die cavities. An output of 600 parts per minute is achievable on this machine. Multiple step cold forming options are also available allowing headed pins with up to three heads, square embossing, and pins with points.

Due to the modular design of the machine and the versatility of the tooling units, the **PrecisionForm MJ** can also bend and weld parts after the straightening process.

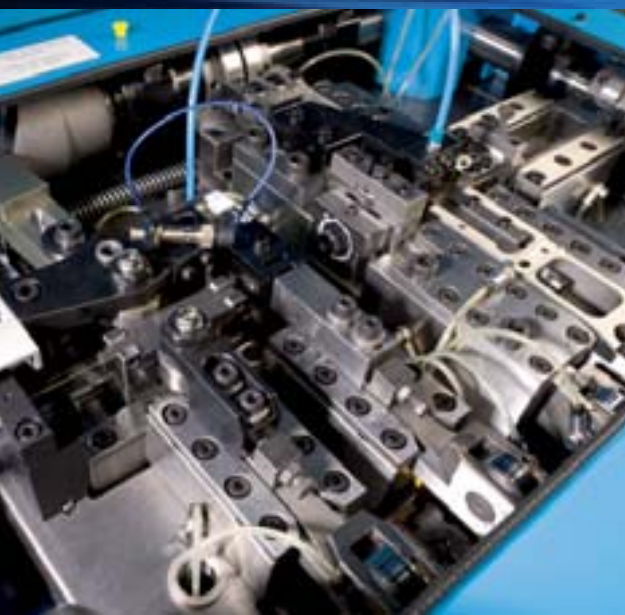
Technical Features

- 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.
- Diameter changes and length changes are easily done due to the modular design.
- 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, etc.
- A point grinding unit is available as an option on the MJ machine. The grinding unit can work wire diameters from 0.2 mm to 2.5 mm, and lengths from 5 mm to 50 mm at speeds of up to 600 parts per minute.
- 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.

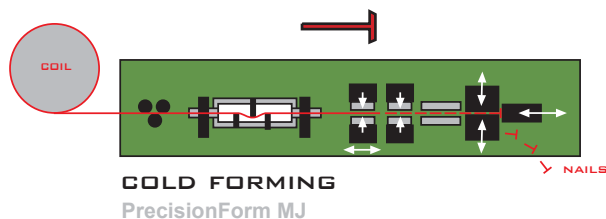


Technical Data

MJ



Wire diameter	0.2 - 2.5 mm (0.0079" - 0.0984")
Cutoff length	2.5 - 50 mm (0.0984" - 1.9685")
Head volume	Up to 5x diameter
Output	up to 600 pcs/min
Length tolerance	± 0.03 mm (0.0012") for short cuts L < 35 mm (1.3779")
Power requirement	3.5 kVA
Machine control	Siemens PLC
Central lubrication	installed
Infeed system	mechanical, infeed lever
Modular design	MJ: up to 6 slides MJS: with grinding unit MJW: for welding
Speed infinitely adjustable	yes
Dimensions	L = 1,300 mm (51.18") B = 1,300 mm (51.18") H = 1,500 mm (59.05")
Weight	1,100 kg (2,430 lb) 1,300 kg (2,900 lb) with grinding unit
Noise level	< 80 dB(A)



Subject to technical change without notice. Date of issue 04.08