



SP 80

80 kN Ejection Press

PIONEER, once more

Based on our worldwide feedback and knowledge we developed this new press generation. With a clear focus on our partners requirements, expertise and important environmental and health regulations. The SP 80 represents the most profitable electric powder compacting press for the production of ISO inserts and similar parts requiring press

forces up to 80 kN. If you want to increase your production capacity or replace older presses, the SP 80 is the most attractive solution in the market. The performance of our clients, producing high quality parts in combination with unmatched cost structure is our approach, our target.

Benefits

- Unmatched price performance level – Benchmark
- Maximum technical availability
- Maximum productivity in output & yield
- Dynamic performance with water-cooled drives
- 40 strokes per minute max.
- Optimal accuracy / repeatability $\pm 0,001$ mm
- Quickest installation for production availability
- Highest rigidity for radial forces and accuracy
- Easy and safe powder refill during operation
- Maximum floor space reduction
- Smart operation by imPRESSive HMI based on Apps and Wizzard guidance for the operator

Features

- Ejection principle (stationary die)
- Integrated electrical cabinet
- Optimal frame stiffness with high precision linear guides
- Short travel path for operator
- Easily accessible powder hopper and filling shoe
- Freely open interface for automation (left side)
- Optimised tool room for working with chuck adapters or different tool lengths
- Integrated cooling system – no additional chiller or facility wise media supply required
- Fixed die for an easy setup with insert handling systems



Safe and easy powder refill during operation

Removable platform saves floor space

Axes	Stroke	Force	Speed	Repeatability
Upper punch (A)	130 mm	80 kN	350 mm/s	± 0.001 mm
	<ul style="list-style-type: none"> Servo motor + spindle - Direct drive technology 3 load cells for high accurate force measuring Prepared for fast clamping system High accurate linear guides 			
Lower punch (B)	130 mm	80 kN	350 mm/s	± 0.001 mm
	<ul style="list-style-type: none"> Servo motor + spindle - Direct drive technology 3 load cells for high accurate force measuring Prepared for fast clamping system High accurate linear guides 			
Core-rod (N)	50 mm	30 kN	200 mm/s	± 0.005 mm
	<ul style="list-style-type: none"> Servo motor system With push down function by pneumatic cushion (5mm stroke) Force monitoring by motor torque 			
Filling device (F) (Servo electric)	200 mm	N/A	300 mm/s	0.1 mm
Hold down device for top punch (Pneumatic)	2 mm	8 kN	N/A	N/A
Dimensions in mm (l/w/h)	1660 / 1620 / 2250			

Illustrations in this document may feature optional equipment or deviations and products are subject to continuous technical modifications and thus are without obligation.



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