



SP 160/160XL 320/640/2000

160-2000 kN

PIONEER, the first servo-electric press

Osterwalder was the first to develop the high-speed servo electrical powder press for ISO-insert production in 2009 – driving technology in powder compaction.

This Performance is nowadays the benchmark with more than 350 Osterwalder servo-electric presses in worldwide

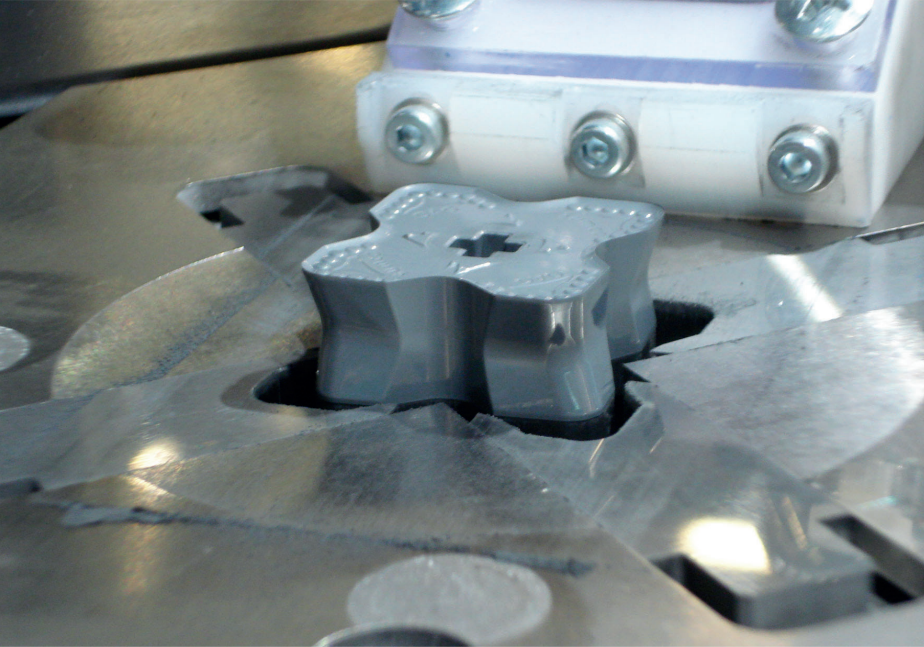
Benefits

- Direct Drive Technology DDT significantly improves reliability, accuracy and maximizes component lifetime
- Higher availability and output with reduced operational costs
- No pit required - smart and fast installation
- The Osterwalder electric presses sets new standards in equipment efficiency and is as close to "maintenance free" as no other system in the market
- The unmatched accuracy for the new generation of powder compacting parts
- Optimal space for installation of electrical cross pressing and handling systems
- Short ways for the operator, the front of the press and automation is in line

production. Pressing high quality parts with unmatched quality and operational costs. Versatile presses dedicated to the production of any precision parts of any kind of powder. Guaranteeing stable high output process for mass production of parts as well as serving as technology platforms for the development of complex parts – ready for future demands.

Features

- Osterwalder Direct Drive Technology DDT connects the output shaft of the motor directly to the spindle
- Stroke rate up to 45pcs./min with SpeedMaster option
- Highest repetition- and process accuracy
- Ergonomic press room – superior space for the setup of the press
- Significant low noise level
- 80% less energy consumption
- 75% reduced maintenance requirements
- Various options e.g. servo-electric cross pressing modules or rotating core rod etc.
- Smart operation by imPRESSive HMI based on Apps and wizard guidance for the operator



Servo-electric cross pressing option



SP 2000 with compact design

Smart Cell	Axes	Stroke	Force	Speed	Filling height
SP 160/160 XL	Upper punch (A)	180 mm	160 kN	350 mm/s	100 mm
	Die counterforce/withdrawal	100 mm	80 kN	200 mm/s	
	Core rod (N)	130 mm	40 kN		
SP 320/320XL	Upper punch (A)	180 mm	320 kN	350 mm/s	130 mm
	Die counterforce/withdrawal	180 mm	190 kN	200 mm/s	
	Core rod (N)	130 mm	40 kN		
SP 640	Upper punch (A)	180 mm	640 kN	350 mm/s	150 mm
	Die counterforce/withdrawal	180 mm	270 kN	200 mm/s	
	Core rod (N)	120 mm	80 kN		
SP 2000	Upper punch (A)	350 mm	2000 kN	350 mm/s	120 mm
	Die counterforce/withdrawal	180 mm	270 kN	200 mm/s	
	Core rod (N)	120 mm	80 kN		
SP 2000 Performa	Upper punch (A)	350 mm	2000 kN	350 mm/s	180 mm
	Die counterforce/withdrawal	320 mm	640 kN	200 mm/s	
	Core rod (N)	Core rod (N)	180 mm	80 kN	
Repeatability	± 0.001 mm SP80 - 640		± 0.002 mm SP2000		

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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www.osterwalder.com

SWITZERLAND (Headquarter)
Osterwalder Technology AG
Industriering 4
3250 Lyss

Tel +41 32 387 14 00
info@osterwalder.com

Helpline +41 32 387 14 89
service@osterwalder.com

USA
Osterwalder Inc.
1825 Franklin Street, Suite A
Northampton, PA 18067

Tel +1 610 262 20 09
info.us@osterwalder.com

Helpline +1 610 262 20 09
service.us@osterwalder.com

CHINA
Osterwalder Technology Co., Ltd.
Room 801, Jingheng Plaza
2008 Huqingping Road
Shanghai 201702 / P.R.

Tel +86 21 69 79 50 66
info.cn@osterwalder.com

Helpline +86 19121188668
service.cn@osterwalder.com

JAPAN
Osterwalder Japan K.K
14F Hibiya, Hibiya Central Building
1-2-9 Nishi-Shinbashi, Minato-Ku
Tokyo 105-0003

Tel +81 3 5532 5661
info.jp@osterwalder.com

Helpline +81 80 8076 1947
service.jp@osterwalder.com