



MP 1500

1500 kN Multi-Level Press

PERFORMANCE

For the production of for nearly all materials and structural powder parts. No pit required, which saves high infrastructure costs. All multi-level are designed to hold the maximal pressing force. This guarantees high flexibility for tool concepts. The plates remain in the press during tool change, no die-set necessary. The guiding system is separated from the force transmitting elements and extends the tool lifetime. Measuring system of the axes refer to the same base in the

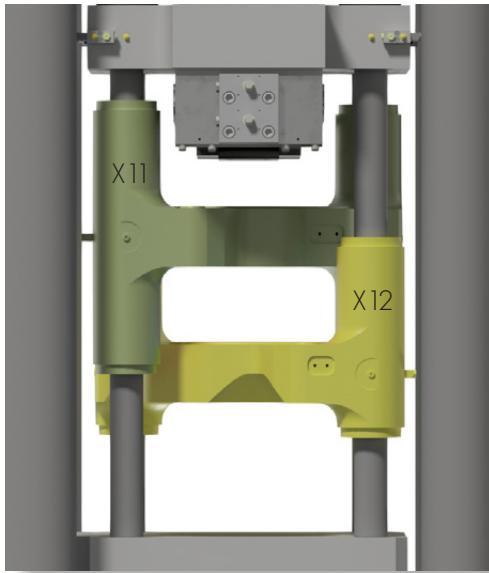
press centre, automatically controlling and compensating a natural press frame elongation. Whilst independent of the pressing force, the repetition accuracy is extremely high. Additionally, the operator benefits from shorter setup duration and higher yield based on the Osterwalder "three-stroke-optimisation" in our awarded HMI/control (weight and height). Resulting in reduced set-up time, consistent set-up and constant high-level part quality.

Benefits

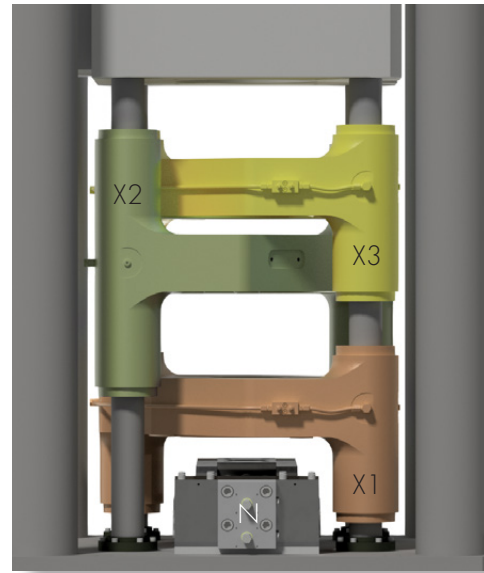
- Highest availability and productivity
- No pit required, compact design (height 4.45m only)
- Automatic compensation of press elongation with smart control systems
- HMI with wizard guidance for setup and operation
- Outstanding cost-performance ratio
- High energy efficiency, with two independent pressure circuits
- Low noise emission of hydraulic system
- Hydraulic unit protected against dust contamination
- Maintenance friendly
- Easy access to all components

Features

- 2 upper / 3 lower level
- High hydraulic and mechanical counterforces
- Integrated die-set technology
- Smart operation by imPRESSive HMI based on Apps
- Low pick-up height, no pit required
- High rigidity frame structure
- Integration of fast-clamping tooling systems
- Servo-hydraulic power unit, smart drive system with pressure-controlled pump speed
- Optimised hydraulic encapsulation
- Option: Handling device for tool exchange



2 upper level



3 lower level

Axes	Hydraulic Counterforce	Hydraulic withdrawal Counterforce	Mechanical Counterforce	Stroke/ Filling height	Speed
Top ram axis (A)	1.500 kN			450 mm	
Upper additional axis (X11)	190 kN		1.500 kN	60 mm	
Upper additional axis (X12)	190 kN		1.500 kN	60 mm	
Die	985 kN	600 kN		150 mm	100 mm/s
Lower additional axis (X3)	190 kN		1.500 kN	80 mm	
Lower additional axis (X2)	190 kN		1.500 kN	80 mm	
Lower additional axis (X1)	190 kN		1.500 kN	80 mm	
lower core rod (N)	70 kN	40 kN		150 mm	100 mm/s
Top ram and die	Repeatability +/- 0.005 mm				
Additional axes	Repeatability +/- 0.010 mm				

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



Pioneer.Partnership.Performance.

Osterwalder AG
 Industriering 4
 3250 Lyss / Switzerland
 Phone +41 32 387 14 00
 info@osterwalder.com
 www.osterwalder.com

Osterwalder (Shanghai)
 Technology Co., Ltd.
 Room 801, Jingheng Plaza
 2008 Huiqing Road
 Shanghai 201702 / P.R. China
 Phone +86 21 69 79 50 66
 info@osterwalder.cn

Osterwalder Inc.
 1825 Franklin Street, Suite A
 Northampton, PA 18067 / USA
 Phone +1 610 262 20 09
 info@osterwalder.us