



## KPP 4500 KPP 2500

4500 / 2500 kN Multi-Platen Press

### **PERFORMANCE, 90 Million strokes on customer KPP presses and more!**

KPP – The Hybrid Press reaches significantly higher productivity than any CNC hydraulic powder press. This configuration combines the productivity and energy efficiency of a mechanical press with the flexibility of a hydraulic system. The smooth-axis movements optimizes the compaction process and guarantees a controlled linear press cycle, with higher stroke rates on complex part geometries.

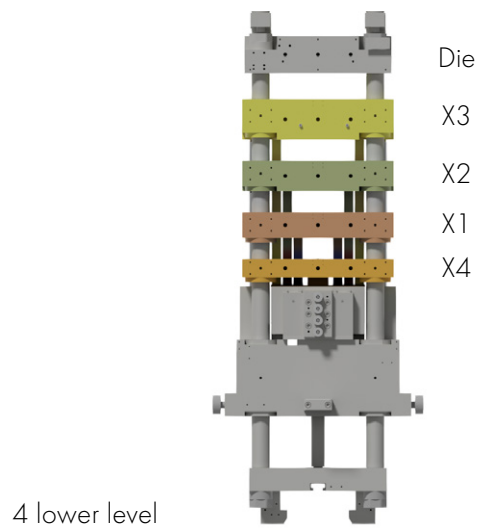
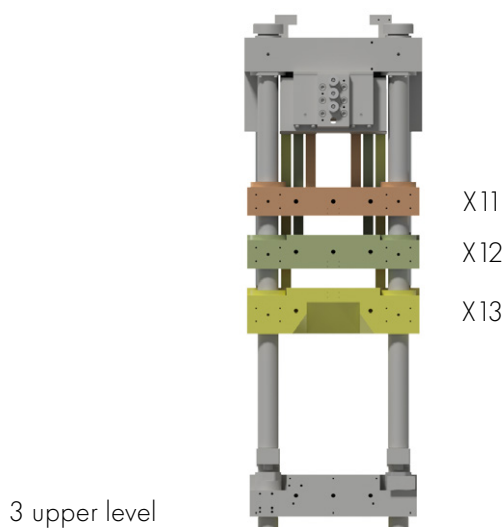
#### **Benefits**

- Highest availability with outstanding cost-performance ratio
- 20% higher productivity
- Low operating costs, 30% less energy consumption
- Low water and hydraulic oil consumption based on a smart hydraulic system
- Smart Operation by imPRESSive HMI based on Apps
- HMI with wizard guidance for setup and operation
- Press frame is not influenced by the load of the pressing force
- Continuously stable press process
- Maintenance friendly

The press frame is separated from the force transmitting elements. Higher product quality and longer tool lifetime is the consequence. The KPP is proven to be reliable. Resulting in highest press availability with unmatched quality and operational costs. 30% less energy consumption than hydraulic presses. Substantially lower water consumption with less infrastructure requirements for media supply.

#### **Features**

- Up to 4 upper/lower CNC die-set axes
- Energy-efficient mechanical movement of the upper ram
- Mechanical stops in press position
- Closed-loop controlled press cycle
- Multifunctional closed loop controlled top punch hold down device
- The guiding system is separated from the force transmitting elements
- Automatic adjustment of the press position with imPRESSive HMI
- Servo-electric wedge adjustment for faster setup
- Servo-electric handling fixed on die plate



Axes	Hydraulic Counterforce		Hydraulic withdrawal Counterforce		Mechanical Counterforce		Stroke Filling height	
	4500	2500	4500	2500	4500	2500	4500	2500
KPP								
Top ram axis (A)					4500 kN	2500 kN	218 mm	218 mm
Top punch hold down	450 kN	125 kN						
Upper additional axis (X11)	305 kN	240 kN	170 kN	150 kN	4500 kN	2500 kN	60 mm	60 mm
Upper additional axis (X12)	305 kN	240 kN	170 kN	150 kN	3000 kN	1750 kN	60 mm	60 mm
Upper additional axis (X13)	305 kN	240 kN	170 kN	150 kN	3000 kN	1750 kN	60 mm	60 mm
Upper additional axis (X14)								
Die	2900 kN	2000 kN	2600 kN	2000 kN			120 mm	180 mm
Lower additional axis (X1)	305 kN	240 kN	170 kN	150 kN	4500 kN	2500 kN	80 mm	80 mm
Lower additional axis (X2)	305 kN	240 kN	170 kN	150 kN	3000 kN	1750 kN	80 mm	80 mm
Lower additional axis (X3)	305 kN	240 kN	170 kN	150 kN	3000 kN	1750 kN	80 mm	80 mm
Lower additional axis (X4)	135 kN	240 kN	90 kN	150 kN	2000 kN	1000 kN	75 mm	60 mm
Lower core rod (N)	90 kN	90 kN	60 kN	60 kN			150 mm	150 mm
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 Huqingping 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