



# Hydraulic Presses HPK 100



## SKU : 131509

The HPK A series is a series of hydraulic presses with a C-shaped design for deep drawing, forming, and notching processes. These machines are manufactured in Europe, and all components and parts meet extremely strict quality requirements. The possible force ranges from 40 to 300 tons. The entire series has large ram plates on the cylinder and work table with clamping flutes for mounting tools and accessories. Mobile 2-hand operation guarantees safety, and the travel distance is defined with adjustable limit switches. We also offer customized solutions that are based on individual customer requirements.

- Classic design with c-frame
- Completely built in Europe for high reliability
- Designed for testing or batch production
- Possibility of Industry 4.0 integration
- Customized solution available

## TECHNICAL SPECS

### WORKING AREA

Pressure force	100 t
Table dimensions	800 mm x 600 mm
Stroke	500 mm
Ram-plate size	700 mm x 350 mm
Throat	300 mm
Stroke speed	4 mm/s

### RAPID FEED

Rapid feed	25 mm/s
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### DRIVE CAPACITY

Motor rating	4 kW
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### MEASURES AND WEIGHTS

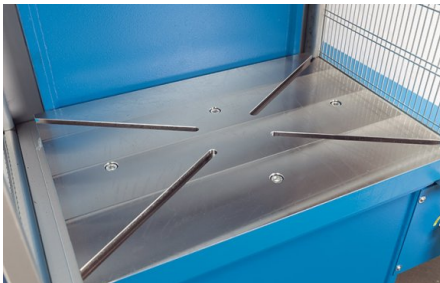
Overall dimensions (length x width x height)	1.9 m x 1.2 m x 2.6 m
Weight	3400 kg



*Space saving hydraulic system located accessibly inside the frame*



*Two circular guides ensure maximum ram plate parallelism during stroke movement*



*Diagonally aligned slots for easy centered tool clamping*

## PRODUCT DETAILS

- Made in Europe - perfectly welded C-frame steel construction for high rigidity, designed for maximum machine force
- Large ram plates and work tables to ensure large tools or multiple setups
- Hydraulic presses are extremely versatile due to their distance/time flexibility of the stroke
- A powerful hydraulic cylinder and two self-lubricating circular guides ensure precise and uniform feed of the ram plate during press operations
- Precision-machined cylinder surfaces and high-quality seals ensure low wear and long lasting reliability
- Rapid adjustment of stroke length via easy to set stops
- Space saving hydraulic system located accessibly inside the frame
- 2-step hydraulic pump for fast rapid feeds and optimum stroke speeds
- Ram plate and work table with t-slots for tool clamping
- A mobile control panel provides flexibility, while additional controls are easily accessible integrated in the control cabinet
- All components are made according to strict standards, and the entire construction meets European safety guidelines

## STANDARD EQUIPMENT

Two-hand control panel  
 Adjustable stops for up/downstroke  
 Pressure gauge  
 Movable upper table with 2 guides and T-slots  
 Automatic operation  
 Automatic cylinder return  
 Siemens PLC  
 Hydraulic unit with 2 speed automatic change  
 Pressure switch  
 Timer  
 Operator manual

## OPTIONAL EQUIPMENT

- Light curtain L = 1,000 mm, SKU : 253855
- upgrade to Siemens KTP 700 Basic digital control, SKU : 253856
- upgrade from 2 to 4 lateral slides, SKU : 253857
- Predisposition "industry 4.0", SKU : 253859
- pieces counter, SKU : 253860
- Air/oil heat exchanger with decompression valve, SKU : 253861
- decompression valve, SKU : 253862