HAWE HYDRAULIK

Solutions for Machine tools

HAWE Hydraulik SE

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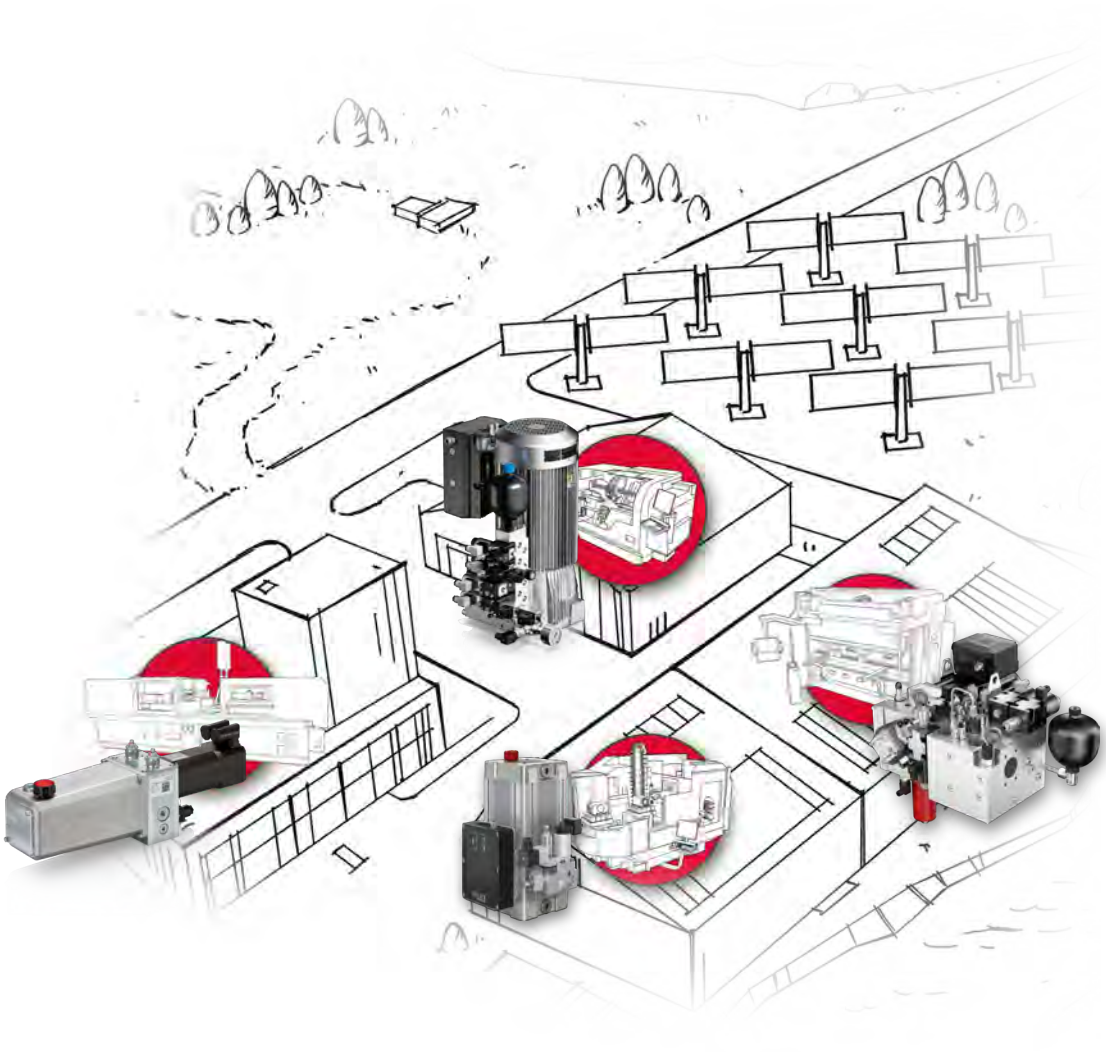


Carbon
Footprint

Predictive
Maintenance

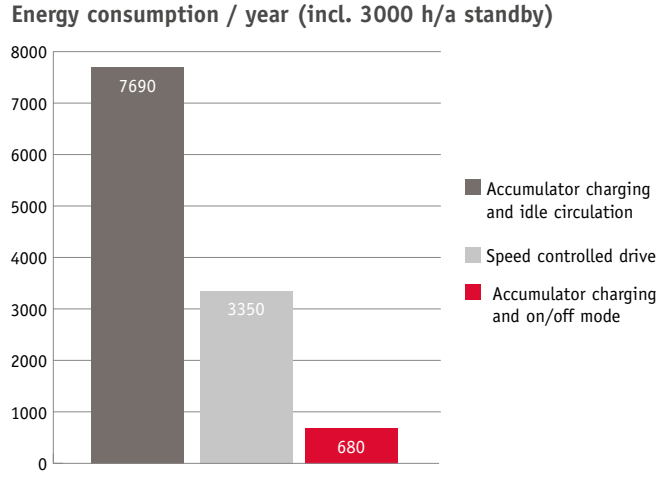
Efficiency

Modular
Design

Customized solutions from the modular system

Whether in the main drive of a press brake or for secondary functions in metal-cutting machine tools or injection molding machines, our hydraulic systems can perform a wide variety of functions. The high force density allows the systems to be installed in very limited spaces. Hydraulic systems are reliable, durable and sustainable. Controlled systems and leakage-free valve technology enable energy-efficient operation.

Example of the modular design of a valve control system directly attached to the compact unit type KA



Hydraulic power packs with seated valves in shutdown mode can reduce energy consumption by 90%

Hydraulic functions in machining centers

Compact power pack INKA

Features and advantages

- Extremely compact design
- IO-Link interface for condition monitoring
- High duty cycle

Technical data

- p_{max}: 700 bar
- Q_{max}: 2.25 lpm

Valve bank BVH

Features and advantages

- Modularly expandable
- Zero leakage
- Very compact

Technical data

- p_{max}: 400 bar
- Q_{max}: 20 lpm

Seated valve NBVP

Features and advantages

- Integrated switching position monitoring
- Leakage-free
- CETOP 3 connection pattern

Technical data

- p_{max}: 400 bar
- Q_{max}: 15 lpm

Compact hydraulic power packs control secondary functions in machining centers. Modularity is our central concept - especially for valve banks, which can be flexibly expanded. Valves with position monitoring enable the performance level of safety functions to be achieved.

Hydraulic solutions for injection molding machines

Flow-optimized filling valves enable fast filling and emptying of the clamping cylinder and shorten the cycle time. Servo units dynamically and energy-efficiently control the injection unit and supply opt. core pulls. Seated valve technology enables leakage-free control of core pulls in injection molds.

Filling valve F

Features and advantages

- Pilot-operated check valve in intermediate flange design
- Leakage-free tight
- Flow-optimized

Technical data

- p_{max}: 400 bar
- Q_{max}: 7000 lpm

Servo power unit HS

Features and advantages

- High dynamics
- Low noise emission
- Energy efficient in operation

Technical data

- p_{max}: 150 bar
- Q_{max}: 9 l/min

Seated valve ROLV

Features and advantages

- Leakage oil free tight
- Insensitive to dirt
- Construction
- CETOP 3 Connection pattern

Technical data

- p_{max}: 400 bar
- Q_{max}: 25 lpm

Workpiece clamping in lathes

Compact power pack HKF

Features and advantages

- Speed control via frequency converter
- S1 operation possible
- Long service life

Technical data

- p_{max}: 700 bar
- Q_{max}: 25 lpm

Clamping module NSMD

Features and advantages

- Proportional or manual pressure adjustment
- Monitoring of pressure
- CETOP3 Connection pattern

Technical data

- p_{max}: 120 bar
- Q_{max}: 25 lpm

Valve bank BA

Features and advantages

- Flexibly expandable
- Additional functions in longitudinal and vertical linking
- CETOP3 Connection pattern

Technical data

- p_{max}: 400 bar
- Q_{max}: 30 lpm

Speed-controlled power packs enable energy-efficient hydraulic supply in continuous operation on the lathe. The clamping pressure at the chuck is adjusted depending on the workpiece - manually or via a control signal. The assembly with CETOP 3 valves can be mounted on the power pack or decentrally.

Hydraulic drives in press brakes

Whether valve-controlled or pump speed-controlled, HAWE's hydraulic systems enable extremely energy-efficient operation of the press brake - and all this in a very compact design. Customer-specific solutions are easily and quickly assembled from the modular system. All systems are certified according to DIN EN 12622.

Servo drive ePRAX®

Features and advantages

- For all machine sizes
- Simple cylinder interface
- Energy efficient due to servo drive
- High dynamics

Technical data

- p_{max}: 320 bar
- Q_{max}: 50 lpm

Control unit MACB

Features and advantages

- Modular design for a consistent machine concept in press brakes
- Compact design
- Short assembly times

Technical data

- p_{max}: 320 bar
- Q_{max}: 100 lpm

Prop. amplifier EV2D

Features and advantages

- Digital amplifier for closed or decentralized control loops
- Fieldbus interface EtherCAT
- UL and SIL3 certified

Technical data

- 6 PWM outputs
- 6 analog and 2 digital inputs

Follow us on:

You can find more information about the products on the website:

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