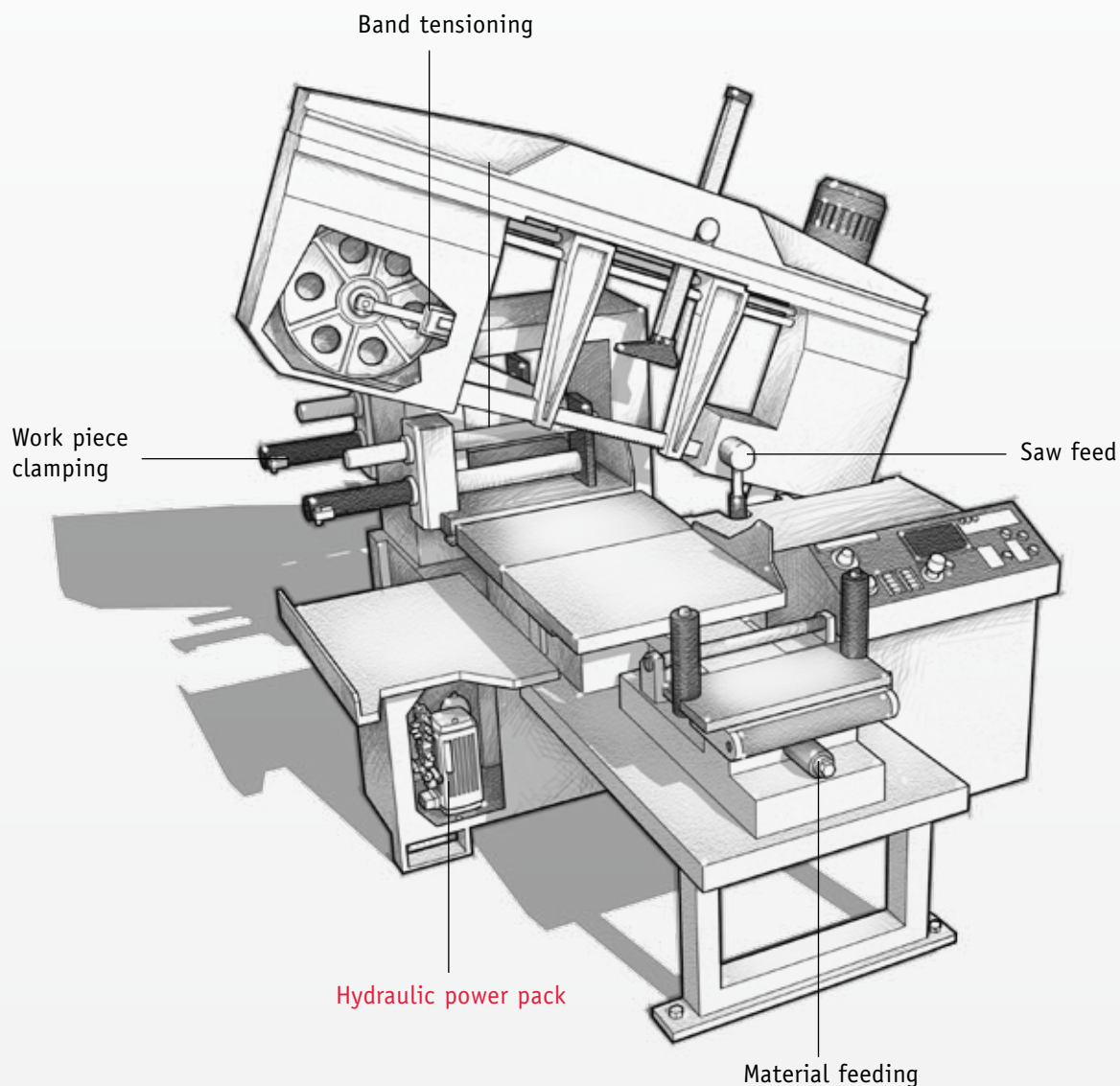
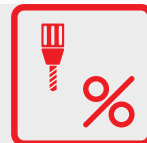


Efficient production starts with a high cutting rate.



Saws need to cut material with precision and speed. Not only should the sawing work be high quality but the saw band or blade should also be preserved, something which can be reliably achieved with clever hydraulic control.

SOLUTIONS FOR A WORLD UNDER PRESSURE

HAWE
HYDRAULIK

HAWE Hydraulik: ideas for the perfect cut.

Assembly-line metal cutting.

Whether in a factory or as part of multi-shift operation in industry, the productivity of the band saw is the most important element for achieving efficient production. The tasks that saws perform can be extremely varied, making feed rate and cutting power the key factors. When sawing profiles or thin material, the ability to automatically adjust these two factors is essential for achieving a clean cut. The clamping pressure is pre-set using the machine control and can be individually adjusted for each application.



HAWE Hydraulik: pressurized cutting.

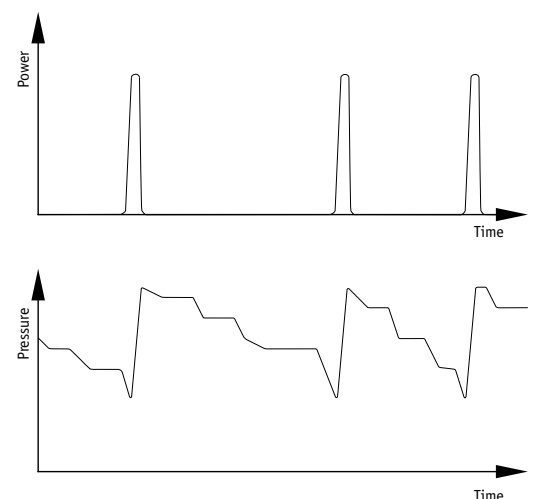
We offer pressurized cutting, but only if the sawing process requires it. HAWE Hydraulik offers concepts which save resources and energy as ready-to-install solutions, easily tailored from our modular system to meet customer requirements. Therefore, compact hydraulic power packs deliver pressure in intermittent operation only when required to do so. The accumulator charge valve maintains the static oil pressure from the accumulator without switching the pump on. The hydraulic pump can be switched off during the sawing process, saving a considerable amount of energy and reducing noise. The use of directional seated valve technology means that contamination susceptibility is considerably lower compared to when using directional spool valves.

Other savings are possible through:

- Reduction in the installed hydraulic drive power
- Dual-stage pumps in one housing
- Reduction in oil volume required
- Less space required for the power pack

Together we can make a difference.

HAWE Hydraulik is your experienced partner for hydraulic systems in sawing machines. Sustained production is part of our philosophy. Our solutions offer unique design and flexibility, thanks to our modular system, which is essential for your clients.



Zero power consumption in the pauses during intermittent operation

All that matters – flexibility and efficiency.

Our sophisticated hydraulic solutions work seamlessly together, and have a compact, state-of-the-art design: built according to a modular system, they offer you maximum flexibility and significant financial benefits. Examples from our product range:

Compact, multifunctional pressure oil supply:

The compact hydraulic power pack type HC is a very compact submerged-oil power pack, suitable for intermittent operation. Electrical components are connected through an integrated terminal box. Zero-leakage directional seated valves can be fitted as a bank directly to the power pack.

- Maximum motor power: 0.25 kW
- Operating pressure (p_{max}): 700 bar
- Delivery flow (Q_{max}): 2 lpm



Optimal heat dissipation from the system:

With the compact hydraulic power pack type KA, hydraulic pump and a submerged motor are combined in one housing (tank). It can be used vertically or horizontally. The compact design means that the power pack can be integrated into the machine housing. The housing's cooling fins dissipate the heat particularly well and therefore long connection times can be achieved in the energy-saving intermittent operation.

- Maximum motor power: 5.7 kW
 - Operating pressure (p_{max}): 700 bar
 - Delivery flow (Q_{max}): 25 lpm
- | | |
|--------------------|-----------|
| Radial piston pump | Gear pump |
| 170 bar | 40 lpm |



Leak-proof hydraulic control:

With directional seated valve bank type BWH, individual valves are directly installed on sub-plates and connected via a tension rod. Depending on the type of sub-plate, different switch symbols are available with the individual valves, and optional functions (e.g. pressure switches or pressure relief valves for the consumer port) may also be incorporated. The valve bank is compact and has zero-leakage.

- Operating pressure (p_{max}): 450 bar
- Max. flow (Q_{max}): 30 lpm



Flexibility even in the valve bank:

The valve bank type BVH can be directly fitted to the compact power pack with a connection block. The individual sections are mounted via a banjo bolt at connection port P. Replacement of tension rods is not necessary in the case of extensions. The directional seated valve bank is very compact and is zero-leakage.

- Operating pressure (p_{max}): 450 bar
- Max. flow (Q_{max}): 15 lpm



End-to-end service.

With five sales offices in Germany, 14 subsidiaries worldwide and around 30 expert partner companies, HAWE Hydraulik is bound to have a presence in your area.

HAWE Hydraulik offers the following benefits:

- Comprehensive individual advice and assistance
- Customized solutions
- Products designed and manufactured using state-of-the-art technology
- Many years of experience and expertise in hydraulic products and their uses
- Tailored service and maintenance contracts
- Design, set-up and maintenance/servicing on-site

If you have any questions, please get in touch. Our experts are always happy to help.

