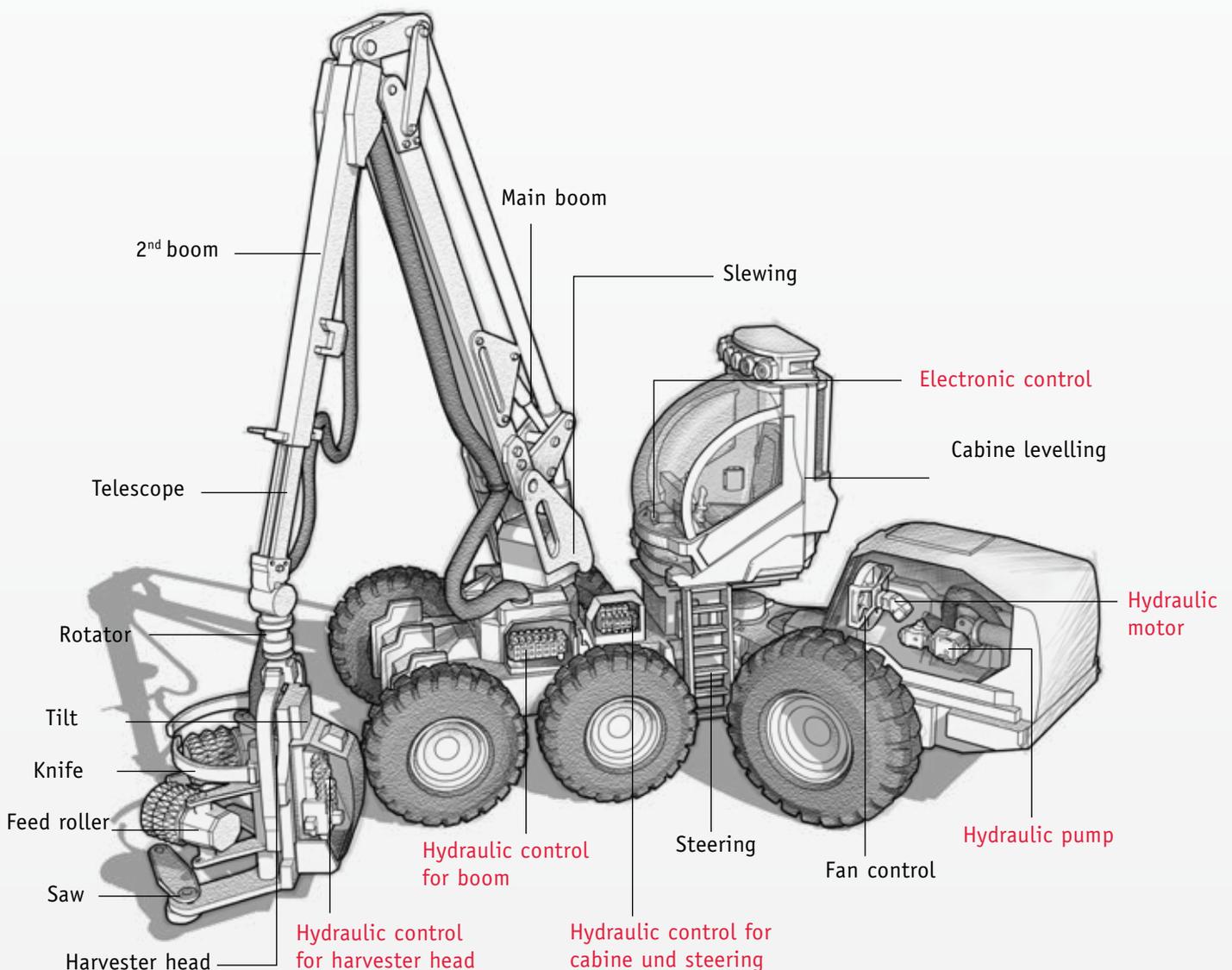


Keeping the tree trunk firmly under control during harvesting.



Regardless of how many simultaneous functions take place during lumber harvesting, when the system is properly designed the operator has everything firmly under control from his protected position in the cabin. The compact and lightweight design of the main controls at the harvester head allows for a larger payload and minimizes forest floor compaction.

HAWE Hydraulik: for the highly mechanized lumber-harvesting machine.

Attention to detail and the operator's needs.

Thanks to its eight guided and powered wheels, and its articulated steering with a small turning radius, the harvester moves flexibly in level terrain. On the other hand, the machine achieves unique mobility in steep and rough terrain through its synchronous stepping and driving motion. Optimal use of available power and balanced weight distribution also improves stability. These applications are highly developed, modern vehicles, which their manufacturers are constantly and meticulously fine-tuning with an eye for detail. A great deal of attention is paid to productivity, technical availability and low operating costs in daily operation, without ever losing sight of driver safety.



Photo: Teteline - Fotolia.com

HAWE Hydraulik: flexibility is our core competency.

Regardless of whether various harvester units are to be installed or different crane ranges implemented, if the drive system is designed in modular fashion, various customer needs and applications can be quickly and easily realized from vehicle to vehicle. Using a single modular system, HAWE Hydraulik offers hydraulic controls with a high degree of flexibility. No matter which form of actuation, additional function or flow rate and, therefore, operating speed you wish to implement, just ask us! Our sensitive and precise controls will make your crane fast, flexible and safe. The harvester unit control is also extremely compact and lightweight; it offers simple equipment expansion options, such as multiple tree processing, stump treatment and color marking, as well as special, market-specific features.

HAWE Hydraulik offers solutions for:

- all individual harvester unit functions
- all individual crane functions
- the articulated steering system
- levelling and rotating the cabin
- blower control.

The power of teamwork.

HAWE Hydraulik is the perfect partner for agricultural and forestry machinery. We offer fully integrated solutions at every stage from designs and manufacturing to the start of operations, utilizing over 65 years of experience. Furthermore, you can enjoy high efficiency combined with excellent flexibility.



Photo: Teteline - Fotolia.com

Compact design saves space and reduces weight.

HAWE Hydraulik offers reliable, durable products with state-of-the-art design. The sophisticated modular system enables you to combine the elements you need in the most effective, cost-efficient way for minimum overall weight. A selection from our product range:

Our light-weight for Your harvester head:

The compact and light-weight control block is made of steel and therefore tolerant against pressure peaks and environmental influences. The electro-proportional actuation enables smooth and precise operation of the harvester head functions. Additional functions can be easily integrated due to modular design. Floating can be switched on, on demand.

- Operating pressure (p_{max}): 420 bar
- Flow rate (Q_{max}): 400 l/min



One directional valve type for all functions:

Requiring little space and minimal effort to install, the proportional directional spool valve type PSL is a state-of-the-art and economical control solution that can be used to combine up to 10 functions. Additional functions can be directly integrated into the valve section.

- Operating pressure (p_{max}): 420 bar
- Flow rate (Q_{max}): 210 lpm



Efficient hydraulic fluid supply:

The variable displacement axial piston pump type V60N or V30 ensures the right quantity of fluid is in the right place at the right time. A selection of pump controllers, mounting flanges and drive shaft options ensure you can find the perfect solution to any design requirement.

- Operating pressure (p_{max}): 420 bar
- Geometric displacement (V_{max}): 270 cm³/rev.



Optimal drive:

The axial piston motors with fixed displacement are designed as bent-axes motors. This provides a compact design with few moving parts, low bearing loads, high reliability and high overall efficiency. Spherical pistons arranged at 40° ensure an efficient motor as well as a high starting torque.

- Operating pressure (p_{max}): 400 bar
- Geometric displacement (V_g): 108 cm³/rev.



Mobile and flexible – our electronic control:

Ideally suited to the hydraulic components, the PLVC operates and carries out signal evaluation for all functions. It is linked to the vehicle controls by a CAN bus, and can also send telemetry data to maintenance technicians remotely.



End-to-end service.

With five sales offices in Germany, 17 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
- Layout, set-up, and maintenance/service on-site

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

