

VOITH

Custom Designed Solutions. Voith Hydraulic Power Packs



Power Packs from Experts

Voith is your reliable fluid power provider with more than 40 years' of experience gained through the design and manufacturing of hydraulic power units. Voith has designed and built more than 5000 different types of power units, ranging from one-offs to quantity runs in the thousands.

Supply and Service Scope

If you are looking for a hydraulic power pack that is custom-designed to meet your system's needs, then you've come to the right place! In our collaborative process we use pressure and flow data, load profiles and the thermal budget to customize a hydraulic power pack that meets your precise technical requirements while operating efficiently.

We are with you at every step of the way, listening to your needs while offering expert planning and design advice in the construction of your hydraulic power pack.

Technical data

Tank volume	30 to 9000 l
Maximum operating pressure	20 to 315 bar
Cooling	None Air Water
Reservoir material	Steel Aluminum Stainless steel
Finish	Custom
Options	Accumulator charging technology Multiple pressure circuits Variable speed pump drives "Silent power packs"

Advantages and Benefits

Our engineers design hydraulic power packs to be as streamlined as possible. Your system will be less complex because the number of components and interfaces are kept to a minimum. This results in power packs with high reliability and availability on the one hand, and easy and cost-effective integration into your machine or systems on the other.

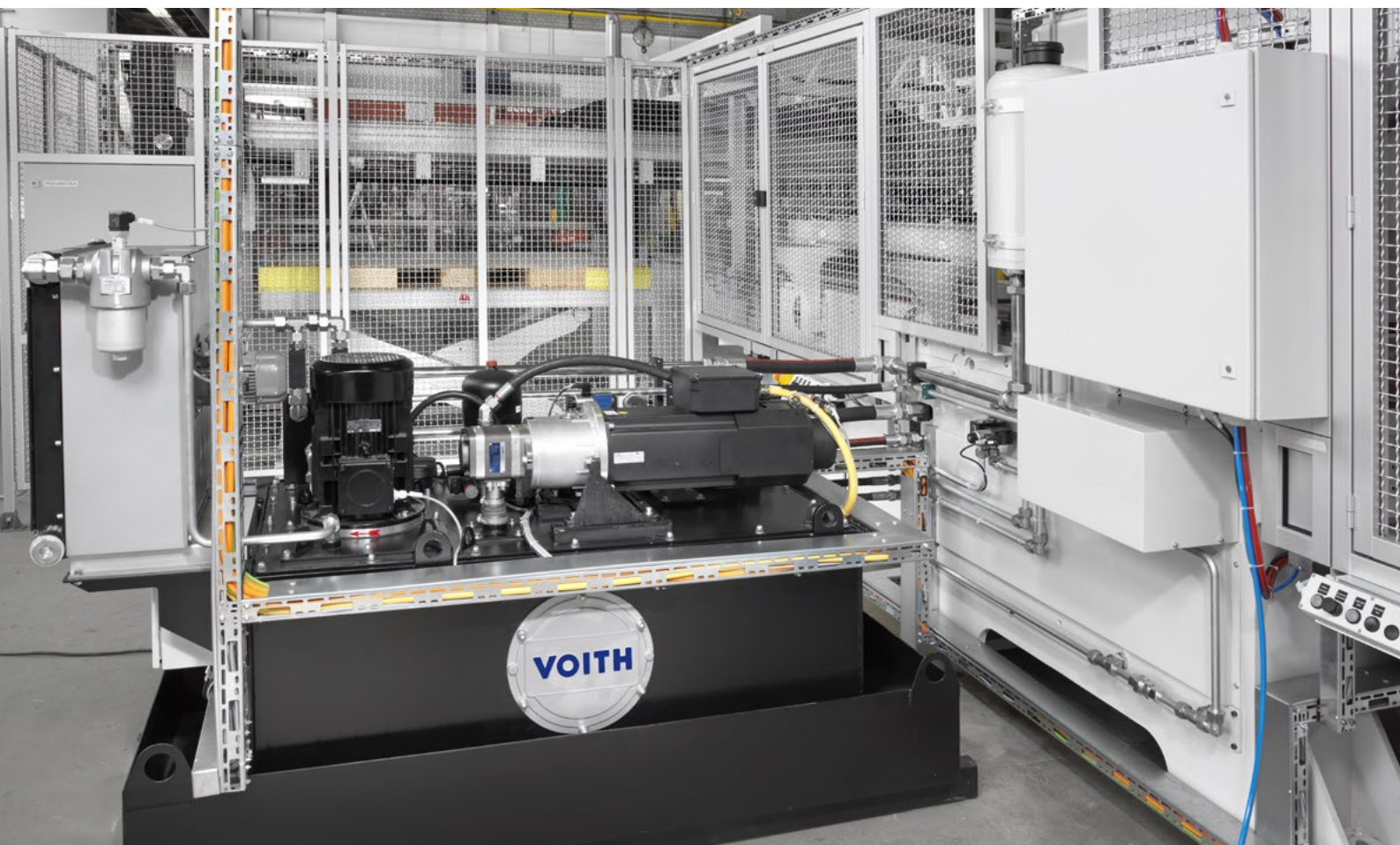
Noise emission from our internal gear pumps is exceptionally low. We use the lowest-noise electric motors to drive our pumps. For you, this means less effort and lower costs for noise abatement. Workplace guidelines can be met in most cases without the need for additional measures.

High-efficiency internal gear pumps are used in the development of our power packs. When appropriate, we also use accumulator charging technology, variable speed drives or

multiple pressure circuits. This way, you receive a power pack that has low power consumption, requires very little installation space and operates with minimal cooling requirements. This translates into low operating costs and easy integration with your equipment or system design. The unit's low connected load also ensures manageable infrastructure costs for the energy supply.

While planning your hydraulic system we recommend that you build your custom-designed hydraulic unit in the total quantity needed. This will provide you with the benefit of using a reliable single source supplier while reducing the development cost and speeding up construction.

Servo pump power pack in a 2500 kN press.



Applications



Technical data

Tank volume	30 l
Operating pressure	100 bar
Volume flow	7 l/min
Connection power	1.1 kW
Miscellaneous	Accumulator charging technology Safety control Series power pack

Machine tools



Technical data

Tank volume	200 l
Operating pressure	180 bar
Volume flow	48 l/min
Connection power	15 kW
Miscellaneous	Accumulator charging technology Series power pack

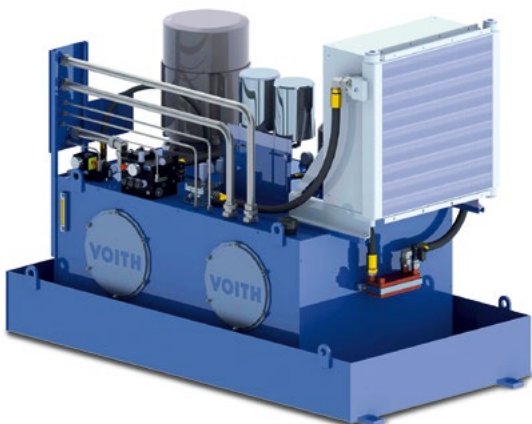
Sheet metal processing machines



Technical data

Tank volume	4 000 l
Operating pressure	175 bar
Volume flow	75 l/min, 2 x 185 l/min
Connection power	30 kW + 2 x 75 kW
Miscellaneous	Redundant operation Accumulator charging technology

Power generation



Technical data

Tank volume	1 000 l
Operating pressure	65 bar, 230 bar
Volume flow	150 l/min, 60 l/min
Connection power	15 kW + 75 kW
Miscellaneous	Accumulator charging technology 2 pressure circuits Separate cooling and filtering circuit

Sheet metal processing machines

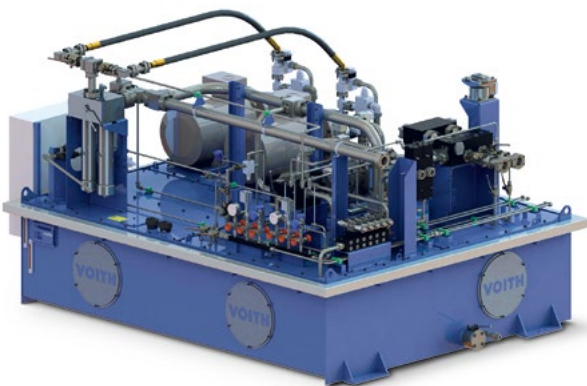
Applications



Technical data

Tank volume	2000 l
Operating pressure	130 bar
Volume flow	2 x 96 l/min
Connection power	2 x 30 kW
Miscellaneous	Redundant operation Accumulator charging technology Safety control Position monitoring Separate cooling and filtering circuit

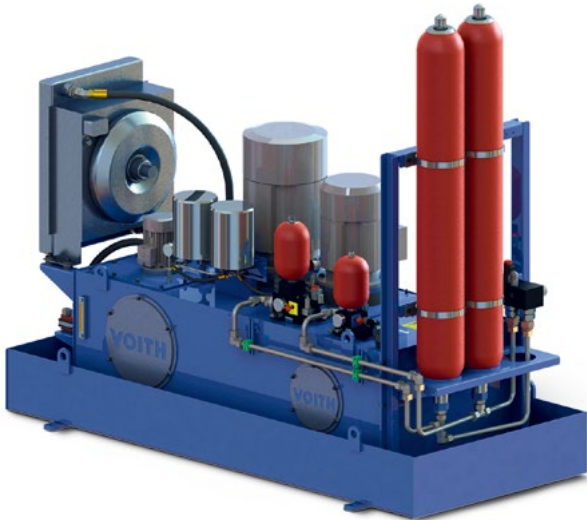
Power generation



Technical data

Tank volume	6000 l
Operating pressure	130 bar
Volume flow	185 l/min
Connection power	7.5 kW + 2 x 55 kW
Miscellaneous	Redundant operation Proportional control Safety control Position monitoring

Power generation



Technical data

Tank volume	600 l
Operating pressure	70 bar, 250 bar
Volume flow	75 l/min, 48 l/min
Connection power	15 kW + 30 kW
Miscellaneous	Accumulator charging technology 2 pressure circuits Casette design

Mechanical engineering



Technical data

Tank volume	2700 l
Operating pressure	175 bar
Volume flow	185 l/min, 2 x 38 l/min
Connection power	11 kW + 2 x 30 kW
Miscellaneous	"Silent power pack" Accumulator charging technology Safety control Position monitoring

Power generation

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VOITH
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for Generations