

# HYDRAULIC POWER UNITS



HOVEN  
HYDRAULIK

TECHNOLOGIE, DIE BEWEGT.

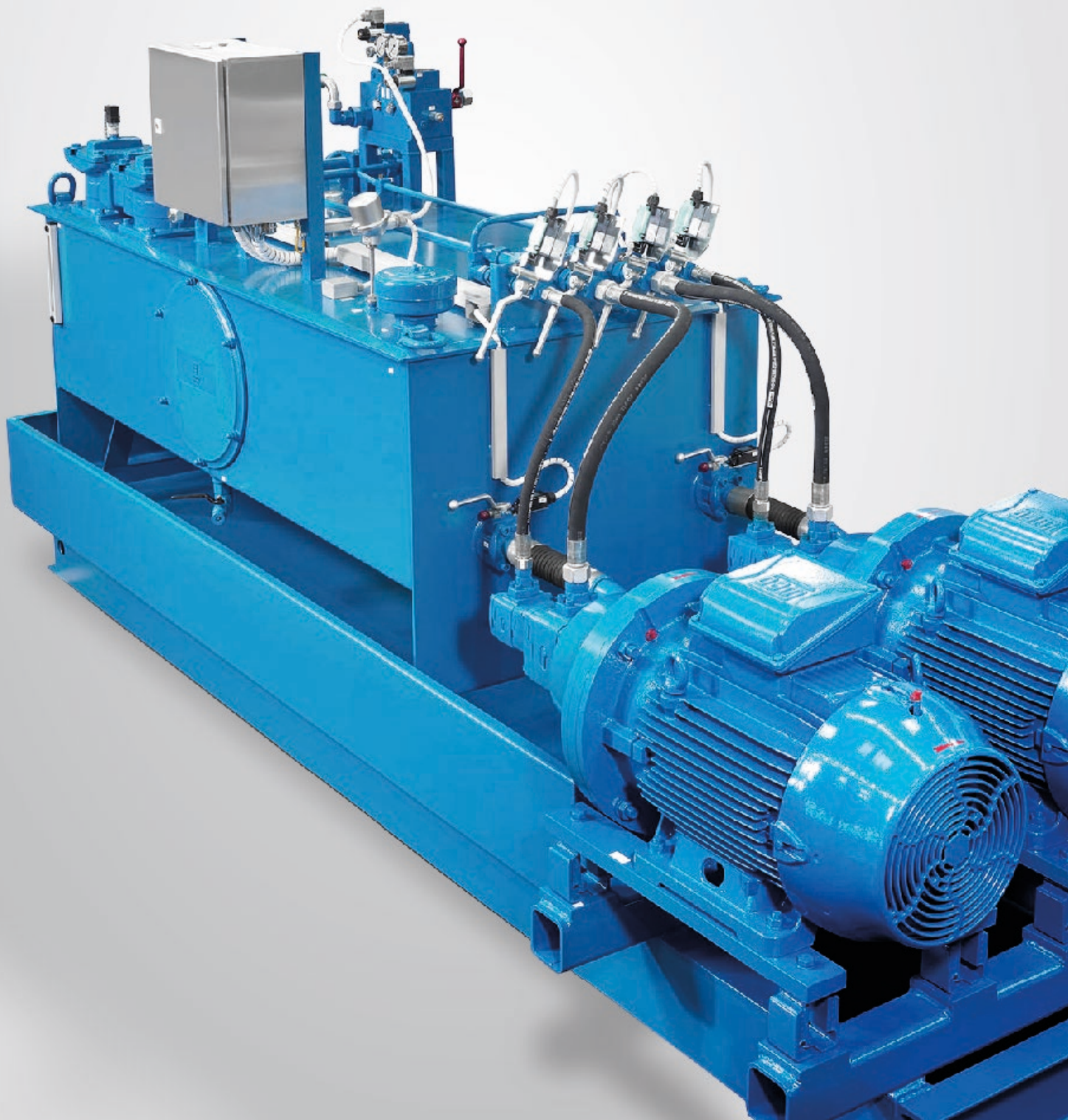
HYDRAULIC CYLINDERS • POWER UNITS • RECYCLINDERING • SERVICE & MAINTENANCE

HOVEN.DE

# THE RIGHT HYDRAULIC POWER UNIT FOR EVERY APPLICATION

**Cost-effective complete solutions with customised design**

Devised for specific applications, featuring customised designs and boasting nominal pressures of up to 350 bar – hydraulic power units from Hoven are the ideal partners for our hydraulic cylinders. They can be designed and produced in a manner that complements our cylinders or remains separate from them, with ATEX certification included on request.



## HYDRAULIC POWER UNITS IN CONVEYING TECHNOLOGY

In order to meet the requirements of special conveyed goods, conveying technology requires the use of tailored hydraulic power units. Whether in a maritime setting or in the case of high dust loads, we provide the corresponding power unit. Redundant drives and powertrains can also be deployed for use in difficult-to-access regions or for reasons of process reliability.

## HYDRAULIC POWER UNITS IN MACHINE AND PLANT CONSTRUCTION

In the fields of industry and production, machines are now deployed in order to meet extremely specific requirements. This often requires the use of energy-optimised hydraulic power units that ensure high cycle rates and a large number of switching operations in control terms. There must be precise control down to the level of micrometres and suitably dimensioned components must also feature a long service life.

## HYDRAULIC POWER UNITS FOR INDUSTRIAL FURNACES AND HEAT TREATMENT

Material technology plays an important role in the construction of industrial furnaces. As with the construction of machines, this process involves taking into consideration particular factors such as large temperature amplitudes, high levels of thermal stress and special hydraulic media for use in the hot temperature range. The development of corresponding hydraulic power units therefore demands special expertise on the part of the engineers. They have to account for the overall requirements during the heat treatment and casting process, as well as related peripheral factors.

## HYDRAULIC POWER UNITS FOR TEST BENCH CONSTRUCTION

The design of test benches regularly requires the use of new and innovative approaches. Many situations demand precise control down to the level of micrometres, with very high forces frequently having to be applied in a selective or permanent manner. For applications such as these, we provide compact, quiet and high-performance power units boasting drive outputs of up to 160 kW.



## HYDRAULIC POWER UNITS

We deliver the power units in containers made from aluminium, steel or stainless steel. These comply with the production standards and feature a volume of up to 3,000 litres. Larger special containers can also be provided, together with additional equipment features such as oil drip pans for environmental protection, roof covering for rain and dirt prevention and special encapsulations for noise reduction.

### **Specific hydraulic power units with precise control blocks**

With volume flow rates of up to 750 litres per minute, high-precision control blocks guarantee quick and exact control of the power units. Cooling circuits containing oil/water or air heat exchangers are integrated if necessary, ensuring reliable resistance to high temperatures and particularly frequent activation. We are happy to take account of customised specifications, industry-specific provisions and special requests relating to the coating and layout of the power units in consultation with you.

### **Documentation, testing and certification for all hydraulic power units**

For each plant, we are able to provide on request the comprehensive documentation material, system-specific data sheets and tests and certifications of all components according to the recognised standards – including the ATEX standard.

### **Cylinders and power units as a coordinated package**

We combine each hydraulic power unit with high-quality cylinders. This combination of cylinders and intelligently designed power units ensures that you can receive your hydraulic unit as a powerful and coordinated package from a single source.



REFERENCE POWER UNITS – drives for...



Machine frame



Wind power test bench



Furnace loading



Crusher



Centrifuge



Roller mill



Port crane boom



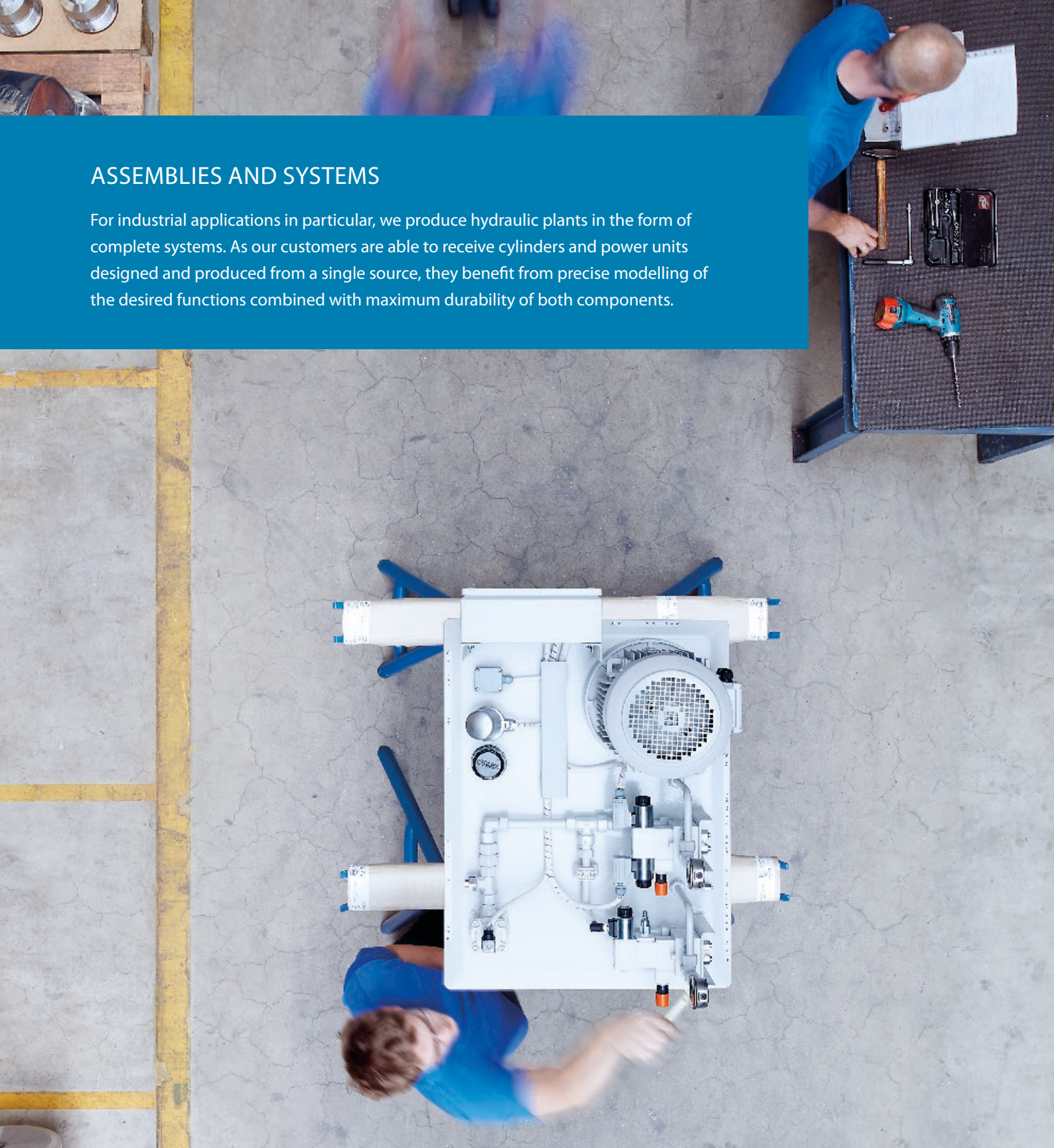
Lime shaft pre-heating



Lubricant supply

## ASSEMBLIES AND SYSTEMS

For industrial applications in particular, we produce hydraulic plants in the form of complete systems. As our customers are able to receive cylinders and power units designed and produced from a single source, they benefit from precise modelling of the desired functions combined with maximum durability of both components.



**ATEX<sup>Ex</sup>**  
BY HOVEN

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