

Investing in peace of mind

We know that unscheduled shutdowns are not acceptable for any plants. We also know that the kiln is the key to production. Hägglunds hydraulic direct drive systems offer an excellent solution for reliable and uninterrupted production. You can rely on our fast, professional assistance whenever needed.

With our global network of knowledge and service, we offer local support that goes well beyond the ordinary. Our experienced engineers are not only experts in our own solutions, but also have great application know-how.

Bosch Rexroth is your guarantee of quality and a one-stop solution, where you get everything you need from a single

supplier. Our worldwide organization provides engineering, installation and service, regardless of geographical location. For you, that means quick and well-coordinated global support for quotations, installation and on-site service or assistance when needed.

Retrofit kits for upgrading

When you need to increase production, you can easily make additions and adjustments to our modularly designed drive systems – with minimal disruption and optimal results. Complete retrofit kits for upgrading existing kilns are available and can easily be installed during a scheduled maintenance stop. During maintenance stops a hydraulic direct drive system is used both for the main drive and for the auxiliary, inching, drive.

Always close to you

When our drives are combined with a maintenance agreement from Hägglunds service experts within Bosch Rexroth, you can focus completely on your core business. With 160 service centers in over 80 different countries, we are always close at hand.



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Turnkey solutions for Kilns



Increase the production rate with hydraulic direct drives

A few products are so relevant for its application that they make a difference in the productivity of the machine. When it comes to kilns – the Hägglunds drive system is such a key product. With our long experience and exceptional depth of knowledge when it comes to hydraulic kiln drives, we offer the perfect drive solution both for friction and pinion driven kilns.

The rotating kiln, is often the heart of production and has to work 24/7. This makes it a perfect application for hydraulic direct drive systems, which offer unbeatable reliability, exceptional uptime, high starting torque and great flexibility.

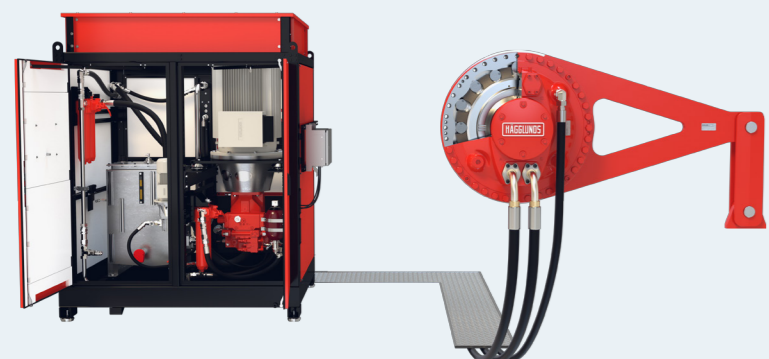
Not only do they withstand the toughest environments and offer perfect load-sharing but they also make it possible to start up the kiln without any overdimensioning of the drive system and even run very slowly for inching during maintenance.

All in all, a reliable and flexible solution to meet all your production needs. We offer a lower lifecycle cost, thanks to the excellent controllability coupled with maximized uptime.

Total performance and increased productivity - continuously Bosch Rexroth offers an easy path to the best drive system solutions for total performance, whether for new kilns or for modifications and upgrades. Our expertise and systems ensure that any and all relevant requirements are taken into account to achieve a complete and efficient solution for your operations.

A turnkey delivery from Bosch Rexroth creates a single point of contact for everything from equipment delivery, installation and commissioning to training of operators and arrangement of service contracts. You can rest assured that we always look to maximize performance. We take great pride in our continuous development of products and solutions.

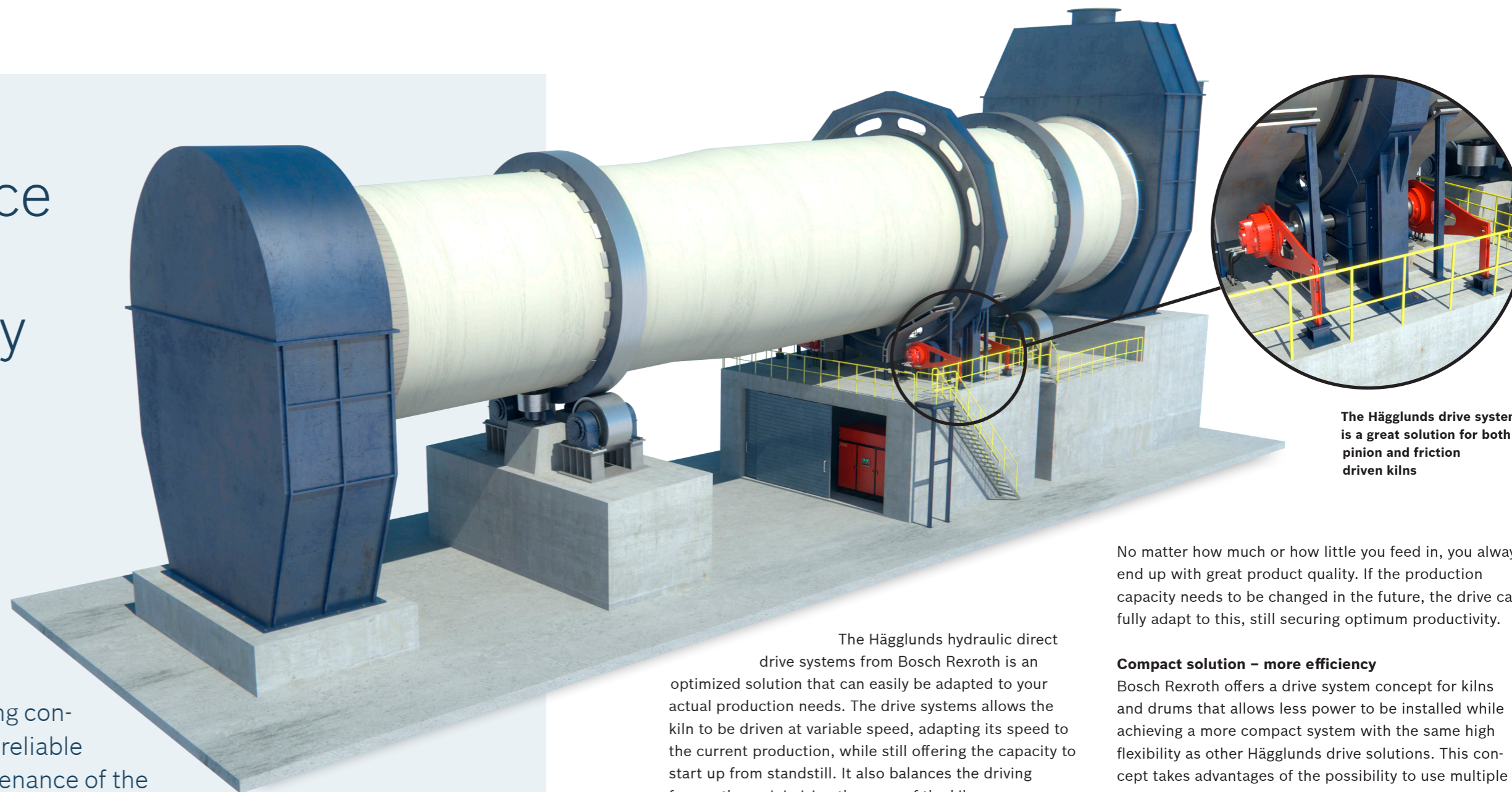
Hägglunds direct drive system – the solution for all your drive needs



A Hägglunds direct drive system comprises a hydraulic motor and a flexibly placed drive unit (including main pump and electrical motor etc), overseen by a control and monitoring system.

Reliable performance – improved productivity

With a hydraulic direct drive system, a kiln can be dimensioned for all operating conditions. Combined with the reliable performance and low maintenance of the Hägglunds direct drives this will give you excellent productivity, flexibility and reliability.



The Hägglunds drive system is a great solution for both pinion and friction driven kilns

No matter how much or how little you feed in, you always end up with great product quality. If the production capacity needs to be changed in the future, the drive can fully adapt to this, still securing optimum productivity.

Compact solution – more efficiency

Bosch Rexroth offers a drive system concept for kilns and drums that allows less power to be installed while achieving a more compact system with the same high flexibility as other Hägglunds drive solutions. This concept takes advantages of the possibility to use multiple Hägglunds motors in the complete drive system. Together with the intelligent control system of the Hägglunds drive units you get an adaptive system where drive parameters can easily be controlled to achieve the highest efficiency and an optimized production.

The Hägglunds hydraulic direct drive systems from Bosch Rexroth is an optimized solution that can easily be adapted to your actual production needs. The drive systems allows the kiln to be driven at variable speed, adapting its speed to the current production, while still offering the capacity to start up from standstill. It also balances the driving forces, thus minimizing the wear of the kiln.

Flexibility for better product quality.

Flexible speed control not only lets you increase production, but also results in better product quality, since you can optimize and find the best possible feed/speed ratio.

5 big benefits with hydraulic drive systems

Reliable operations

Hägglunds drive systems are engineered for heavy-duty applications and are invulnerable to harsh environments. They can easily handle varying production rate with their high controllability and unique ability to handle high starting torque without any need to overdimension the drive system.

Flexible production

The rotation speed can easily be adjusted as required – ranging from zero up to maximum speed with the same high degree of reliability. This secures the highest production and product quality. With multiple motors the drive parameters can be adopted to any need during operation.

Secured performance

The use of multiple hydraulic motors provide a very high level of redundancy as they can be run independently. The motors also offer 100 % load sharing which minimizes the wear and leads to less need for maintenance.

Saving space, time and cost

The compact Hägglunds motors are mounted directly on the driven shaft without gearboxes, foundations, special frames or complex attachments, which saves space, installation time and cost. The drive unit can be located anywhere convenient.

Low maintenance

The hydraulic direct drive motors have an excellent service life and the need for maintenance is kept to a minimum. The drives have few components, come with an excellent control and monitoring system and are designed to withstand even the toughest environments.