

A global partner with local support

Whether you need complete drive solutions or upgrades of existing equipment, you can always count on our assistance and support. Our goal is to become your partner, which means fully understanding your business and giving you full access to our expertise and specialist knowledge. All to bring you the most optimal solutions and the highest possible availability.



Taking responsibility for the whole solution includes taking responsibility for even the smallest component parts. In our case, it means original parts and tailored support. 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.

Easy to upgrade

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.

We've supplied and installed drive systems for shredders based on Hägglunds hydraulic motors for more than 30 years. The experience we've accumulated over decades has given us a solid understanding of how to configure each function to get the best out of your shredder.



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Turnkey solutions for shredders



Built to expect the unexpected

We know that tough environments, confined spaces, explosions and a mix of heavy-duty materials are part of your every day. We also know that dealing with all this together with a tough production schedule only compounds the challenges you face. That is why we offer you compact and reliable solutions that are shock load resistant, insensitive to vibrations and flexible in their speed, power and direction.

To maximize the performance of your shredders, Bosch Rexroth brings you the best drive solutions, whether for new shredders or for modifications and upgrades of existing machines. No matter what shape and size the material, with Hägglunds direct-driven hydraulic motors, you can shred it all. From big, bulky items – like metal scrap or entire cars – to tires, plastics, electrical cables and household garbage. We have turnkey solutions for all kinds of shredding; tearing, shearing and fractioning.

Maximize production

Using our drive solutions on your machine or production line, you can start up in any load condition and run at high load for long periods. Additionally, you can start, stop and reverse as often as required. The excellent overload protection – together with high torque and a low moment of inertia – helps protect your machine and its components, which in turn increases production availability.



New possibilities – continuously

We continuously improve our products, solutions and designs, all of which are tested extensively in our own unique hydraulic laboratory in Sweden. Our new range of Hägglunds hydraulic motors offer the highest possible torque-to-weight ratio. And even more new solutions are on the way, which will open up new possibilities, especially for smaller shredders. As a customer with any of our products, you naturally benefit from all the knowledge gained in our continuous development process.



Our customers report low power consumption and maintenance costs in relation to throughput. Availability and reliability remain high, even when processing dirty and heavy material.

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Eldan Recycling stands for superior quality and reliable equipment and production. When we select a supplier we make sure they fulfill these requirements. Choosing Bosch Rexroth as the supplier of our large hydraulic motor was therefore a simple choice.

Claus Skotte Lange,
Production Coordinator
at Eldan Recycling

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Since the rotor speed is continuously adjustable, we can optimally design our shredder and our application for the material to be shredded – regardless of whether it is hard, soft or firm.

Andreas Mack,
General Manager Financial Affairs
at Weima Maschinenbau

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big benefits
with hydraulic drive systems

Shock load protection

Featuring built-in protection against shock loads, our drives safeguard against overload to ensure maximum uptime. Our direct drive technology lets you handle full load from standstill, without time restriction.

Unlimited starts and stops

There's no limit to the number of consecutive starts, stops and reversals a shredder can make when equipped with a hydraulic direct drive. Fully variable speed lets you truly utilize the motor's capacity, adjusting it to the material being shredded.

Maximum uptime

The low moment of inertia offered by our direct drives provides unbeatably smooth driving with less wear on your teeth and knives. High-speed pressure control minimizes the transfer of stresses and strains to shafts, cutters and bearings.

Reliability

Our drives are built for long life with a minimum of maintenance and are easily adjusted or upgraded. Their operating principle has proven to be good practice for shredders and an assurance of long and dependable operation.

Compact

A robust and compact hydraulic motor provides the highest possible flexibility. Mounted on the driven shaft, it takes up minimal space. The drive unit is separate and can be placed wherever convenient.

Features:

- ▶ Built-in ability to resist shock loads and stalling conditions
- ▶ Ability to endure unlimited stops, starts and reversals, even in the most severe environments
- ▶ Excellent overload protection that minimizes downtime and increases machine availability

