Turnkey solutions for apron and belt feeders
Increase your uptime with world-leading power

Bosch Rexroth offers an easy path to the best drive system solutions for total performance, whether for new feeders or for modifications and upgrades of existing machines. 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.

Apron and belt feeders handle high starting torque and frequent load spikes in harsh environments. Our modular drive solutions offer built-in protection against shock loads, which safeguards your machine’s functionality and reduces the risk of production stops. The moment of inertia of our hydraulic direct drive systems is a mere 0.1% compared with that of an equivalent electromechanical drive system with a gear reducer. This feature is significant when you consider increasing the uptime on your feeders by limiting stress on machinery, chains and drive line.

**Engineered for heavy-duty performance**

Our hydraulic direct drive systems give you access to high starting torque and sustained high torque capability. Using our drive solutions on your feeder also means that you can start up in any load condition and run at high load for long periods – all with a system based only on average power need. Additionally, you can start and stop the feeding as often as required without limitation.

**Increase productivity – continuously**

You can rest assured that we always look to maximize performance. We take great pride in our continuous development of products and solutions. Our rugged and reliable drive and control solutions are engineered for tough environments and the demanding applications both of today and tomorrow.

On a performance-to-weight basis, our solutions were already best in class. Now we have taken the next step with our new CBM range of Hägglunds hydraulic motors. Compared with our previous standard motor, Marathon, CBM has smaller dimensions and about 25-30% less weight – yet more power and higher performance. CBM offers the highest torque-to-weight ratio in the world.
Features:
- Full starting torque for an unlimited time
- Built-in overload protection
- Easy handling of frequent starts and stops
- Variable speed enabling process optimization

Space
Many feeders are installed where space is limited. Our solutions provide the highest possible flexibility. The robust hydraulic motor is small, and with the direct mounting minimum space is required around the feeder. The drive unit is located where convenient space is available, independent from the drive shaft placement.

Maintenance
The generous rated service life of our drive systems means that a minimum of maintenance is needed. The systems have a modular design and are based on serial produced standard components so maintenance and service can be provided really quick and easy.
Before using the hydraulic drives we had a headache from the application. We tried several variable-speed drive solutions, but there was always too much unforeseen downtime and high maintenance costs. Ever since we introduced the Hägglunds motors it’s been working perfectly.

Mr. Govert de Bruin, EECV

Basically the hydraulic drives are trouble-free and they offer very reliable starting torque and performance. This was actually the point of trouble in the past, as our feeders are running in two ways and starting in the pushing mode is very tough. Our previous systems failed every now and then, which was the reason why we decided to go for the Hägglunds solution. They always start, they never let you down.

Mr. Martien Blanken, Europees Massagoed Overslagbedrijf, EMO

High starting torque
The hydraulic direct drive technology provides the feeder with the ability to work at full torque from standstill, without time restrictions. The installed power can be fully utilized, and no oversizing for high starting load – or peak loads, is needed.

Frequent starts and stops
There is no limitation on the number of consecutive starts and stops the feeder can make when equipped with a hydraulic direct drive. Additionally, the feeder can run at any speed within its speed range – constantly, without any limitations.

Reliability
The hydraulic direct drive is confirmed to have very high reliability. The engineering and design of our systems is based on providing a long life with a minimum of needed maintenance. The operating principle is proven to be good practice for feeders and an assurance of long and dependable operation.
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 entails fully understanding your business and giving you full access to our range of expertise and specialist knowledge. All in order to give you the most optimal solutions and the highest possible availability.

Taking responsibility for the whole solution includes responsibility for even the smallest component parts. In this case it means original parts and tailored support. Bosch Rexroth is your guarantee of quality and a one-stop solution, giving you everything you need from a single supplier. Our worldwide organization provides engineering, installation and service, regardless of geographical location. This translates into quick and well-coordinated global support for quotations, installation and on-site service or assistance when needed. When you enlist us for maintenance, you know that the work will be carried out by local, trained personnel with solid product knowledge.

**Easy to upgrade**

We have supplied and installed drive systems for feeders based on Hägglunds solutions for more than 30 years. The experience accumulated over the decades has given us a solid understanding of how to configure each function for optimal result.

Furthermore, our flexible and modularized systems are designed with future upgrades in mind. When you need to increase production, you can easily make additions and adjustments to the modularly designed drive system with minimal production disruption and optimal result.