

# A reliable edge in recycling

**HÄGGLUNDS**

# Get a sustainable advantage

**Recycling is about taking things further, including your business. Hägglunds hydraulic drive solutions stretch both performance and lifetime, so that you can achieve more. Behind them is a team that's driven to see you past the obstacles – driven to the core.**

## **Torque and speed to put you in control**

Whether you're ripping or tearing, feeding or digesting, Hägglunds hydraulic drive systems let you work with efficiency. Able to match the exact speed of your process, they can also get it moving under nearly any load. Their starting torque is extreme, and they can supply high torque indefinitely, no matter what the speed or load condition.

## **Built to take a beating**

Of course, Hägglunds drives do more than deliver torque. They also protect against torque stresses. In recycling applications where shock loads are the norm, they shield your machines with their low moment of inertia. Inside and out,

our drives are engineered for the harsh reality of collection yards and scrap heaps. Their rugged design withstands the conditions you face, even where explosions are a risk.

## **A perfect fit for productivity**

Hägglunds benefits come in a compact package, with shaft-mounted hydraulic motors and flexibly placed drive units. There's no gearbox, no overdimensioning, nothing to get in your way. Yet small as our drives are, there's big commitment behind them. With a wide scope of modular solutions, top-notch support and years of experience in recycling applications, we're here to get you the most – from your machines and the materials you recycle.

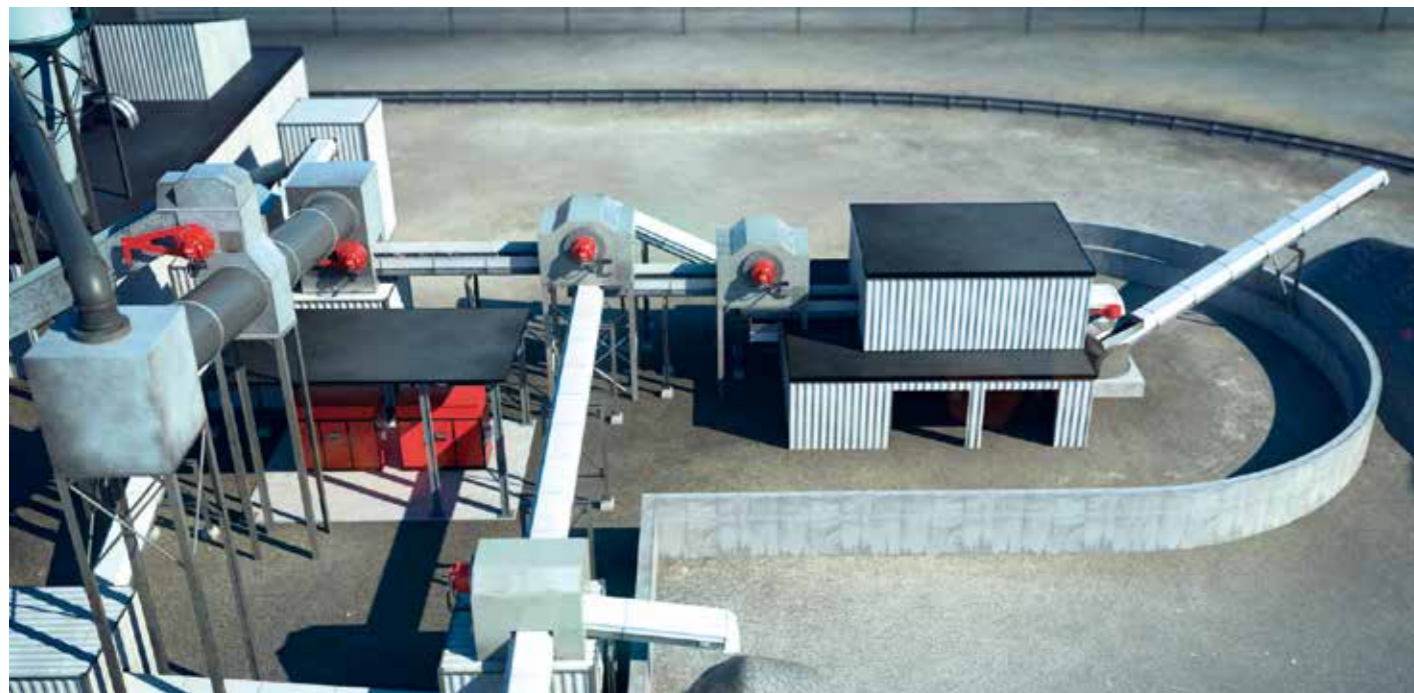


## “We took a big step forward with Hägglunds drives”

**Headquartered in Germany, WEIMA has spent 40 years pushing boundaries in the recycling of wood, plastics and waste. The company's shredders are known worldwide, and WEIMA chooses to equip them with Hägglunds hydraulic drive systems.**

For WEIMA, the greatest strength in a Hägglunds solution is the flexibility in torque and speed. “One of the big challenges for our customers is the changing input material, which can be small or large, light or heavy and possibly full of impurities,” says Managing Director Andreas Mack. “The ability to vary these two aspects, speed and torque,

means security and risk reduction.” Simply put, Hägglunds systems keep WEIMA shredders reliable. “Our customers want systems they can operate 24/7,” Mack says. “The best drive system they can have on a shredder for waste recycling is a hydraulic drive system.”



# Partners in your performance

**For decades, Hägglunds systems and solutions have stood for peace of mind in recycling – and so have our service experts. Our service team is on your side 24/7, wherever you happen to be.**

Whether assisting you on site, supporting you remotely or making repairs and adjustments in our workshops, we keep your existing Hägglunds systems running strong. But we can also modernize or upgrade your drives, putting the latest advances and application know-how to work for your productivity. Our service offices and workshops are available throughout the world, and you'll always find us at [www.hagglunds.com](http://www.hagglunds.com)



## 1. TOP PERFORMANCE FOR SHREDDERS

With Hägglunds drives your shredders are a cut above the rest when it comes to reliability. With no gears and no risk of overheating, they can sustain brutal torque – and endure an unlimited number of stops, starts and reversals. When shock loads occur, their hydraulic system instantly relieves stress on shredder bearings and shafts. So teeth and knives stay in service longer, and you can get more done.



### Top features – Shredders

- ▶ Full torque throughout speed range
- ▶ Unlimited ability to start, stop and reverse
- ▶ Overload protection saves parts and uptime

## 2. OPTIMIZING FEED RATES

Machines like shredders and mills may do the dirty work, but their throughput depends on the rolls and conveyors that feed them. Hägglunds drives keep the perfect pace, moving fast or slow, forwards or backwards, exactly as the task requires. With their high torque, our drives make it easy to start up, even under heavy loads. And they can stop just as quickly if the job – or someone's safety – demands it.



### Top features – Infeed rolls and conveyors

- ▶ Exact speed to match throughput needs
- ▶ High controllability in forward or reverse
- ▶ High torque even at low speed

## 3. READY TO SHARE THE LOAD

When Hägglunds drives work together, you gain added advantages. On digesters and autoclaves, they automatically establish 100% load sharing, giving you smooth, vibration-free rotation at exactly the speed you need. High torque gets the drum moving, and the precision control lets you stop it in a balanced position, for example to engage a shotbolt.



### Top features – Digesters and autoclaves

- ▶ Automatic 100% load sharing between drives
- ▶ Space and weight savings
- ▶ High torque and controllability



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