

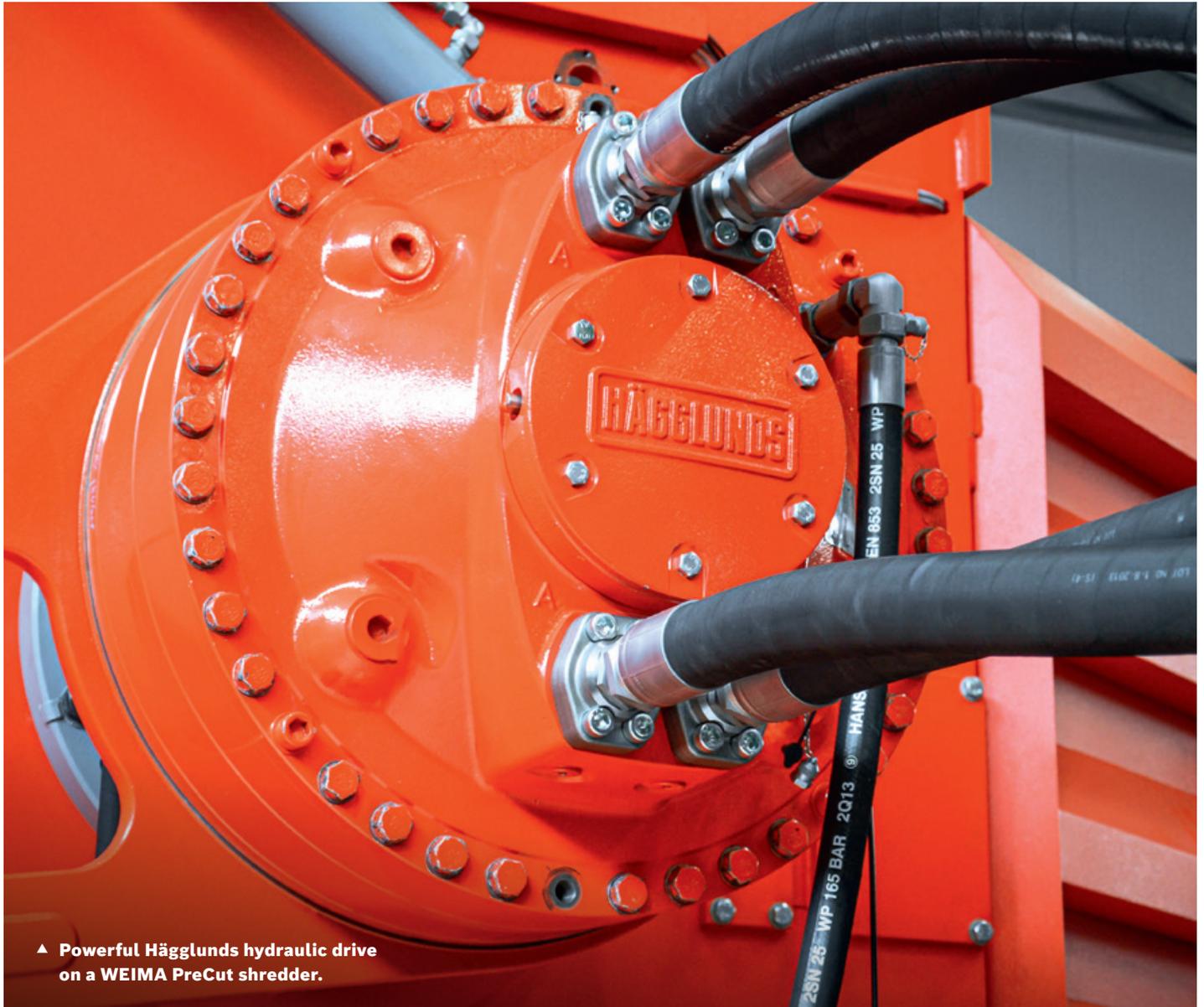


**WEIMA shredders have
a sharper edge with
Häggglunds drives**



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As the world's focus on recycling grows, WEIMA is providing recyclers with innovative, high-quality machines for shredding and briquetting. All WEIMA equipment is built with sustainability in mind, but the life cycle of shredders is especially demanding. This is why WEIMA equips them with Hägglunds drive solutions.



▲ Powerful Hägglunds hydraulic drive on a WEIMA PreCut shredder.

FROM GERMANY TO THE WORLD

Headquartered near Stuttgart, Germany, WEIMA has spent the past 40 years pushing boundaries in recycling. Though still a family business, now in its second generation, the company has expanded to become a truly global OEM, with two sites in Germany, another in the USA and subsidiaries in China and India. WEIMA sells around 1500 machines per year, with 90% of that business going to the export market.

Today the company is among the first choices worldwide when it comes to wood, plastics and waste recycling. Shredders and other waste recycling components represent at least one-quarter of the company's turnover – and are an area where Hägglunds hydraulic direct drive systems are key to WEIMA's offering.

THE CHOICE OF DRIVE IS CRUCIAL

“Our customers want systems they can operate 24/7,” says Managing Director Andreas Mack, who has been at WEIMA since 2006. “Production time means output, which in their business means turnover. But the process material is destroyed in our machines as it goes from one form to another, which places a huge strain on the machines and their components.”

In both briquetters and shredders, WEIMA trusts hydraulics from Bosch Rexroth to manage the extremes. For big shredders, the choice always falls on Hägglunds hydraulic drive systems.

“What's the secret of a shredder?” Mack explains. “It's not the steel, but the drive train, the machine control and the cutting geometry. We convince our customers that the best drive system they can have on a shredder for waste recycling is a hydraulic drive system.”



▲ **Andreas Mack, Managing Director WEIMA Group GmbH & Co. KG**

FLEXIBLY MEETING CUSTOMER NEEDS

WEIMA first began working with Hägglunds solutions in 2008. In the years since, the company has used Hägglunds drives in everything from small mobile machines for document shredding to large shredding units with 355 kW of installed power, pumps and large Hägglunds CA or CB hydraulic motors.

“We've had many very successful projects with Hägglunds solutions, and the drives are very good for the way our customers use the machines,” says Mack. “One of the real advantages is the variation in torque and speed we can provide for specific customer needs. We can build our machines to order, with a specific configuration of pumps and motor sizes that addresses all our customer's requirements – on a very high level.”

VARIABILITY FOR CHANGING DEMANDS

Mack says the flexibility in designing shredders with Hägglunds systems is matched by that of operating them. “One of the big challenges for our customers is the changing input material, which can be small or large, light or heavy

and possibility full of impurities,” he explains. “The ability to vary these two aspects, speed and torque, means security and risk reduction for the customer.”

Unlike an electromechanical drive, Mack notes, a Hägglunds drive can solve the needs of the moment. “Every machine can be changed, but you have to spend a lot of money and use a lot of components to give a traditional drive more speed or torque,” he says. “This is the big advantages with the hydraulic drive train. You just push the lever, so to speak, and you have more speed – or less speed and more torque.”



▲ WEIMA V rotor, equipped with cutting knives.

In addition, a Hägglunds drive can shift between forward and reverse operation, as often as needed. “Customers may have to reverse a number of times to bring the material into position for the cutting geometry,” Mack says. “Variability, being able to continue working at all times, is why they should never consider anything else but a hydraulic drive train.”

PARTNERSHIP TO RELY ON

Impressed as he is with Hägglunds drives themselves, Mack also has high praise for the people behind them. WEIMA is self-sufficient in most service aspects, thanks to an agile service organization around the world. However, the Hägglunds team can always be counted on for additional support and expertise, such as sending specialists to WEIMA customer sites when needed.

“We’re in a very good, long-lasting relationship with Bosch Rexroth and the Hägglunds team,” Mack says. “You find out quickly who is a good partner and who is not. When you have a problem and you need a solution that you can’t supply yourself, you learn how good the relationship with your supplier is. We’ve learned that we can rely on Bosch Rexroth and Hägglunds.”

PURSuing EVEN SMARTER SHREDDERS

Looking ahead, WEIMA plans to continue innovating, especially when it comes to digital solutions. Mack envisions more independent shredders down the road, and he sees cooperation with the Hägglunds team as part of reaching that goal.

“I want to see completely automatic, self-regulating systems, where the shredder decides the necessary operating mode based on sensors that get information from the machine,” he says. This idea fits neatly with the condition monitoring



▲ Pipeline recycling with a WEIMA WLK 30 Super Jumbo single-shaft shredder.

“I WOULD SAY WEIMA TOOK A VERY BIG STEP FORWARD WITH HÄGGLUNDS SOLUTIONS”

and other connectivity already being employed in Hägglunds drives. “My vision for the years to come is a shredder that learns and is able to decide the best thing for a customer’s production, and we have projects with the Hägglunds team where this is in focus.”

LEADERSHIP CONFIRMED BY CUSTOMERS

In the meantime, WEIMA is at the forefront of today’s recycling market, with cutting-edge machines and a strong base of returning customers worldwide. When it comes to

shredders, Mack attributes a good measure of that success to the choice of Hägglunds drives.

“I would say WEIMA took a very big step forward with Hägglunds solutions, in terms of providing a highly sophisticated drive train that brings a lot of benefit to the customer,” Mack says. “The feedback we get from customers using hydraulic drive systems is that they are very happy. But the best proof is that they buy additional systems based on their good experience – and you can’t get better proof than that.”

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