

# Regular service keeps seasoned shredder in trim



**Help is at hand**  
*Good service is also about being there when you most need it. Metso Waste Recycling has subsidiaries and agents around the world who are ready to come out to you right away.*

A Metso shredder is practically indestructible, provided it gets the proper service. In the German production company, Carl Macher, an M & J PreShred 6000S-12 has been running continuously since it was introduced back in 2004. It has achieved 100,000 operating hours and still runs like new.

Carl Macher are an old, highly respected company in the southern German town of Brunnenthal. Since their humble start in 1821 they have evolved into a global, market-leading manufacturer of core boards of every conceivable shape and sizes. One of the company's major priorities is to protect the environment through sustainable production. It uses only recycled paper, and the company's end products are 100% recyclable. This effort is underpinned by highly efficient production facilities, and it is here that Metso Waste Recycling play a crucial role.

## It can last forever

In 2002, after a lengthy trial period, Carl Macher decided to invest in an M&J PreShred 6000S-12 knives. Commissioned in 2004, the machine is used to shred old cardboard and paper for use in new products. One of the shredder's special strengths is its modular construction. That makes it easy to keep the machine up to date, with

regular replacement of wear parts and upgrades. Since its introduction the machine has run non-stop 24/7 all year round - interrupted only by regular service inspections. This impressive achievement testifies to well-conceived design and high quality.

"Over the years the machine has had several wear parts replaced and today operates with the newest type of knives - the 6000 Samurai. The power pack has also been given the newest electric motor, which complies with the latest standard in the field. In principal, the shredder can last forever, since all modules can be replaced independently," explains Jens Christian Berg, Metso Waste Recycling's Service Sales Manager.

## Less wear and tear than stated in the guarantee

It goes without saying that a shredder, which operates for more than 8,500 years a year, suffers a great deal of wear and tear. That is why regular service checks and replacement of vulnerable wear parts are crucial. Naturally, Metso Waste Recycling's service department has explicit manuals addressing issues of inspection and replacement and how often this needs to happen. However, in practice, it has turned out that the machine and, consequently, the maintenance costs have been significantly less than what the guarantee states. On average, the estimate is just 0.75 Euros per ton of shredded material.

"We are extremely satisfied with our M&J Preshred 6000 S-12 Samurai and with our association with Metso Waste Recycling. The modular construction means that we always have the latest upgrade, and that the shredder constantly operates optimally. In fact, it is running better than ever," says Peter Schaller, Maintenance Manager at Carl Macher.

## The company

Carl Macher GmbH & Co. KG manufacture core boards. They serve manufacturers of cans, drums, cylindrical and conical textile cores, spiral and parallel cores, and hygiene papers. The company operate as a subsidiary of Kunert Gruppe.

