

# M&J

## Stationary Pre-shredders



Superior  
Recycling  
Technology

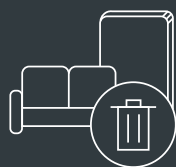
# Tough on waste, easy on costs, unmatched in quality.

M&J Recycling is today one of the world's leading suppliers of pre-shredders for the recycling and waste industry. With a strong focus on R&D, M&J Recycling continuously pushes the boundaries of what pre-shredders can perform, and rethinks features to operate more consciously for our environment and for your bottom line.

M&J pre-shredders are engineered for primary shredding - the first stage of waste processing – where power, reliability, and versatility matter most. What sets us apart from other suppliers is how we harness inertia. By combining high torque with advanced inertia utilisation, our pre-shredders achieve peak efficiency. Together with slow-speed technology and customizable cutting systems, they deliver reliable, high-quality and capacity performance with minimal maintenance.



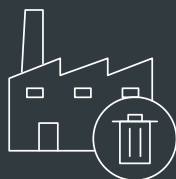
Can handle  
any waste  
type, among  
others:



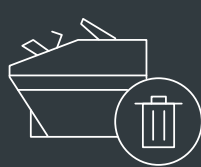
Bulky waste



Municipal solid waste



Commercial & industrial waste



Construction & demolition waste



Plastic waste



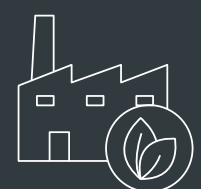
Paper & cardboard



Post-consumer plastic bag opening



Waste wood & wood stumps



RDF/SRF

## Testimonial (P4000e):

Our new shredder is cheaper to run and has given us shorter working days. We can get to the bottom of the waste piles now. We have never done that before. That means shorter workdays for me and my colleagues.

**Brian**  
Foreman, P. Olesen.

# M&J Pre-shredder Product Range

## Key benefits:



**M&J P2000e pre-shredder**

**Power:** 110 kW.  
**Capacity:** Up to 70 t/h\*.  
**Knife count:** 6, 8, 9, 10



**M&J P3000e pre-shredder**

**Power:** 2x75 kW.  
**Capacity:** Up to 48 t/h\*.  
**Knife count:** 7, 8, 9, 11



**M&J P4000e pre-shredder**

**Power:** 2x110 or 2x160 kW.  
**Capacity:** Up to 125 t/h\*.  
**Knife count:** 6, 8, 9, 10, 12



**M&J 2000 pre-shredder**

**Power:** 132 or 200 kW.  
**Capacity:** Up to 70 t/h\*.  
**Knife count:** 6, 8, 9, 10



**M&J P3000 pre-shredder**

**Power:** 132 or 2x132 kW.  
**Capacity:** Up to 48 t/h\*.  
**Knife count:** 7, 8, 9, 11



**M&J P4000 pre-shredder**

**Power:** 2x132 or 2X200 kW.  
**Capacity:** Up to 100 t/h\*.  
**Knife count:** 6, 8, 9, 10, 12



**M&J P1500 pre-shredder**

**Power:** 132 or 2x132 kW.  
**Capacity:** Up to 40 t/h\*.  
**Knife count:** 5, 6, 7, 8



**M&J P6000 pre-shredder**

**Power:** 2x200 kW.  
**Capacity:** Up to 200 t/h\*.  
**Knife count:** 9,12,14,16



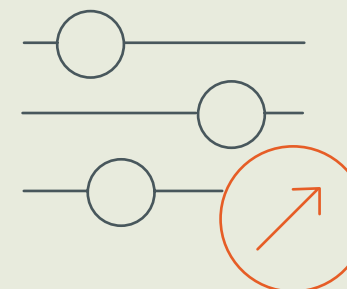
**M&J B3000e bag-opener**

**Power:** 2x75 kW.  
**Capacity:** Up to 25 t/h\*.  
**Knife count:** 7, 8



### Cutting technology that shreds it all:

Our groundbreaking cutting technology - today a market-standard - combines an open cutting table, asynchronous shredding, and anti-jam protection—handling everything from bulky to lighter waste with unmatched efficiency.



### Flexible to fit your needs:

With the widest configuration range on the market, including various knife types and custom setups, you can tailor each machine to your specific materials, capacity, and facility layout.



### Lowest cost per shredded ton:

Our eDrive system and unique features like ReCapture and UltraBoost, reduce energy use by up to 80% while still utilising the shredder's full capacity, making it a cost-effective investment.



### Highest quality output:

Our pre-shredders are meticulously engineered to match your requirements - from cutting area and shaft count to knife design and motor power. This is what makes our output quality stand out.



Electric



Hydraulic



UltraBoost



ReCapture

\* Depending on material.

## eDrive

Many of our pre-shredders come with an electrical drive, what we call an eDrive. With our eDrive family, we prove that you can, in fact, have it all. It performs better than pre-shredders with hydraulic drives, while operating more quietly and consuming up to 80% less energy.

Most M&J pre-shredders with eDrive are equipped with two unique features. Look for the logos on the shredder overview to see which are equipped with these features.

## ReCapture®

ReCapture is a revolutionary energy-saving system for M&J Recycling's pre-shredders with eDrive. It intelligently harnesses the energy from one motor to power the other during shaft reversals.

## UltraBoost

UltraBoost is a cutting-edge software powered by an intelligent regulator that performs 4.000 real-time reads per second. It adapts dynamically to your system's needs and automatically determines the exact power required.

# Benefits with eDrive:



Up to 80% lower  
energy consumption



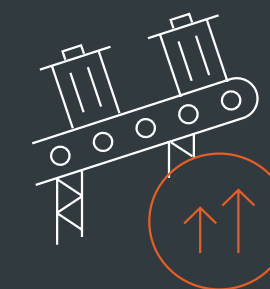
Reduced noise  
emission



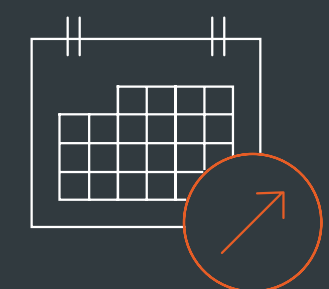
Lower operating  
costs



Reduced carbon  
footprint



Increase  
throughput



Extended equipment  
lifetime

# M&J Pre-shredder technology that makes a difference

M&J Recycling's original pre-shredding technology, developed by our experienced team of engineers, has today set the standard for the primary shredding industry.

## High-quality knives:

M&J pre-shredders are the only ones on the market that can be equipped with 5 knives and up to 16 knives per shaft.

Because knife performance is critical, we use an advanced automated welding robot to ensure exceptional and consistent quality. The heating process for shafts and knives is monitored and logged 100%, guaranteeing the correct temperature before welding. The robot also positions and mounts each knife with precise accuracy within the specified tolerances—delivering superior quality and outstanding reliability in the final product.

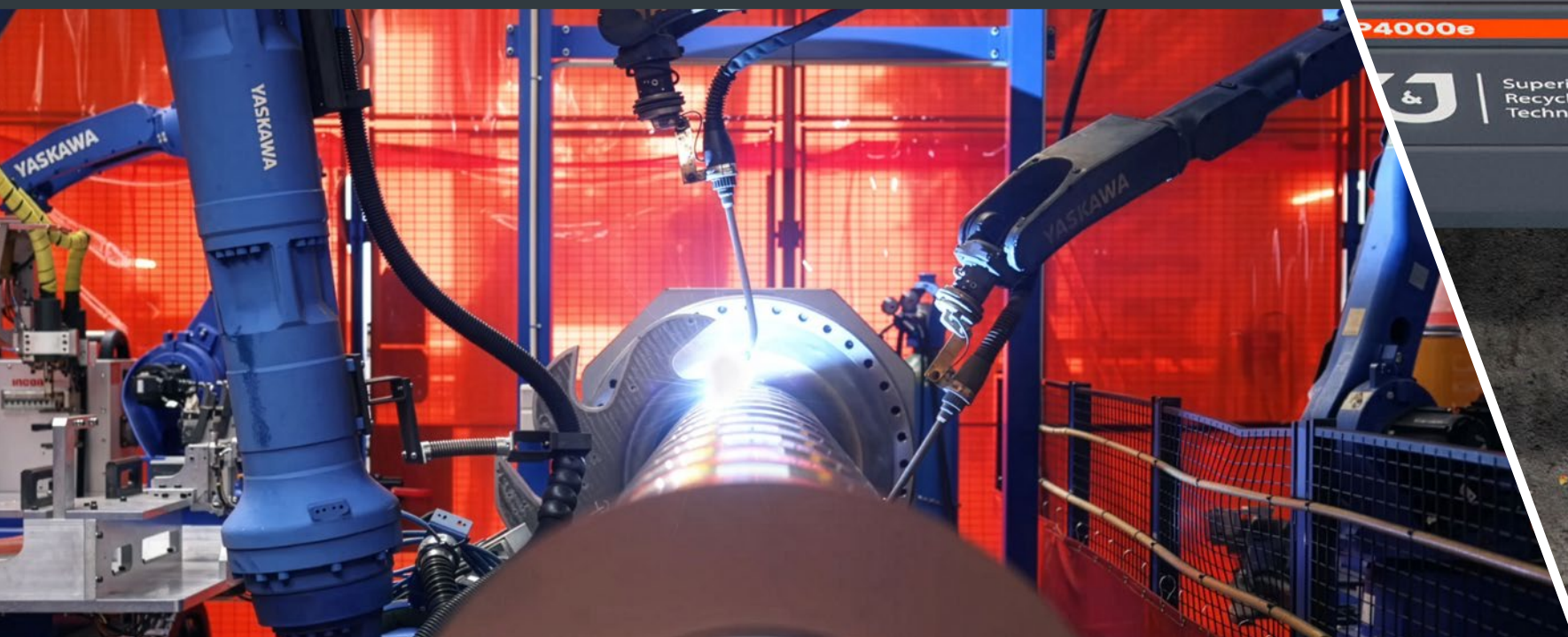
**Asynchronous & Bi-directional shredding** keeps waste in constant motion for maximum efficiency—no push device needed thanks to our aggressive knife design.

**Intelligent shredding routines** automatically adapt to material characteristics. The PLC control system offers six standard programs, including two customizable options.

**Protection and Anti-jam systems** protect the machine from large unshreddables.

**Open cutting table** lets stones and metals fall through, reducing wear and downtime.

**Twin-shaft aggressive cutting system** delivers high performance.



# More than a shredder - peace of mind for a lifetime

Our global network of highly skilled Service Technicians is always close at hand, ready to provide the support you need, whether remotely or on-site. With key spare parts always nearby, we keep your operations running smoothly.

Our **Training Academy** ensures every technician is highly skilled and up to date, delivering top-quality service every time. We also offer customised training to empower your team and improve your daily performance.

// Many of our shredders still perform at peak level after 25–30 years – a testament not only to their robustness but also to our high-quality service.

**Michael Stampe**  
Head of Service Operation,  
M&J Recycling

## Our support doesn't end after delivery

To keep your production performing at its best, we continuously develop solutions that will optimise your shredder – new as old:

### Performance upgrades

myM&J Enhanced is a software upgrade for your hydraulic pre-shredder that will boost your throughput and reduce operational costs.

### Remote monitoring

myM&J Performance is a digital monitor for your shredder, delivering key insights into its condition, performance, and maintenance needs.

### Timely maintenance is essential for optimal, cost-efficient production.

That's why we offer service maintenance agreements for all our shredders, delivered either by us or one of our trusted partners. With proactive, ongoing maintenance, your shredder will run at peak performance—and stay reliable for the next 20, 25, even 30 years.

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