


The M&J F-series

sets new standards for the production of alternative fuels like RDF and SRF



Hydraulic drive
or E-drive - the choice
is yours. Performance
and capacity
are alike.

The M&J F-series is a family of unusually strong fine-shredders that give you low operating costs and reliable production

The **M&J F140**, **M&J F210** and **M&J F320** are designed to deliver a stable, high quality output of **RDF/SRF**.

Choose between a hydraulic drive or an E-drive – an intelligent electric solution based on market-proven technology. The E-drive gives you the same high output as always, with less energy consumption and less maintenance.

The world's most important agenda

At a time when the global agenda is all about the environment, it is still the case that 37% of the world's waste ends up as landfill and 33% is dumped in nature in large, depressing piles of rubbish. It is totally unsustainable and unfortunate – especially for the environment and for the people who must live with the piles of rubbish in their backyards. The good news is that there is an alternative. An alternative that can eliminate the waste problem in an effective, eco-friendly way once and for all, and even limit our fossil fuel emissions.

RDF (Refuse Derived Fuel) and SRF (Solid Recovered Fuel) are methods used to turn general waste into a fuel that can be used in Waste to Energy facilities to generate heat and power and in cement plant as replacement fuel. In other words, it creates value out of all the residual waste that we still cannot recycle, and it has already proved its value at many thousands of facilities around the world. And it's also good business to the users of the RDF material.

Just a single tonne of RDF will reduce CO2 emissions by around 700 kg if it replaces coal-based energy production. These are huge environmental benefits we are talking about.





RDF vs SRF

Let's start by looking at the difference between the two fuel types. They serve the same purpose – that is, to convert residual waste into energy – but they have different aims.

RDF

is shredded and used for electricity and heating.

RDF can be used in many industries, but it is mainly used in WtE facilities, where it is converted through combustion into energy resources in the form of electricity, heating, cooling and fuels. It is clean production with an impressively high efficiency of up to 95% and ultra-low dioxin emission levels. Using RDF instead of fossil fuels achieves enormous benefits for the environment.

The energy is extracted from the waste as opposed to just accumulating and damaging our ecosystem. It also prevents pollution from fossil fuels such as coal and gas, which are still used in many facilities.

SRF

has a higher calorific value and meets specific requirements. SRF is primarily used in cement kilns, where it substitutes coal and oil, resulting in lower CO₂ emissions.

The energy is extracted from the waste as opposed to just accumulating and damaging our ecosystem. It also prevents pollution from fossil fuels such as coal and gas, which are still used in many facilities.

M&J F-series

Created to perform
year after year
after year ...

Avoid costly
downtime

M&J F-series gives
you smooth and
problem-free
operations

M&J
F140

Hydraulic



M&J
F320

Hydraulic



M&J
F210

Hydraulic



M&J
F320

E-drive



Capacity
up to

28
tonnes/h



PERFORMANCE
100% raw power to get the job done

Looking for the most superior fine-shredder on the market? The M&J F-series can meet all your needs for production of alternative fuels like RDF/SRF across all capacity requirements.

- Leading cutting technology and cleverly designed rotor ensure highly efficient shredding of all qualified material
- With just a few button pushes, the intelligent pusher system can be programmed for various types of qualified material to optimize your production capacity



SERVICING
Easy service thanks to intelligent design

Downtime costs money and frustrations. With the M&J F-series of fine-shredders the technicians can get production back up and running in no time.

- Fast delivery and replacement of standard spare and parts
- Specially trained local service technicians are ready to help whenever you need them
- Easy maintenance and quick servicing ensure that downtime is kept to an absolute minimum



OUTPUT QUALITY
Leaves everything the size of small coins

The M&J F-series delivers output quality in a class of its own. Our shredders can go down to 25 mm, making them ideal for alternative fuel production such as RDF and SRF.

- Homogeneous output in the desired size ensures a consistent high-quality end product
- Advanced technology leaves no, or a very limited amount of, fine particles
- Minimal heat generation and thus less risk of plastic melting and causing downtime

M&J F320
Electrical drive

Superior on all parameters



OPERATING EXPENSE

Get the same job done for less money

The M&J F320 E-drive is all about stability. The E-drive solution requires a minimum of service and takes longer to wear out. You get a reliable solution for many years to come, where you know the costs from the start.

- M&J F320 E-drive requires less service and maintenance
- You can save up to 35% in operational energy consumption compared to other leading suppliers in the marketplace
- You get a more efficient cutting technology
- The needed installed power can be as low as 300 kW

Save up to
35% energy

M&J F-series
Hydraulic drive

Sharper and stronger than ever



Easy to run,
no need for daily
adjustment



OPERATING EXPENSE

A clear winner – in the long run too

Low energy consumption, minimal servicing, and easy maintenance. The M&J F-series means reliable production year after year at minimum operating cost.

- Low installed power and no need for daily adjustment ensures you low operating expenses
- Ingenious design with a single goal in mind – to make routine maintenance simple and quick
- Minimal need for maintenance and adjustment of M&J Recycling knife system
- Easy access to spare parts ensures that the machine can be serviced quicker than ever

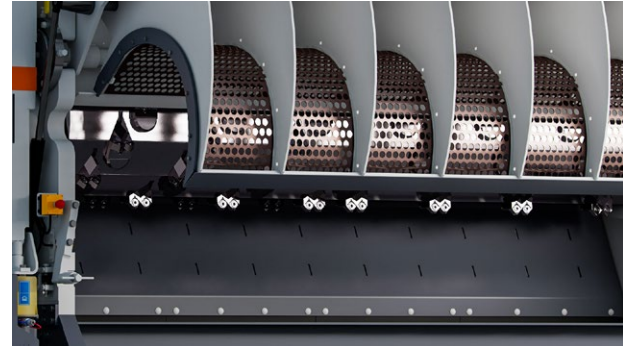
You also get ...

A better working environment

With an E-drive, the noise emission from the shredding operation is significantly lower. Furthermore, there is less need for ongoing maintenance as it takes longer to wear out.

Remote connection to the service centre

If a sensor on the key components detects a fault, it is immediately picked up by the service centre or your local partner, giving you higher uptime, and potentially enabling preventive maintenance.



We keep you running

Downtime costs money and frustration. With M&J Recycling's well-proven technology, quality, and global network of service specialists and local service partners available 24/7/365 – you can sleep well at night. Our technicians can get production back up and running in no time.



*With you
all the way*

FOR MORE INFORMATION,
CONTACT YOUR LOCAL M&J
REPRESENTATIVE, OR CONTACT
YOUR DEALER DIRECTLY.

[MJRECYCLING.COM](https://www.mjrecycling.com)



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