



P500 Bio Processor **with *Jem* Adaptive** **Logic**

Introducing the Bio-Processor

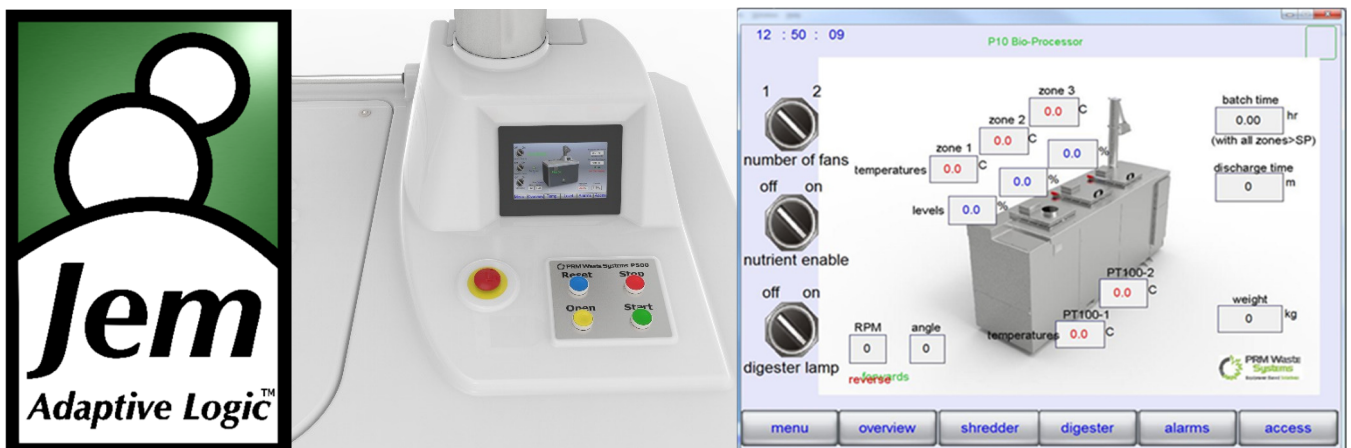
The P series machines are very simple to use. Within 24 hours, food waste will be turned into a stabilised, low-odour product that has reduced by up to 80% of the original volume. This residue can be used as fuel to supplement a suitable biomass unit or put to other uses such as soil enrichment. It can also be sent to AD

If you are creating 'free fuel', this is fed directly into your biomass boiler to create hot water and heating, reducing the cost of disposal to near zero.

The process is controlled by our exclusive Jem Adaptive Logic™ which intelligently maintains a unique blend of microbes specially optimised to break down your organic materials. This allows for very effective, robust and efficient operation.

HIGHLIGHTS

- Little to no odour
- Intelligent technology – taking operator error out of the equation
- Typical pay back 3-4 years
- Send residue to AD plants



JEM Adaptive Logic™

Technology exclusive to PRM.

This technology is intrinsic within the Bio-Processor. In the same way our own digestive system responds to what we have eaten, PRM Bio-Processors use information about their usage to adapt intelligently and not waste energy. Their responsiveness also mitigates operator error, making the machines more reliable.

Remote monitoring of machine condition and throughput on iPad, smart phone or desktop

Without JEM Adaptive Logic™ the Bio-Processors would be comparable to other organic waste processors on the market.

With JEM Adaptive Logic™ our machines can achieve outstanding levels of efficiency and reliability.

Benefits of the Bio-Processor

Easy to operate
Tidy and hygienic
No more foul-smelling bins to attract flies, wasps and vermin



A P500 installed on a medium/high organic waste producing site will produce cost savings and short pay back periods

Proudly designed and built in the UK, delivering outstanding performance and efficiency

Replacement and service parts readily available



Food waste residue after 24 hours. Reduction in this instance 80%

Technical Specifications: Bio-Processor Model P500



Operation:	Semi-continuous Accelerated Aerobic Digestion (3 loads per day – emptied each morning & restarted)
Process:	Thermophilic (65-75°C Nominal)
Dimensions:	Loading Height 1,100 mm Top Auger Height 2,000 mm Height 1200mm (Open Lid Clearance 2000mm) Width 955 mm Length 2459mm Hatch Aperture 480x 530mm
Weight:	350kg (dry), 750kg (loaded)
Max Input Rate:	500 ltrs /24Hr period
Min Output Rate:	100ltrs /24Hr period @ (DM90%) (for waste reduction only)
Max Fuel Output:	60kg day (DM88%) ≈ 8.5kW/h (at 85% boiler efficiency)
Power Supply:	3~ 415V 32A
Consumption:	1.2kW (average at capacity)
Primary Drive:	1.1kw
OPTIONS:	- Integral Shredder - Loading Hopper