



P1000 Bio Processor with *Jem* Adaptive Logic

For the onsite processing of food and other organic waste

Introducing the Bio-Processor

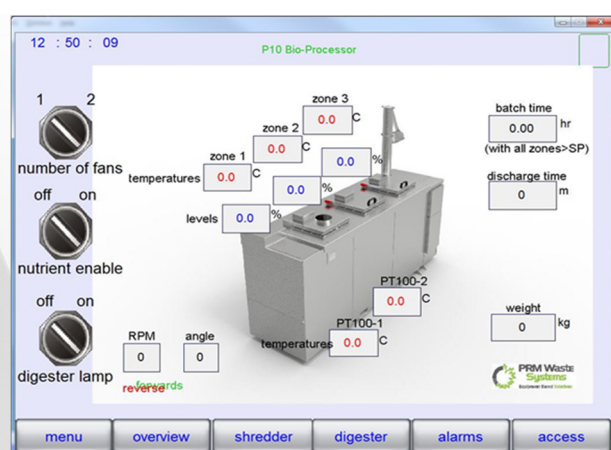
The P series machines are very simple to use. Within 24 hours, food waste will be turned into a stabilised, low-odour product that has reduced by up to 80% of the original volume. This residue can be used as fuel to supplement a suitable biomass unit or put to other uses such as soil enrichment. It can 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 P1000 installed on a
medium/high organic waste
producing site will produce cost
savings and short pay back
periods

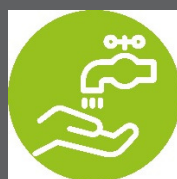
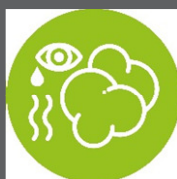
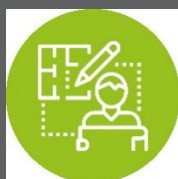
Proudly designed and built in
the UK, delivering outstanding
performance and efficiency

Replacement and service parts
readily available



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

Technical Specifications: Bio-Processor Model P1000



Operation:	Semi-continuous Accelerated Aerobic Digestion (3 loads per day – emptied each morning & restarted)
Process:	Thermophilic (65-75°C Nominal)
Dimensions:	Loading Height 1,394 mm Top Auger Height 2,363 mm Height 1394mm (Open Lid Clearance 2000mm) Width 1072 mm Length 3409mm Aperture 480x 530mm
Weight:	1500kg (dry), 2160kg (loaded)
Max Input Rate:	1000 ltrs /24Hr period
Min Output Rate:	200ltrs /24Hr period @ (DM90%) (for waste reduction only)
Max Fuel Output:	200ltrs 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

About us

PRM Waste Systems are actively involved in researching and developing innovative technology. Working alongside clients and suppliers to develop new solutions to the recycling industry.

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