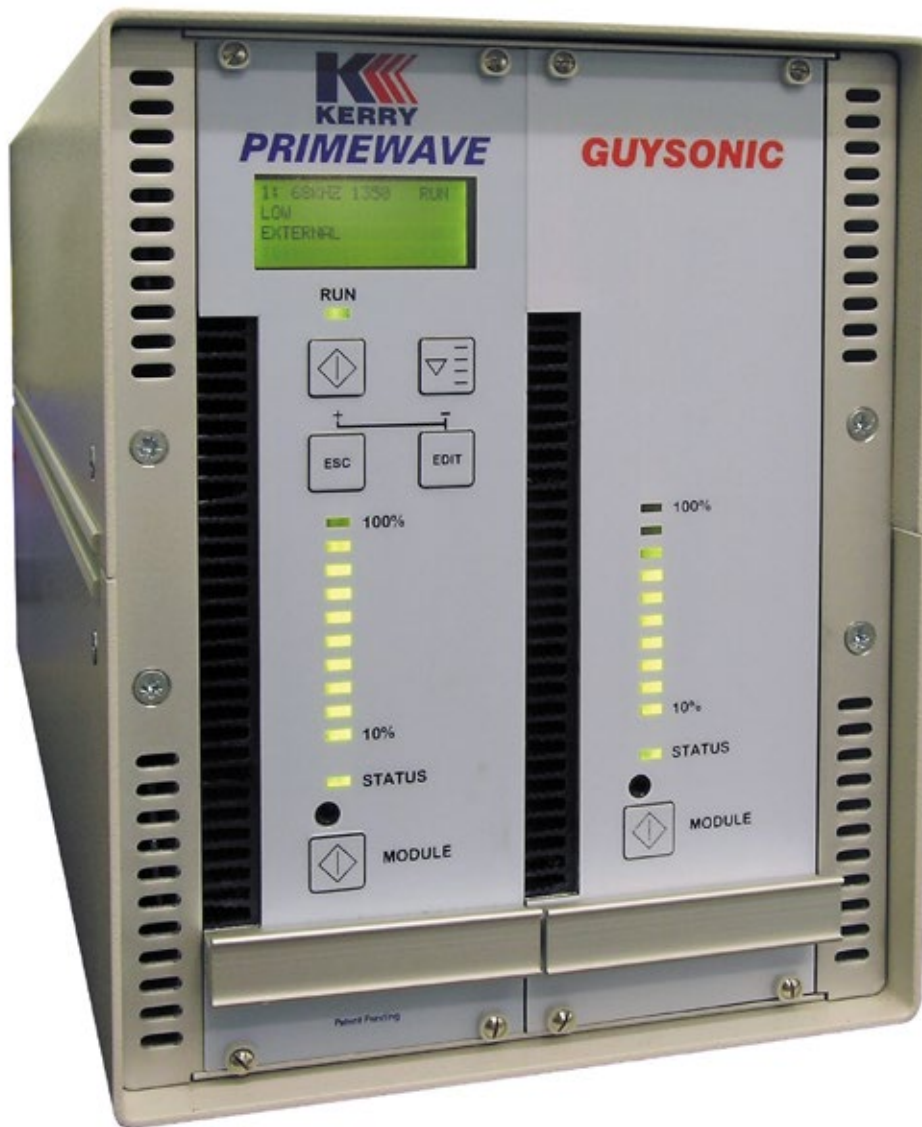




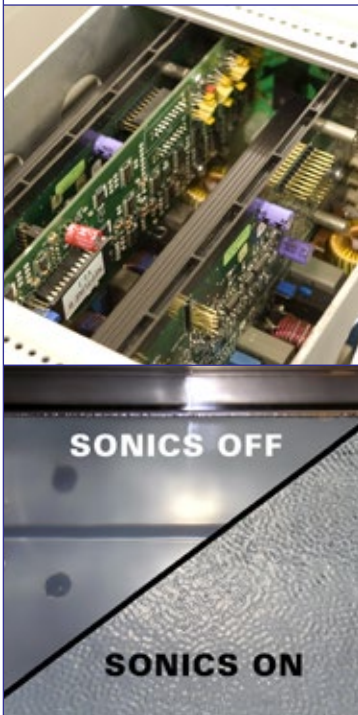
Primewave®
flexible Kerry ultrasonic generator

Ultrasonic Power Generator



Compact ultrasonic power solution

Primewave® ultrasonic modulation delivers improved performance



Guyson International would like to introduce their all new flexible Kerry ultrasonic Primewave® generator. With this exciting product Guyson manages to incorporate numerous productivity and performance improvements. These benefits will be available on all larger Guyson 'Kerry Ultrasonic' systems with integrated generators as well as in a host of OEM products such as generator and submersible transducer sets, suitable for retrofit into pre and post cleaning tanks or for incorporation into new process lines.

The new Primewave generator has been designed for each of the two boards to produce up to 1000 watts of power when running at full power. They will deliver a real 1000 Watts output and not simply a nominal peak figure. For larger ultrasonic tank systems this equates to fewer generators being required and real savings to be made.

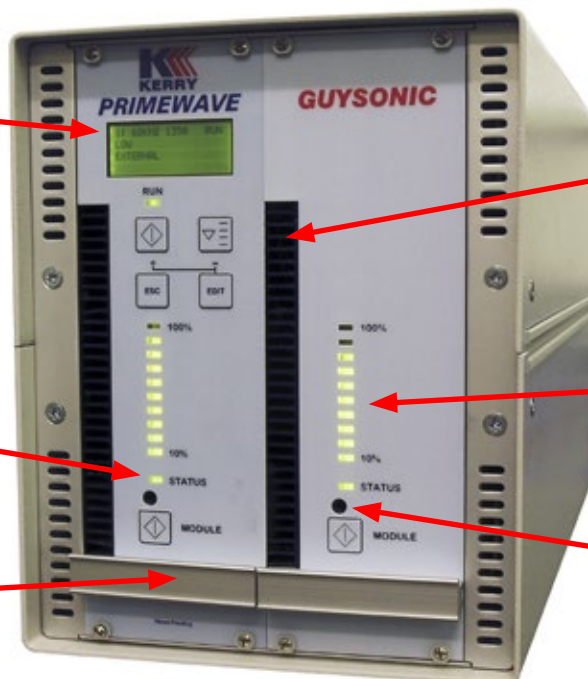
The new Primewave generator is proven to deliver a very robust cavitation even with cooler tanks and non-degassed solutions and proves far less susceptible to 'stalling' when baskets of components are loaded into the solution.

- Up to 2kW power output from a single compact enclosure measuring 464mm Length x 186mm Width x 231mm High

Primewave LCD digital controller

Single multi-coloured status indicator

Quick replaceable generator module



Front cooling units enables units to be placed side by side or stacked

Easy to read bargraph power display

Front panel analyser socket

Highly configurable modular system

Primewaving produces a more homogenous cleaning action

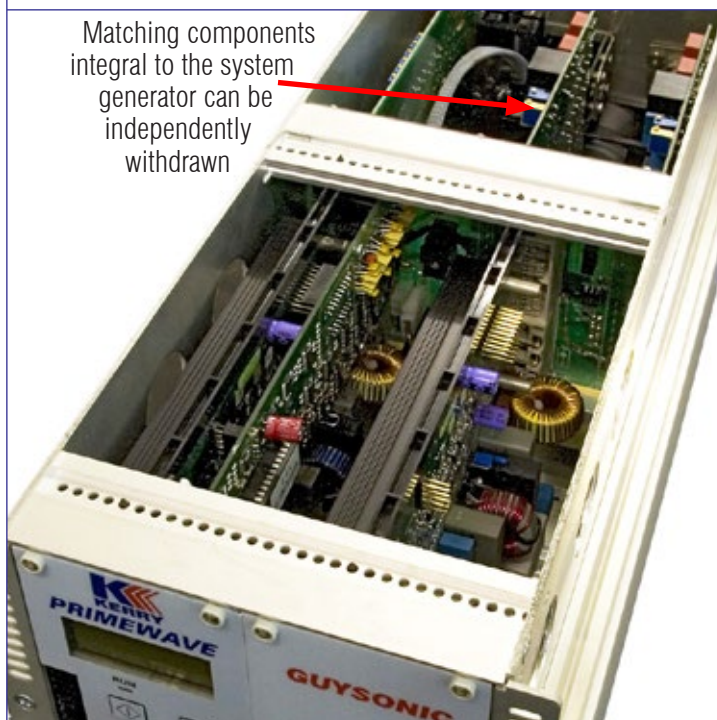
Primewave* with its exclusive Primewaving technology has proven in foil tests to deliver high quality, speedy cleaning. It does this partly by increasing the effective width and quantity of the pressure wave bands, so reducing dead zones and hot spots in the tank solutions and producing a more homogenous cleaning action across the entire tank.

Primewave can also be used to power the two separate stages of a two stage cleaning machine, like the Kerry Microsolve, at different frequencies. Thus stage one could run 36kHz and stage two 66kHz for final cleaning or rinsing.

The new system also features separate matching board PCB components which are directly linked to the specific tank transducers so that new boards can be easily tuned and do not require tricky matching set-up procedures.

- **Delivers robust cavitation even in dense cleaning mediums - in most cases degassing time is reduced to zero**
- **Hot swappable generators reduce replacement time to minutes**

**Patent Pending No. 0803079.3*



Matching components integral to the system generator can be independently withdrawn



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Guyson International



Guyson International Limited is the largest independent manufacturer of blast finishing, spray washing and ultrasonic cleaning equipment in Europe and supplies a worldwide customer base. Guyson offer automated handling solutions, where suitable, including both robot load & unload and also pick & place options.

Comprehensive ranges of automatic and manual blast cabinet systems are available to suit all production situations. Specialist applications include surface treatment of medical implants, shot peening of turbine blades and surface preparation of components such as cutting tools, to improve coating adhesion, prior to PVD coating.

Ultrasonic equipment includes bench top baths for laboratory, medical and light industrial use and ultrasonic cleaning tanks for industrial use. Microsolve systems for precision cleaning in wide range of sectors including electronics, optics, aerospace and defence, as well as multi-stage aqueous ultrasonic systems for specialised cleaning of components such as medical implants, hard disk drives, diamonds, optics etc.

Also available is a range of aqueous spray wash equipment including rotary basket washers, conveyorised tunnel washers and a compact high impact hot aqueous spray washer designed for the workshop. Full product and application information for all equipment is available on the Guyson website.

