

Telsonic's HandyStar Energy

Flexible ultrasonic technology for prototypes and production

PLASTIC WELDING

METAL WELDING

CUTTING

CLEANING

SIEVING



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The benefits that ultrasonic technology brings to a broad spectrum of joining and cutting applications, is leading many manufacturers to transition from other methods to the ultrasonic process.

In many cases Telsonic's ultrasonic technology is integrated as part of a comprehensive manufacturing system. However, there are other instances where perhaps production volumes do not require an automated solution, or where prototype or development work is being undertaken. The solution in these circumstances is the compact, yet powerful, HandyStar Energy system, which can be used for a variety of applications.

Equally suited for use within a manual workstation or as an entry-level device, the HandyStar is a great introduction to the ultrasonic process. Typical applications for this lightweight hand-held system include spot welding, inserting, riveting and cutting.

The MAG ultrasonic generator, integrated at the heart of the HandyStar Energy unit, is designed for maximum process stability and maximum flexibility. Thanks to the comprehensive range of configuration options, the HandyStar Energy is capable of being used on even the most sophisticated of applications, providing a reliable, cost effective and high quality solution. Functional design was a key part of the development process of the MAG generator, resulting in clearly arranged LED displays which indicate at a glance, the status of the device. The capability



01 The handle can be added to the handpiece if the ergonomics of the application requires it (option)

to precisely fine-tune the amplitude between 10% and 100% ensures flexible application solutions and optimum results each time.

Other features, in addition to the standard manual mode, include time only and energy. Also, the integrated compressed air cooling for the converter is switched on automatically, if required, minimising consumption and keeping operating costs low. The standard handheld device can be further enhanced through the addition of an alternative hand grip, if required by the ergonomics of the application.

By David Norton, Managing Director, Telsonic UK Limited and Tom Pettit, Genesis Sales & Marketing Limited



02 The device can be stored in the practical storage retainer (option)