OPWELD - PPS
ULTRASONIC POWER GENERATOR
Packaging Pressing System

http://www.optel.eu

Ultrasonic power generator **OPWELD-PPS** together with appropriate ultrasound probe create the ideal tool for ultrasonic support of compression and homogenization during production process, e.g. by candle production.;

Digital, precise control of the generated frequency, finding and control the resonance, continuously variable power control from 0 to 100% allow to choose the welding process parameters to the welding be done with high efficiency.
Standard work frequencies: 20, 25, 30, 40 to 80kHz.

User-friendly interface and a 5-inch touch screen display simplify the work with the generator.





Features

- system safe power up sequence;
- transformer output;
- Plug and Play configuration probe ID;
- Ultrasonic overload protection;
- matrix touchscreen LCD 5" with intuitive menu structure for quick easy programming;
- output voltage regulated in range from 1% to 100% with step 1%;
- four Temperature Sensors PT100;
- dimensions: 233x121x350mm;
- serial configuration port: RS232;
- opportunity to work with specialized software package *), running on the Windows 95/98/ME/2000/XP/VISTA/7.0 environment;
- weight: 8,2 kg;
- power supply: 230 VAC /50Hz.

Technical Data

Frequency range:	10kHz do 80kHz*)
Resolution of frequency setting:	1Hz
Max. Output power:	1000W*)
Max. Output Voltage:	$500V_{SK}$
Shape of output voltage:	SIN (h max. < 10%)
Max. load current:	6 A_{SK}
Load impedance:	50-150Ω*) (minimum)
Voltage accuracy:	0.1%
Current accuracy:	0.1%
Phase accuracy:	±2° (in range of +90/-90°)

*) *available up to ordered configuration*

Przedsiębiorstwo Budowy Produkcyjnej **OPTEL** Sp. z o.o. ul. Horbowskiego 30 PL-52-429 Wrocław
phone: +48 71 329 68 53 fax.: +48 71 329 68 52 e-mail: optel@optel.pl http://www.optel.pl