

# NEXT LITE DESK



## THE GENERATOR

This generator is compact, extremely handy and light.

Our patented multi-frequency technology makes it incredibly versatile and it can be used with stacks of different frequencies, 30, 35 and 40 kHz.

It has been created to be used in all sectors of application, with SONIC ITALIA's manual tools and on semi-automatic and fully automated systems.

Thanks to the software we've designed and developed, the NEXT LITE DESK can be used as a PLC and allows live control of up to 8 parameters.

The front screen and the directional keys allow the change of all parameters in an intuitive and fast way.

## TECHNICAL FEATURES

- Frequencies: 40 35 and 30 kHz
- Max power: 1200 W
- Autotuning and automatic frequency scanning
- Working mode: Free, Timer, Energy, Joule, Cooling, Test
- Communication interface: display, Modbus RS485 RTU
- Live streaming of up to 8 parameters
- Graphic display 128 x 64 pixel
- Tact switch arrow keys and user friendly menu
- Emi filter
- Active PFC control circuit
- Input voltage: 230/110 V – 50/60 Hz
- Connectors: Lemo, 7-pin
- Working amplitude value: 50 to 100 %
- Editable value of Voltage to piezo ceramics
- Interface connectors: I/O DB25 + cable
- IEC connector with bipolar switch and fuse
- USB for quick update
- Status indicators with 3 leds on front panel
- Carrying handle (optional)
- Dimensions: 260 x 80 x 223 mm
- Weight: 5 Kg



## STPN40 PNEUMATIC STRUCTURE

The pneumatic structure STPN40 is ideal to process synthetic fabrics. This special system is composed of an aluminium frame to be easily integrated into pre-existing machines.

It is equipped with a 40 kHz aluminium converter, a steel sonotrode, a counter-wheel positioned on a pneumatic cylinder and a cooling system.

This cutting and welding structure can be mounted on looms/stenters etc. and offers the possibility of combining cutting and welding operations in a single process.

STPN40 is used for continuous selvedge cutting of synthetic fabrics.

### THE KIT INCLUDES:

- High performance 40 kHz aluminium converter
- 40 kHz hardened steel sonotrode.
- Available models: ogiva, half moon, machete.
- Hardened steel cutting and welding counter wheel
- Available cutting angles: 60° 70° 100° 110° 120° 130° 140° 150°
- Anti-rotation cylinder – strike 20 mm
- Aluminium frame dimensions: 342 x 70 x 110 mm
- Weight: 2,5 Kg



## CONTINUOUS CUTTING AND WELDING FRAME STT40

This aluminium frame has been designed for quick and easy installation on looms, stenters and calenders, for cutting and welding of the selvedge.

depending on the type of fabric to be processed and the result to be obtained, up to 8 counter-wheels with different angles can be installed.

The structure has an integrated cooling system, to avoid overheating of the sonotrode that is in contact with the fabrics.

the system can be implemented in pre-existing lines and for this reason this product is available for both vertical and horizontal cutting.

### THE KIT INCLUDES:

- High performance 40 kHz aluminium converter
- 40 kHz hardened steel sonotrode. Available models: ogiva, half moon, machete.
- Hardened steel cutting and welding counter wheel
- Available cutting angles: 60° 70° 100° 110° 120° 130° 140° 150°
- Aluminium frame dimensions: 256 x 93 x 146 mm
- Weight: 3 Kg



## PLASTIC HAND TOOL

Our plastic hand tool is light and versatile.

Designed in this way to give absolute freedom of movement during the processes of cutting synthetic fabrics, riveting or spot welding.

It is available in 40, 35 and 30 kHz frequencies and can be used for cutting and welding operations as well as for welding of plastic materials, according to the sonotrode in use.

### THE KIT INCLUDES:

- Ergonomic plastic hand tool
- Available converters: in aluminium or titanium, 40 35 and 40 kHz
- Cable up to 10 m long
- Dimensions: 164 mm long x 52 mm of Ø
- Weight: 400 gr



## LINEAR CUTTING STRUCTURE STL40

Ideal for longitudinal manual cutting operations.

The design has been studied to facilitate its installation on cutting tables, thanks to the two sliding wheels and the steel plate with special surface hardening treatment.

### THE KIT INCLUDES:

- Anodized aluminium frame
- 40 kHz high performance aluminium converter
- Available hardened steel sonotrodes: machete, ogiva
- Dimensions: 298 x 93 x 236 mm
- Weight: 3 Kg



## PLASTIC PISTOL HAND TOOL

The newly developed plastic hand tool is light, handy, easy to carry and use.

SONIC ITALIA's range of frequencies includes 40, 35 and 30 kHz.

The versatility in terms of weight and frequencies and its extreme reliability allow it to be used in many sectors, from the simplest ones such as the welding of manure belts, to riveting and welding of sound-absorbing materials in the automotive sector.

### THE KIT INCLUDES:

- Plastic hand tool
- Cable up to 10 m long
- Available converters: in aluminium and titanium 40 35 and 30 kHz
- Dimensions: 140 x 175 mm x 64 mm of Ø
- Weight: 700 gr



## AVAILABLE CONVERTERS

SONIC ITALIA provides up to 7 types of converters to be integrated on automatic lines and special machines, which can be used in continuous and step by step processes.

- Available frequencies : 40 – 35 – 40 kHz
- Materials : Aluminium, Titanium

