



Lab Ultrasonic Processors for axial probes

 **SinapTec**
ULTRASONIC TECHNOLOGY

NexTgen Lab120 Ultrasonic Processor for small volume applications

Ultrasonic processor NexTgen Lab120:

1. Ultrasonic power supply from the NexTgen range delivering up to 120W_{rms} with the reliable probe:

Main features:

- Control mode : auto-tuned frequency mode,
- Start/Stop with dry contact or a footswitch,
- LabTablet interface for easy setting
- Ethernet connection for PC monitoring and control,
- Dimensions: (LxWxH) 330x145x148mm
- Weight : 3,5kg
- Power 220/240V, 50/60Hz

2. Ultrasonic 35kHz converter:

- Diameter: 40mm
- Length : 85mm
- Converter cable: 1,8m length



3. Standard 35kHz ultrasonic probe:

- Tip diameter 3mm solid probe for treatment up to 50ml,

4. Controlling and monitoring the power supply with the "NexTgen Advanced" software (optional):

- Acquisition of information on PC via Ethernet connection, recovery of ultrasound and temperature data for post-processing on Excel with the "NexTgen Advanced» PC software,
- Various setting for pulse, time, modulation and temperature control.



NexTgen Lab500 Ultrasonic Processor for small and medium volume applications

Ultrasonic processor NexTgen Lab 500:

1. Ultrasonic power supply from the NexTgen range delivering up to 500W_{rms} with the reliable probe:

Main features:

- Control mode : auto-tuned frequency mode,
- Start/Stop with pushbutton or a footswitch,
- LabTablet interface for easy setting
- Ethernet connection for PC monitoring and control,
- Dimensions: (LxWxH) 390x145x148mm
- Weight : 4,3kg
- Power 220/240V, 50/60Hz



2. Ultrasonic 20kHz converter:

- Diameter: 55mm
- Length : 145mm
- Converter cable: 1,8m length
- Air Cooling input/output.



3. Standard 20kHz ultrasonic probe:

- Tip diameter 13mm solid probe for treatment up to 250ml, Max displacement 140μm



4. With the option "NexTgen Advanced" software": Controlling and monitoring the process (optional)

- Acquisition of information on PC via Ethernet connection, recovery of ultrasound and temperature data for post-processing on Excel with the "NexTgen Advanced» PC software,
- Various setting for pulse, time, modulation and temperature control.

