# SiLabTec®

# Ultrasonic Lab1500



## TYPICAL APPLICATIONS

- Homogenisation
- Degassing
- Emulsification
- Reaction acceleration
- Bacterial destruction
- Sonochemistry
- Cell lysis
- Extraction...

## STANDARD PROBE

- Diameter: 40mm***
- Length: 250mm***
- Sample volume**: 1 – 10l
- Amplitude: up to 30µm
- Material: titanium*

## STANDARD BOOSTER

- Length: 143mm
- Amplification: 1:1.5
- Body materials: titanium
- Flange materials: stainless – steel*

## FEATURES

**Processor NexTgen Lab1500**

- Max. power: $1500W_{RMS}$
- Frequency: 20kHz
- Amplitude setting: 25% – 100%
- Control mode: auto-tuned frequency mode
- Dimensions (LxWxH): 390x145x148mm
- US Start/Stop by Labtablet, dry contact, footswitch or laptop

**20kHz Ultrasonic transducer**

- Diameter: 69mm
- Length: 154mm
- Air cooling input/output

**LabTablet for intuitive setting. NexTgen software, « Start » version**

* Other possible materials

** Indicative values

*** Other possible dimensions

# OPTIONS

**LabPremium software – traceability, temperature–related operation, worldwide remote assitance**
In addition to the functions of our « Start » software, full traceability of the processes is guaranteed by continuous registration of all data and the possibility of its exportation to Excel (data logger principle).
Our LabPremium software likewise enables to link the operation of the equipment to temperature conditions. For example, as soon as a certain sample temperature is reached, the operation stops or continues by cycles, according to your settings.
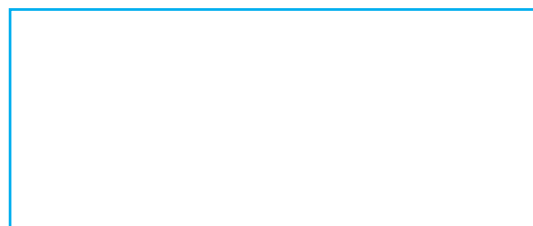The LabPremium is also particularly appreciated for its "quick diagnosis" functionality and the given possibility of worldwide remote assistance.



# ACCESSORIES

| | |
|---|---|
| **TEMPERATURE SENSOR** | Associated to the NexTgen LabPremium PC–software, it enables to temperature monitoring and temperature–related operation. |
| **SOUND DAMPING ENCLOSURE** | Size (HxWxD): approx. 800x400x400mm. |
| **LIFTING SUPPORT** | Permits to adjust the height in order to properly immerse the probe. |
| **FOOTSWITCH** | Activates the ultrasounds remotely. |

Your local distributor