

# Technical Data

## Masterwave BTR

Dimensions (W x D x H):	500 x 726 x 480 mm (19.7 x 28.5 x 18.9 inch)
Weight:	113 kg
Required space:	1200 x 730 mm (47.2 x 28.7 inch)
Power supply:	AC 230 V $\pm$ 10 % 50/60 Hz
Airborne noise emission (closed fume hood):	< 70 dB (A)
Power consumption:	3680 VA
Installed microwave power:	1700 W
Microwave power control:	Unpulsed mode over whole power range
Magnetron frequency:	2455 MHz
Housing material:	Stainless steel, aluminium alloy
Environmental conditions (EN 61010):	Indoor use only
Ambient temperature:	15 - 35 °C
Air humidity:	Min. relative humidity: 10 % Max. relative humidity: 80 % (non-condensing) - up to 31 °C decreasing linearly to 66 % at 35 °C
Pollution degree:	2
Overvoltage category:	II
Protection class:	I, according to VDE 0106
Protection degree:	IP 20, according to IEC 60529
ISM group:	2 HF-energy for the treatment of material is intentionally generated as electromagnetic radiation in the instrument.
Altitude:	0 - 2000 m
Touch screen user interface:	8.4" TFT-LCD screen, VGA 640 x 480 pixel
Pt100 sensor:	Measuring range: 30 - 250 °C Uncertainty: $\pm$ 5 °C
Pressure sensor:	Measuring range: 0 - 32 bar (0 - 464 psi) Uncertainty: $\pm$ 3 bar (43.5 psi)