

# Reflow Oven for Lead-Free Soldering

## LPKF ProtoFlow S/N2

- RoHS-compliant lead-free reflow soldering
- Simple menu navigation via LCD display and arrow keys
- Preprogrammed and customized reflow profiles, process logs
- Motorized drawer with fans for automatic cooling
- Optional additional temperature sensors
- Able to use protective nitrogen gas and regular air



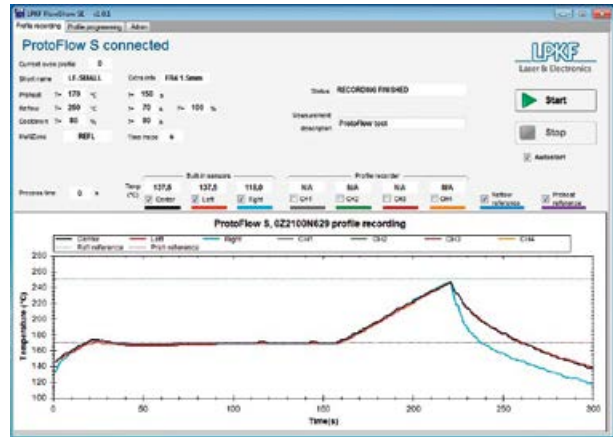
# Hot Air Soldering with Profile

The compact LPKF ProtoFlow S/N2 oven is ideal for RoHS-compliant lead-free reflow soldering. The large motorized drawer holds the assembled board and automatically opens to cool the board.

The “MultiZone” function divides the soldering process into up to five phases, each with a separate temperature profile. Three internal temperature sensors help ensure that the temperature distribution is uniform over the entire board.

The LPKF ProtoFlow is perfect for SMD reflow soldering or curing of through-hole plating pastes. The LPKF ProtoFlow S/N2 with controlled protective gas (nitrogen) function greatly reduces oxidation during the soldering process, thereby optimizing the solder joints.

The LPKF FlowShow software displays the temperature profile on a connected PC and controls individual temperature profiles.



USB connectivity and included system software LPKF ShowFlow allow the LPKF ProtoFlow to be controlled via PC

	LPKF ProtoFlow S/N2
<b>Max. PCB size</b>	230 mm x 305 mm (9" x 12")
<b>Max. preheat temperature/time</b>	220 °C (428 °F), 999 s
<b>Max. reflow temperature/time</b>	320 °C (608 °F), 600 s
<b>Long thermal treatment: temperature/time</b>	220 °C (428 °F), 64 h
<b>Temperature stabilizing time</b>	<5 min
<b>PCB cooling</b>	Two fans, adjustable speed, mounted on base
<b>Power supply</b>	230 V, 50 - 60 Hz, single-phase, 3.2 kW
<b>Dimensions (W x H x D)</b>	647 mm x 315 mm x 450 mm (25.5" x 12.4" x 17.7")
<b>Weight</b>	22 kg (48.5 lbs)
<b>Operating conditions</b>	Temperature: 15 - 30 °C (59 - 95 °F) Relative humidity: 30 - 80 %
<b>Nitrogen pressure</b>	2 - 8 bar (29 - 116 psi)
<b>Nitrogen flow rate</b>	0 - 730 l/h (0 - 26 cfm)
<b>Software requirements</b>	Windows 7 or higher, USB 2.0
<b>Options and accessories</b>	Temperature indicating device

