



National Centre for Physics

Detailed specification Document

A-246

S#	Title of the Project		A/U	QTY
	Item	Specification		
1.	Small Box Furnace	Maximum Temperature: 1700 °C (Continuous: ~1600 °C) Chamber Volume: ~19 Liters (8" × 8" × 12" approx.) Power Requirement: 208–240 V AC, ~5–6 kW Heating Element: MoSi ₂ (Molybdenum Disilicide) Temperature Control: PID programmable controller (multi-step ramp & dwell) Thermocouple: Type-B (high-temperature accuracy)	Nos	01
2.	Certified Convection Oven	Temperature range: 0 – 250 °C Chamber volume: 80 Liters Power consumption: 1500 W (110/220 VAC)	Nos	01

Note: All the components installed should be compatible with the system and each other.

Please tick the relevant box

Installation

Testing

Commissioning

Training

Warranty requirement Any other please specify