

Debinding and Sintering Furnace

MUT 5

Principle

Combined furnace for the selective debinding and sintering of highly binder-containing components under partial pressure.

Manufacturer	MUT Jena
Furnace Type	horizontal recipient, water cooled
Heating System	molybdenum resistance heating
Useable Volume	diameter approx. 350 mm, depth approx. 600 mm
Useable Gases	nitrogen, argon, hydrogen
Useable Gas Flow	0 - 20 l/min each gas
Pressure Range	pre-vacuum, high vacuum, normal pressure with continuous gas flow, partial pressure 30 - 150 mbar with regulated gas flow
Pump Kit	pre-vacuum pump and diffusion pump
Temperature Range	up to 700 °C in debinding mode up to 1350 °C in sintering mode
Optional Equipment	Binder resistant vacuum pump heated exhaust system
