

INDUTHERM Automatic Sintering / Diffusion Bonding Machine SU 450



This advanced automatic sintering/diffusion bonding machine for the wedding band production offers excellent quality in multi-colored ring joining. The SU 450 is designed to be robust and easy to use. Its aluminum casting chamber and flask chamber are water cooled by high grade steel pipes. The SU450 is designed for continuous work.

The following functions/components are included:

- Easy handling by program panel
- 100 sintering programs
- Exact working of all set parameters
- Micro processor controls reduction of thickness permanently which is important to control whole process
- Printer for process documentation and for service purpose
- Material can be processed under vacuum (especially for manganese alloys) or protective gas
- Temperature control by N-type thermocouple (max. 1300°C)
- New induction generator 4.5 kW, (400 V, 3- phase) for fast heating cycles and exact temperature control.
- Graphite crucible with sintering tray
- Including an automatic bell lock
- Production capacity: 6-7 cycles an hour, up to 6 bonding operation each
- included floor base

Dimensions: 500 x 760 x 1450 (W*D*H) mm

Electrical connection: 400 V 16 A, 50 or 60 Hz

Weight: 85 kg

For additional information you can follow the web pages:

machine itself	v
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