

DIFFUSION WELDING SINTERING



Si-05 power diffusion

Seamless and brazing solder free multicolour wedding rings and other jewellery of platinum, gold, silver and stainless steel

Rings - Sheets - Powder - Grains - Mokume Gane

your advantage:

**quality improvement
seamless
free of porosity
ringsizes unproblematic to enlarge**

- fully automatized process sequence control
- short cycle time up to 30 wedding rings per hour
- various application programs
- several ring sizes can be sintered in one standard crucible
- simple to operate
- automatic temperature control
- automatic compressive force control
- adjustable pressure force
- automatic vacuum / protective gas control
- tempering of precious metals



Technical data:

type

temperature range:
heating:
performance:
application programs:
vacuum/protective gas control:
vacuum pump:
barcode-scanner:
mains (standard):
water consumption:
dimensions (wxdxh):
weight:

Si-05/1 power diffusion

300 - 1300°C
induktion / 4,5 kW
up to 30 rings / h
up to 99
present
integrated
option
400/ 50Hz / 16A
8 l /min (3 bar)
800x950x1900 mm
approx. 400 kg



FRISCH GmbH

Sankt-Hubertus-Straße 33 a D-75181 Pforzheim / Germany
Tel. +49 (0) 7231 / 788138 Fax + 49 (0) 7231 / 788139 e-mail: info@frisch-gmbh.de www.frisch-gmbh.de