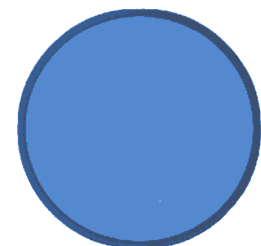
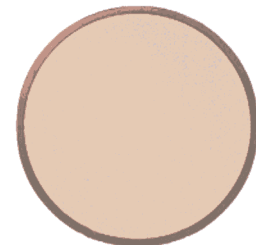
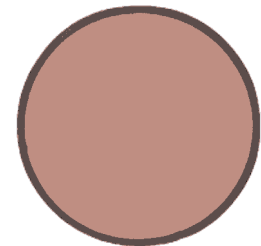
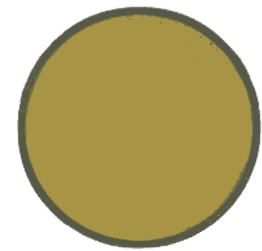


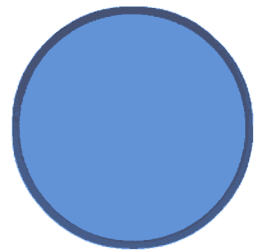
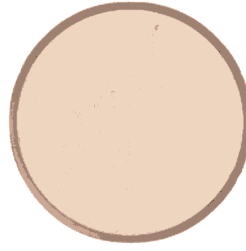
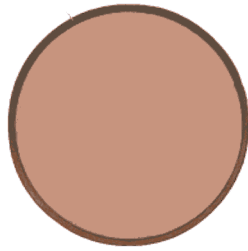
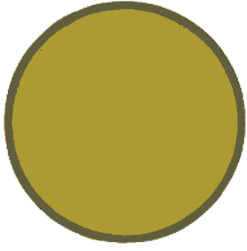
HAG-M-HF

high-frequency fusion machine

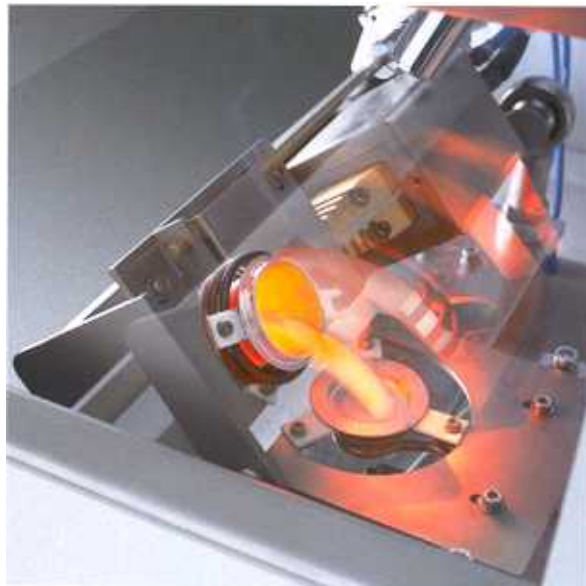
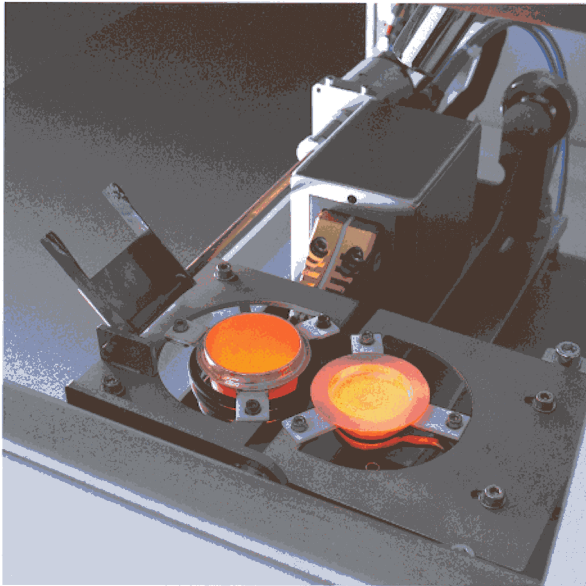


Machine for the manufacture
of melt fusion beads
for X-ray fluorescent analysis

HERZOG



Program-controlled
rocking movement



HAG-M-HF fusion machine

The table-top machine for the manufacture of melt fusion beads for X-ray fluorescent analysis.

An economic solution with a host of advantages:

- Inexpensive.
- Safe and easy to use.
- Can be set up flexibly and easily at any location.
- Simple supply of utilities via electrical, water and compressed air connections.

Simple program control

8 programs with individual parameter sets for the fusion process. Flexible setting of melting temperature sequence up to 1300 °C
Preselectable temperature for casting dish.
Melting and cooling times can be individually set.
Homogenization of the melt by a program-controlled rocking movement.

Simple sample feed and removal of fusion sample

Put sample material (preweighed and mixed with the fusion agent) in a crucible (platinum/gold). Insert crucible into machine. Insert casting dish (platinum/gold) in the retainer near the crucible.

Automatic sequence

Automatic heating of the crucible to the set temperature by means of the HF generator.
Rocking of the crucible during fusion to ensure an homogeneous and bubble-free melt.
Heating up the casting dish to the preselected temperature.
After the melting process and according to the preselected program – discharge into the casting dish (diameter 29 or 32 mm) or – remain in the crucible until solid.
Removable of glass beads after the set cooling time.

Necessary accessories

Fusion crucible

Crucible material: platinum-gold alloy.

Casting dish

Dish material: platinum-gold alloy (for bead diameters of 29 or 32 mm).

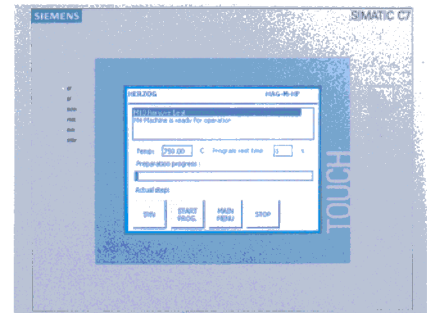
Optional accessories

Water cooling system

Temperature-controlled cooling of the cooling water in a closed circuit.

Continuous process control

Information on the status of the machine and the fusion progress by means of the display on the control desk.



HERZOG

Technical description of the HAG-M-HF

Model	HAG-M-HF
Colour	RAL 5007/7035
Labelling text	German
Operating manual	1 copy, German

Dimensions and weight of machine

Overall dimensions (L x W x H)	710 x 600 x 550 mm
Standing surface	0.43 m ²
Weight (incl. HF generator)	approx. 182 kg

Dimensions and weight incl. box packaging

Overall dimensions (L x W x H)	1100 x 950 x 1900 mm
Weight	approx. 350 kg

Electrical power supply and consumption

Single-phase a.c.	1 x 230 V x 50 Hz
Power consumption	approx. 4 KVA

Cable connection to machine

Position	rear, left
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Compressed air supply and consumption

Pressure range	6 - 10 bar
Throughflow	approx. 800 NI/min
Consumption	approx. 400 NI/Sample
Connecting nozzles	hose nozzle, 13 mm

Suction

Position of suction nozzle	top surface of machine
Diameter of suction nozzle	ND = 80 mm

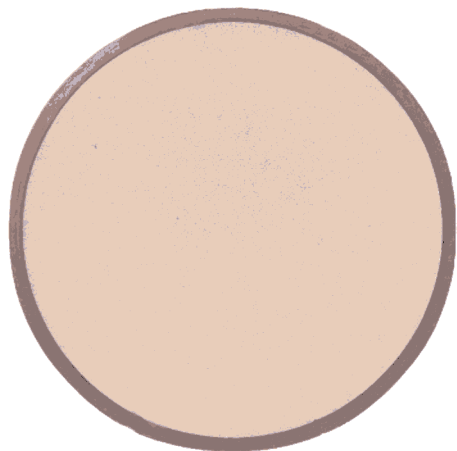
Sample input and output

Type of input	manual insertion of crucible
Type of output	manual removal of beads and crucible

Electrical

Controller	PLC, C7-635 Touch
Control voltage	24 V DC
Type of protection	IP40

The design and construction of the machine corresponds with the valid accident prevention and the VDE (German association of electronics engineers) regulations. We reserve the right to make technical changes.



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