

VC 680 V

Fully-Automatic Casting Machine

Indutherm's VC 680 V model builds upon the foundation of the VC 650 V. It comes standard with an included filling device, eliminating the need to open the melting chamber for refilling.

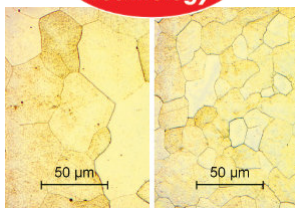
By maintaining a consistently high temperature within the melting chamber, unnecessary energy loss is prevented. Most notably, the absence of oxygen ingress means that the chamber does not require evacuation and refilling with inert gas.

Key Features & Benefits

- 100 Standard Casting Programs
- More consistent casting quality
- Improved process stability, less waste
- Optimized overlapping casting
- Up to 20 casting cycles per hour
- High energy efficiency
- Vibration Technology
- Minimized metal loss
- Metal replenishment without pressure loss



**Make Large,
Dense
High-Quality
Castings**



Create denser casts with Indutherm's Patented Vibration Technology!



NEW!



The **Automatic Feeder System** eliminates manual metal filling, eliminating internal heating loss



VC 680 V also comes equipped with an **Automatic Sealing Rod & Dual Temperature Measurement**

Machine Specifications

■ Standard Feature ○ Optional Feature – Standard Feature

Power	
Power max. / electrical connection	12 kW (3x400v)
Temperature max.	
Temperature max. indirect inductive heating HTC	1850° C
Capacity	
Crucible Volume	■ 245 ccm = 3.6 kg Au 18 ct / 2 kg Cu* ○ 386 ccm = 5.8 kg Au 18 ct / 3.3 kg Cu* ○ 700 ccm = 10.5 kg Au 18 ct / 6 kg Cu*
For use with flasks up to	■ 130 mm / 240 mm h ○ 160 mm / 400 mm h
Operation and Control	
Maximum pressure	3 bar
Automatic flask and chamber lift	■
Control system	by LCD-display, full text readout
Automatic bell lock	■
Dual temperature control	○
Turbo Pressure Function	■
Mold temperature measurement	■
Turbo Pressure PLUS system	■
Vibration technology	standard equipment Sweep Mode
Automatic mold and chamber lift	■
Automatic feeding system w/ autom. sealing rod	■
Automatic closing system	■
Programs	100
Flask temperature measurement	■
Temp. measurement by optical pyrometer	1700° C
Turbulence reduction software	■
Quality Assurance	
RS 232, Ethernet, USB interface, diagnostic system	■
Data printer	■
GSM-modem for remote service	■
InduthermCloud	■
iThermControl	■
Accessories	
Sintering / diffusion bonding kit	○
Granulation tank	○
Granulation tank with flake option	○
Vacuum pump	○
Water chiller	○
Also available as granulating unit	