



The advantages of our vibration technology at a glance:

- Higher and more consistent densities achieved with reduced porosity.
- Better material flow, better form filling, reduced risk of hot cracks.
- Up to 50% smaller grain size.
- Smaller dendrite formation.
- Consistently superior casting properties and less problems from later processing such as sizing of rings and setting of stones.

Standard Equipment:

- Pneumatic Bell Lock
- Automatic Flask & Chamber Lift
- Variable Vacuum in Flask Chamber
- RS 232, Diagnostic System

Program Control:

- LCD-display, full text readout

Results of our metallurgic analysis:

Reduced porosity, higher and more consistent densities achieved.

- Reduced post-processing work.
- Reduced reject rate.
- Cast densities closely match the density of the alloy used, minimizing differences between designs and casting cycles.

Better material flow, better form filling, reduced risk of hot cracks.

- Vibration provides a better material flow.
- More dense structures achieved.
- Reduced risk of air inclusions.
- Improved form filling.
- Reduced danger of 'hot cracks'

Up to 50% smaller grain size.

- Gold alloys solidify in a finer and more uniform structure.
- ~50 % smaller grain size in the analyzed alloy.

Smaller dendrite formation.

- On solidification, alloys will show a considerably smaller formation of dendritic structures on most alloys.
- Leading to better material flow with reduced risk of hot cracks and better casting stability.

Consistently superior casting quality.

The special "oxidation-reduced casting" system eliminates the danger of oxidation while the flask is cooling down. Tensile strength is up to 25% higher. Fewer problems from later processing such as sizing of rings and setting of stones.

Automatic inert gas or vacuum in the melting chamber to avoid undesired oxidization or the formation of inclusions during melting, particularly important when casting silver or red gold.

The **Turbo Pressure Function** optimizes the casting of very small and filigree objects. For the production of jewelry it guarantees perfect results when casting with stones. Turbo Pressure allows a precisely defined pressure to be achieved rapidly. For all program-controlled VC models, depending on the selected program the Turbo Pressure will start automatically exactly at the required time.

FULLY - AUTOMATIC VC VERSIONS



VC 450



VC 650V

The VC 480V
Our #1 Seller!



Call for pricing

	VC450 78-3300	VC480V 78-3400	VC650V 78-4000
Maximum Power / Electrical Connection	4.5KW 3x400V (1400° C)	8 KW 3x400V (1600° C)	12 KW 3x400V (1700° C)
Crucible Volume	170 ccm = 2.5kg Au 18 ct*	170 ccm = 2.5kg Au 18 ct*	245 ccm = 3.6 kg Au 18 ct* or 386 ccm = 5.8 kg Au 18 ct*
Maximum Flask Size	130 mm / 260 mm h	130 mm / 260 mm h	130 mm / 260 mm h or 160 mm / 400 mm h
Vibration Technology	N/A	Standard Equipment	Standard Equipment
Maximum Pressure	1.5 bar	1.5 bar	3 bar
Programs	20	100	100
Flask Temperature Measurement	N/A	N/A	Standard Equipment