

Romanoff KWS 5 Flask Investment Mixing Machine

High quality casting with minimum work

The KWS investment machine bench-type model is designed to mix 10 kg of investment compound under vacuum and to simultaneously fill 5 flasks.

High surface quality and contour sharpness on castings.

· It is now also possible to produce smaller quantities of castings with high surface quality and contour sharpness.

Pleasant and clean work through simple operation.

· Is simple to operate and ensures clean and pleasant working.
· The machine is equipped with a maintenance-free three-phase motor. There are two gears to set the speed for mixing and filling-in the investment material. This means that the correct rotational speed for the specific investment process can be selected at all times. Drive motor and mixing chamber are fixed to each other. This construction avoids malfunction of the machine.



Minimum maintenance and wear and tear

· All parts of the machine are made of stainless steel or of aluminium (Al). This results in minimum maintenance and wear and tear. The three-phase motor is maintenance-free. To protect the vacuum pump a filter-system has been installed which improves the life cycle of the pump substantially. The filling taps are made of a special alloy which is not affected by gypsum and water.



Technical Details:

Filtering system for the protection of the vacuum pump improves the life cycle of the pump substantially.

The taps are made of a special alloy which is not affected by gypsum and water.

Gaskets which are affected by the corrosiveness of the gypsum and are used daily have a life cycle of 2 - 3 years. Through loosening two screws they can be removed for maintenance or replacement (no dismantling).

Perfect protection against corrosion since all parts are made of aluminium (Al) or stainless steel.

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Processing



1. 5 flasks are placed in the mixer and the stirring unit is swivelled over them.



2. An adequate measured quantity of water is poured into the stirring container.



3. The weighed investment material is filled into the stirring container. The mixer is sealed with a plexiglass lid which allows surveillance of all procedures. Now the investment material is mixed with the water under vacuum. Through the opening of the filling taps the underneath placed flasks are filled while still under vacuum. This procedure and simultaneous vibration allows flasks of highest quality to be produced.



4. To clean the machine the mixer is swivelled over the drain bowl and then cleaned with a spray nozzle.

- for 5 flasks
- up to 10 kg investment powder
- also suitable for a smaller output capacity
- reliable serviceability

SPECIFICATIONS	DIMENSIONS IN MILLIMETERS
Max. diameter of flasks	140 mm
Max. height of flasks**	230 mm
Max. number of flasks	5
Flask container diameter	380 mm
Height of flask container	260 mm
Max. volume of investment material	10 kg
Stirring container diameter	280 mm
Height of stirring container	315 mm
Type of electric current: threephase *	400V ~ 50Hz 1,7 KW
Width x Depth x Height of the machine	1015 x 550 x 1355 mm
Net weight with vacuum pump	114 kg
Gross weight	186 kg



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