

Romanoff KWS 6 Flask Investment Mixing Machine



High quality casting with minimum work

With this KWS investment machine you can produce your castings in a very effective manner. High quality standard of your castings and low staff costs will guarantee a fast amortization of the machine.

High surface quality and contour sharpness of your castings is reached through the integrated sieve insert for the investment powder.

- Due to the insert sieve station, the investment powder doesn't come in contact with water. Small quantities of powder will be given to the water under vacuum. This way of processing needs less water for the same viscosity. The result is a much better quality of plaster. It's impossible that bubbles are formed on the surface.

- There is no other investment machine which allows for such a high standard of quality for your castings. Our highly satisfied customers are and have been confirming this to us during the past twenty-five years of our presence around the globe through air inclusions.

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 adjust the speed for mixing and filling-in the investment material. During one operation sequence 16 kg of investment compound can be mixed and 6 flasks can be filled.
- Drive motor and stirring element do not have to be separated while loading the investment compound. Thus malfunction during operation is avoided.

Minimum maintenance and wear and tear

- All parts of the machine are made of stainless steel or of aluminum (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).

Maintenance-free three-phase motor.

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

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Processing



1. 6 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. It is also possible to fill-in the investment compound into the flasks using 3 - 4 taps. 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. The stirring unit is hereby raised by 100 mm using a compressed-air cylinder.

for 6 flasks

- up to 16 kg investment powder
- sieve insert
- pneumatic lift, comfortable cleaning
- complete stainless steel casing
- also for high output capacity

SPECIFICATIONS	DIMENSIONS IN MILLIMETERS
Max. diameter of flasks	140 mm
Max. height of flasks**	270 mm
Max. number of flasks	6
Flask container diameter	430 mm
Height of flask container	300 mm
Max. volume of investment material	16 kg
Stirring container diameter	320 mm
Height of stirring container	575 mm
Type of electric current: 3-phase *	400V ~ 50Hz 1,7 KW
Width x Depth x Height of the machine	1140 x 640 x 1720 mm
Net weight with vacuum pump	203 kg
Gross weight	283 kg



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