

# Romanoff 3 Flask Investment Mixing Machine

## High quality casting with minimum work

The KWS investment machine Romanoff 3 Flask Investment Mixing Machine bench-type model is designed to mix 6 kg of investment compound under vacuum and to simultaneously fill 3 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 variable speed mixer guarantees 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. 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.



Also available for platinum investment compound.

## 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.** 3 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 3 flasks
- up to 6 kg investment powder
- also suitable for a smaller output capacity (designer studios)
- reliable serviceability

| SPECIFICATIONS                         | DIMENSIONS IN MILLIMETERS |
|--|---------------------------|
| Max. diameter of flasks                | 120-140 mm                |
| Max. height of flasks**                | 170 mm                    |
| Max. number of flasks                  | 3                         |
| Flask container diameter               | 290 mm                    |
| Height of flask container              | 200 mm                    |
| Max. volume of investment material     | 6 kg                      |
| Stirring container diameter            | 200 mm                    |
| Height of stirring container           | 315 mm                    |
| Type of electric current: threephase * | 400V ~ 50Hz 1,3 KW        |
| Width x Depth x Height of the machine  | 730 x 490 x 970mm         |
| Net weight with vacuum pump            | 72 kg                     |
| Gross weight                           | 120 kg                    |



**ROMANOFF**  
INTERNATIONAL SUPPLY CORPORATION

9 Deforest Street Amityville, NY 11701 USA  
websales@romanoff.com  
1-800-221-7448