

# Indutherm MC16 and MC20V Casting Kits

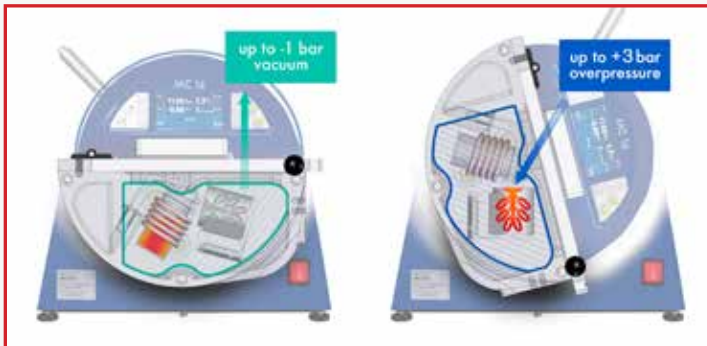
**MC 16V Kit - \$21,299**

SKU#74-925

**MC20V Kit - \$23,700**

SKU#74-927

The Indutherm MC Casting machines will melt and cast **brass, gold, silver, platinum, palladium and stainless steel** under vacuum with temperature control up to 2000°C. The entire casting process can be carried out simply, quickly, and safely, even without any prior casting experience. The crucibles are large enough to solve any standard casting task for any studio or atelier. The entire process is extremely fast, especially when combined with speed investment compounds. This allows for rapid response to new models, express orders, and last-minute ideas.



After pouring, the MC series automatically switches to overpressure to optimize the cast, designed specifically for delicate and filligree parts.



The MC Series is designed for jewelers making small castings and small to medium series production. Perfect for today's custom jeweler.



**Indutherm MC16**



**Indutherm MC20V**

|  |  |                             |
|--|--|-----------------------------|
| <b>Max Power</b>                           | 3.5KW  |                             |
| <b>Max Temperature</b>                     | 2000°C   |                             |
| <b>Vibration Technology</b>                | No   | Yes                         |
| <b>Temperature Measurement</b>             | 1300°C Standard - Optional 1600°C Thermocouple |                             |
| <b>Optical Pyrometer</b>                   | Not Applicable                                 | 2000°C Optical IR Pyrometer |
| <b>Casting Volume</b>                      | 100g Au / 110g Steel / 200g Pt                 |                             |
| <b>Maximum Flask Size</b>                  | Up to 30/50/65/80mm W x 80mm H                 |                             |
| <b>Automatic Vacuum &amp; Overpressure</b> | Standard                                       |                             |
| <b>Vacuum or Overpressure</b>              | -1 or +2 bar                                   | -1 or +3 bar                |
| <b>Washing by Inert Gas</b>                | Standard                                       |                             |
| <b>Power Supply</b>                        | 230V 1 Phase, 16 Amps                          |                             |
| <b>Dimensions and Weight</b>               | 17.5"H x 16" W - 60lbs                         |                             |

# Indutherm MC16 and MC20V Casting Kits

The **Romanoff Super Blue Automatic Furnace** heats to 2000°F- ideal for lost wax casting and annealing applications. The digital Sentry Xpress controller includes temperature holds and multiple ramps. The 3-key digital controller is in the base. The front control panel is tilted for easy operation of the digital controller. Easily fits two large casting flasks.



With **St. Louis Mixers**, you can automatically mix and pour your investment in an enclosed see through mixing chamber. A very important feature of these units is mixing and pouring investment under a controlled vacuum environment with vibration. This saves time by combining mixing, pouring and vacuuming operations. Since it is user friendly, anyone can be trained in just a few minutes.



|                                |                               |
|--------------------------------|-------------------------------|
| <b>Max Temperature</b>         | 2250°F                        |
| <b>Fire Chamber Size</b>       | 8.5"x8.75"x9" / 0.39 cubic ft |
| <b>Flask Capacity</b>          | Two 4"x8.5" Flasks            |
| <b>Power</b>                   | 14A, 110V, 1680W              |
| <b>Dimensions &amp; Weight</b> | 14" x 17.5" x 19.75", 80lbs   |

|                             |                    |
|-----------------------------|--------------------|
| <b>Powder Capacity</b>      | 1-KG               |
| <b>Flask Capacity</b>       | 100x120mm Flask    |
| <b>Flask Plate Diameter</b> | 100mm              |
| <b>Dimensions</b>           | 12"L x 14"W x 29"H |
| <b>Voltage</b>              | 220V - 1ph         |

## Products Included in the Casting Kit



| STARTER KIT    |   |
|----------------|---|
| 1: 76-047-I    | Stainless Steel Flask                     |
| 2: 78-2007     | Flask Saddle Adapter                      |
| 3: n/a         | Graphite Mold and Steel Alloy             |
| 4: n/a         | Platinum Crucible Zircon Paint            |
| 5: 005-013-M   | Blue Tubing - 8 OD x 5mm ID               |
| 6: 76-016-I    | Indutherm Cone Style Sprue Base 80mm / 3" |
| 7: 78-2005     | Stainless Steel Crucible - 110g           |
| 8: 78-2003     | Platinum Crucible - 220g                  |
| 9: 78-2004     | Gold Crucible - 100g                      |
| 10: 78-2010    | Gold and Yellow Platinum Lens             |
| 11: n/a        | Air Filter + 8mm Fittings                 |
| 12: 78-2006    | Quartz Crucible Protection Tube           |
| 13: 78-2002-PT | Thermocouple Protection Tube              |
| 14: 78-2002    | Thermocouple Type N - 1300°C              |
| 15: 78-2100-TG | 80mm Flask Tongs                          |



3 CFM Vacuum Pump



Hydro-Air Pressure Washer Gun



Investment Scale 0-10 lbs



Max Wax Speed Pen



10 Non-Asbestos Paper Bases - 4" OD x 3.25" ID



Stainless Steel Flask 80 x 80mm / 3" x 3" 12 Gauge



Indutherm Cone Style Sprue Base 80mm / 3"



Non-Asbestos Paper Roll 2.5" x 1/16" x 75'



Adjustable Sprue Base Holder



Platinum Wax Mushroom Base 5 Pack



3 Liter Measuring Pitcher



Vacuum Investment & Casting Machine 3 Way Valve



Wax Sprue Rods 6" x 3/8" Stiff 45 rods per lbs.



Ranson & Randolph Ultra Vest Investment - 40lbs



J-Break Platinum Investment Remover



J-Formula "606" Platinum Investment



Maun Sprue Cutter 6.5" / 165mm length