



This symbol indicates the item can not be sent by post or air freight.

Investment Powders



22.5kg

Gold Star Ω

Ref: 41-326-000

Gold Star **Omega** is the result of many years research into the raw materials and chemicals needed to produce investment powders and has been formulated using only the finest quality raw materials.

Gold Star Ω has significantly more Cristobalite than other quality brands of investment powders available to the jewellery caster. All of the elements have been drawn together to make Gold Star

Ω the world's leading investment at an amazingly low price. **Special Features Include**

* Raw materials produced and milled in-house to a unique particle size range. * Highest percentage of Cristobalite of all investment powders * Fantastic surface finish * Ease of cleaning and casting

To Make Ω easier to handle it is now available in 22.5Kg Sacks.



45kg

Goldstar Ultima

Ref: 41-324-000

This premium investment powder gives exceptional results with most casting alloys and has been specifically developed for burn-out at up to 850°C, allowing it to withstand the temperatures required for the successful casting of high melting point alloys. These include Palladium white gold and alloys with a melting temperature to 1300°C. Packed in 45Kg vacuum reduced, plastic lined fibreboard box.



45kg

Goldstar Gem Set Premium

Ref: 41-328-000

This investment powder has been specifically formulated for use with the setting of gems in the wax before casting. Gem Set provides a heat shield for stones up to 360°C. It produces high strength moulds and the surface finish is excellent. Packed in 45kgK plastic lined fibre drums.

Goldstar HT - Platinum

Ref: 41-315-000

Goldstar HT is a waterbased phosphate bonded investment designed for metals with a casting temperature greater than 1600°C such as Platinum and Steels. Being waterbased means there is no need to use harsh chemicals to remove the investment after casting. Supplied in 25Kg drum.

Goldstar PT - Platinum

Ref: 41-329-000

Hoben's premium 2 part Platinum investment supplied with binder concentrate. Provides a superior surface finish for high temperature alloys. Forms a gel after 3 hours and the necessary strength required is generated during burnout, providing a mould with the correct balance of strength and permeability for exceptional quality castings.

****Product Safety Warning**** This material contains crystalline silica and shows limited evidence of causing cancer in humans. IARC Class 2A. Most people in the jewellery industry are aware that their work-place contains many potentially dangerous materials and processes. The same level of protection for working with investment should be worn when quenching flasks. Quenching hot flasks produces steam which can carry cristobalite into your lungs. This mineral can scratch the lining of the lungs and cause irreversible damage with prolonged exposure. Please note - simple dust masks do not provide sufficient protection. Always wear a respirator (see page 45).

Debubbler

Ref: 41-156-000
946ml



Debubbler is a surface-tension reducing agent applied to wax patterns before investing. Permits close adaptation of investment to all surfaces of the wax pattern, minimizing the possibility of bubbles. Debubbler is recommended for use with the vibrator technique and **not** when investing with vacuum.

Investment Vibrator

Ref: 41-143-000

Shaker table: 140 x 160mm



Variable speed control.

For vibrating out air bubbles that may form in investment around wax models. This could cause surface defects in the casting. Weight: 2Kg

Rubber Mixing Bowl

Reference	Description
41-144-000	1.1 L
41-145-000	4.5 L

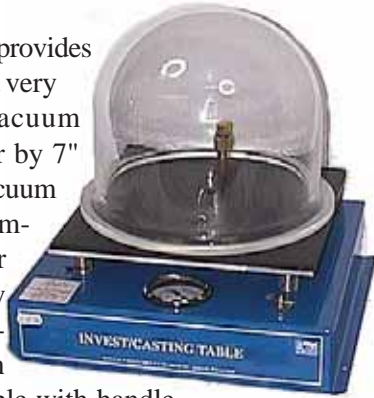


Made of black durable rubber, the walls are heavy enough to safely carry the mix, yet flexible enough to ensure controlled pouring. The bowls clean quickly and easily.

Vacuum Investing Table

Ref: 41-667-000

Compact, well designed, provides maximum flexibility at a very economical price. Vacuum flasks up to 5" diameter by 7" high. Gauge indicates vacuum in inches of mercury. Complete with a 9" diameter by 8" high bell jar, 10" by 10" rubber pad for investing, a 5½" round silicon pad for casting, a crucible with handle and ¼" tubing for connecting to vacuum source. Shipping weight: 9Kg.



Bell Jar

Ref: 41-276-000 The plastic bell jar is used on a vacuum table when vacuuming investment. The heavy rim is cut and ground to make a vacuum seal. 9" diameter 8" high



Investing Table Seal

Ref: 41-277-000

A replacement black rubber pad for the investment table 266mm square.



VacuFilm

Ref: 41-162-000

500ml(16oz)

VacuFilm is a surface-tension reducing agent that is applied to the wax pattern before investing. It was developed for investing under vacuum & will not bubble or sud during vacuum. It permits close adaptation of investment to all surfaces of wax pattern & minimizes bubbles.



Vacuum Pump 3cfm

Ref: 41-047-000

Ideal size for use with Vacuum Wax Injection Systems, small Vacuum Investing Tables and small table-top Vacuum Casting Machines. Larger 5cfm and 7cfm pumps are available to order.



Vacuum Investment Mixers

Maxivac mixers virtually eliminate air trapped during mixing and pouring while greatly improving the consistency and quality of the mixed investment slurry. The vacuum mixing environment reduces harmful dust levels compared to those generated in conventional air mixing conditions. Stainless steel has been used in the manufacture of both the mixing and pouring chambers. Specifically designed to accommodate either large or small volumes of materials. The exceptional build quality combines long life with low maintenance.

Maxivac 17 Ref: 41-666-000

Mixture capacity 17 litres
Perforated Flask Capacity
5 of 102 x 204mm high
Overall Size:
Width 630mm
Depth 700mm
Height 1500mm

Maxivac 35

Ref: 41-665-000

Overall Size:
Width 1040mm
Depth 730mm
Height 1590mm
Perforated Flask Capacity
10 of 102 x 220mm high

- Flask holding chamber is vacuum sealed.
- Turntable is made from high grade stainless steel
- Each flask is positioned beneath the pouring valve before releasing the investment.
- Stainless steel mixing and pouring chambers

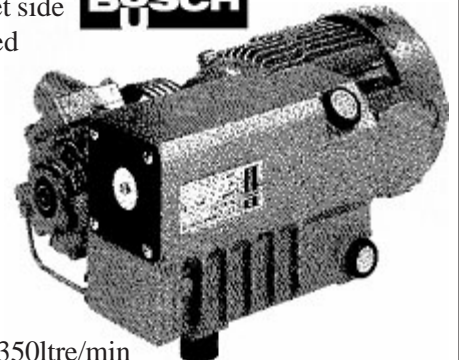


Special Order

Busch 21 Vacuum Pump

The Busch pump is a rotary vane vacuum pump that is available in three phase or single phase.

- ~ Oil recirculation lubricated
- ~ Non-return valve inlet side
- ~ Electric motor, flanged
- ~ Oil mist separator
- ~ Inlet screen
- ~ Air cooled



Special Order

Ref: 41-044-900

Nominal displacement
21 cubic metres / hour
(approximately 12cfm) 350litre/min
Ultimate Pressure 2.0 mbar (29.5" Hg)
Nominal motor rating 0.75kW (1 horsepower)
Voltage & Frequency 208-240/380-415V at 50Hz

Vacuum Pump Oil

Replacement bottle, 1 litre.

Vacuum Pumps generally require replacement oil after every 25-30 hours of use. Ref: 41-278-000





Bench Mark MLC 23 Furnace Ref: 41-823-000

The **Australian Made** Bench Mark Furnace has been specially designed and manufactured for **AJS** (single stage)

Insulation: Thermal Ceramics K23 hot face insulating bricks on walls, floor and roof. Thermal Ceramics vacuum formed ceramic fibre board on door.

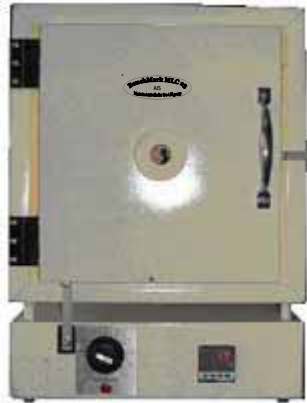
Elements: Kanthal spiral wound elements fitted onto grooved bricks on side walls.

Temperature controller

4 digit set point microprocessor based temperature controller with digital display of process and set values. Shows both the current temperature and the target temperature.



Optional 8-stage Programmable Controller is available.



Construction: Body folded from galvanized steel finished in powder coat. Standard swing door hinged on left hand side. **Features include;** Energy regulator - Safety switch and indicating light. Over and under design with controls mounted below chamber.

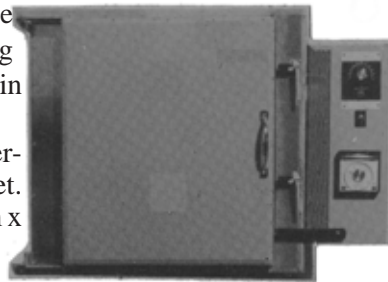
Specifications:

Internal size: 23 cm W x 23 cm D x 23 cm H
 External size: 42 cm W x 42 cm D x 54 cm H
 Weight: 28 kg
 Temperature range: 0°C – 1100°C
 Power: 1 phase 240 volt 10 amp 2.4 kW

Large Burnout Furnace Ref: 41-817-000

This Australian made furnace is designed with a commercial sized burnout chamber. The furnace provides ceramic embedded heating elements, variable heat control, built-in pyrometer & ample vent openings. Available with Stainless or Powder-coated Galvanised Steel outer cabinet. Inside dimensions: 330mm x 330mm x 330mm

Temperature range 0-1300°C Single phase power: 3.6Kw, 15 amp,



Special Order

Programmable Controller Ref: 41-810-000



Controller

Harco 8 stage controller is a microprocessor based digital display programmer that can be fitted to new or existing electric furnaces with minimal alteration to wiring. 8 programs each with 8 segments in its memory. Each segment can be set up to ramp or hold at your pre-determined time as long as these are within the parameters of the furnace. Time delay clock in the programmer can be set up to start the furnace at a pre-determined time, even over a weekend. For temperatures up to 1100°C

Neycraft Burnout Furnace

- Top quality construction with sturdy cabinet
- Four-wall heating for even temperature distribution
- Lightweight, one piece molded heating chamber
- Exterior temperature is always within safe limits
- Max. operating temperature is 2012°F (1100°C)
- Capable of heating to 550°C in 15 minutes
- Precision temperature indicator in °F & °C

Ref: 41-818-000

- Made in the U.S.A.
- Cost effective Fibre Furnace
- Top port for venting wax vapour and moisture.
- Internal chamber dimensions: 230mm x 230mm x 165mm high

Replacement Muffle Ref: 41-818-001



Goldstar Burnout Cycles

