

5/01 Vario vacuum casting system

From prototypes through to low volume production, Renishaw vacuum casting systems are proven solutions – high quality, repeatable, cost effective components in a wide range of materials.

System description

Featuring:

- Automatic mixing and pouring operation
- Programmable PLC control and automation to ensure consistent quality
- Touch-screen control panel
- Simple to navigate menu system
- Small system footprint – ideal for small workshops
- Vario-Vac™ for casting high viscosity resins
- Heated cup option

With the capability to cast:

- Polyurethane resins
- Wax for investment casting masters and low melt alloys – with the heated cup option
- High viscosity resins using the Vario-Vac™ differential pressure system



System specification

Dimensions without accessories (H × W × D)	1175 mm × 900 mm × 594 mm (46.2 in × 35.4 in × 23.3 in)
Maximum recommended mould size (H × W × D)	520 mm × 445 mm × 425 mm (20.4 in × 17.5 in × 16.7 in)
Casting capacity	0.8 L (48.8 cu/in)
Power supply	230 V, 50 Hz – other power supply configurations are available
Pump capacity	25 m ³ /hr (883 cu/ft/hr)
Ultimate vacuum	0.5 mbar (7.25 psi)
Gross machine weight	267 kg (589 lb)
Features	PLC control and automation – to ensure consistent casting Vario-Vac™ differential pressure system for casting high viscosity resins
Options	Heated cup – suitable for casting high quality wax masters and low melt alloy
Support	Maintenance packages Training programmes – tailored to suit your requirements Consumables – including PU resins and silicone rubbers



Nordica prototype ski boot, with boot upper and ankle support vacuum cast using a Renishaw vacuum casting system

Ankle support vacuum cast using Renishaw 8045 resin

- Semi-rigid
- Polypropylene
- Pigmentable

Boot upper vacuum cast using Renishaw SG-95 ABS type resin

- Rigid
- Similar to ABS
- Pigmentable
- Good optical properties
- Suitable for low temperature applications

Renishaw's engineering grade polyurethane resins include:

- FDA grade wet and dry food use
- PE/PE types
- Flexible 20 A to 90 A shore rubber
- UL94 V=0 FAR part 25 certified aerospace grade
- Cast nylon PA6

For worldwide contact details, visit www.renishaw.com/contact

