



SHOTBLAST ENGRAVING MASK SYSTEMS

PrecisionMasks . Oatfield House . Campbeltown . Argyll . PA28 6PH . Scotland

Tel: +44 (0) 1586 551818 . Fax: +44 (0) 1586 551855

[www.precisionmasks.com](http://www.precisionmasks.com)

## PRECISIONMASKS™ EQUIPMENT SPECIFICATION

### Exposure Unit

#### FEATURES:

- Automatic Cycle
- Digital Light Integrator
- Shuttered light source
- Single phase
- Fits through normal door

The PrecisionMask™ Self Contained Exposure Unit is a compact, cabinet type system for simultaneously exposing multiple resists.

Built to high standards essential for continuous use in a commercial environment, it has stove enamelled paintwork. A split construction design allows it to pass through standard doorways for ease of installation.

A clear toughened glass top plate is covered by a hinged, gas strut



assisted, vacuum chamber frame with a highly flexible neoprene blanket.

The intimate contact required for PrecisionMasks™ is provided by a high velocity suction pump, giving a remarkably short pull down time.

The main light source is a specially modified, dual wattage

(high working/low standby), metal halide lamp with an automatic shutter. A yellow fluorescent touch up light is also provided.

Reliable and consistent exposures are controlled by means of a digital light integrator control circuit and an automatic vacuum/exposure cycle.

#### SPECIFICATIONS:

Glass - 69 x 100cm (27" x 40")  
Width - 130cm (51")  
Height - 114cm (45")  
Depth - 94cm (37")  
Weight - 150kg (330lb)  
Voltage - 220/240 Volts 50/60Hz  
(alternative voltages can be supplied)  
Lamp - 400W/1600W  
Current - 13 amperes

### Drying Cabinet

#### FEATURES:

- Single Phase
- Electronic temp. control
- Integral Extraction System
- Removable trays
- Multi purpose capability

The PrecisionMask™ Drying Cabinet is a purpose built drying oven designed for fast and flexible production.

A generous, well insulated oven compartment is flanked by the mixing and circulation chambers.

Access is through two full width steel access doors. Eight punched metal trays are removable for remote filling, thus allowing the oven doors to remain closed for most of the cycle and so maintain temperature.



The unit is finished in stove enamelled paintwork and is fitted with adjustable feet.

In operation, a constant supply of fresh air is pulled into the cabinet over the elements. Heated to the required temperature, it is circulated through the unit. The used air is then led away through the unit's own

powered extraction system.

The operating temperature is quickly reached by the five 500W elements. This is then monitored and maintained by an adjustable temperature control with internal sensor.

The design is such that the oven works on a suction principle to keep fumes out of the work area.

#### SPECIFICATIONS:

Width - 140cm (55")  
Height - 91cm (36")  
Depth - 76cm (30")  
Weight - 181kg (398lbs)  
Voltage - 220/240 Volts 50/60Hz  
(alternative voltages can be supplied)  
Heater - 2.5kW  
Current - 13 amperes

PrecisionMasks Limited

Registered in England Number: 2804670 Registered Office: 21 Orchard Gardens, Teignmouth, Devon TQ14 8DG