

ETCHING MACHINES 3 TANKS : DEVELOPMENT / RINSE / ETCHING - GR SERIE



Two models which allows etching, cleaning and developing in a single unit with 3 tanks. A complete clear tank arrangement of 100% welded PVC. Rigid, stable and compact units supplied with two thermostatic controlled heating elements and two air bubble pumps. The Serie GR units allow you to develop prototypes or other to be etched materials in combination with a rinsing tank for DI-water.

- **3 tanks : development - etching - rinsing**
- **2 pumps and 2 heaters per machine**
- **1 emptying tap by tank**
- **Easy to use**

**WELDED
PLASTIC**

Model Reference

Working area
Dimensions (LxWxH)
Tank capacity
- Development
- Etching
- Rinsing
Net weight
Power
Electrical supply

GR 2030 DP 36

200 x 300 mm
500 x 220 x 320 mm
2,2 litres
2,2 litres
3 litres
5,5 Kg
140 Watts
230 V - 50/60 Hz

Model Reference

Working area
Dimensions (LxWxH)
Tank capacity
- Development
- Etching
- Rinsing
Net weight
Power
Electrical supply

GR 2434 DP 37

240 x 340 mm
555 x 220 x 355 mm
3 litres
3 litres
3 litres
6 Kg
140 Watts
230 V - 50/60 Hz

Options

PCB' holder with polyethylene clip (10 pcs)

DCP 47

SPRAY ETCHING MACHINES - GIROJET SERIE



The most economic systems for laboratories as a spray etching unit will give a 2 minute processing cycle when using Ferric Chloride at 30°C. We have been able to create a compact unit, which is able to realise top industrial etching quality for small volume batches. The GIROJET series offers you spray etching in a machine with ease of installation

One side model - GIROJET I Double sided model - GIROJET 2

- **Compact**
- **Economical**
- **Built-in Heater**
- **Fast : Etching time 2 minutes with Ferric Chloride at 30°C**

**WELDED
PLASTIC**

DP 12

Model Reference

Working area
Etching
Tank capacity
Dimensions (LxWxH)
Net weight
Electrical supply

Girojet I DP 8

200 x 300 mm
1 side
8 litres
235x500x460mm
8 Kg
230 V - 50/60 Hz

Model Reference

Working area
Etching
Tank capacity
Dimensions (LxWxH)
Net weight
Electrical supply

Girojet 2 DP9

200 x 300 mm
2 sides
8 litres
235x500x460mm
8 Kg
230 V - 50/60 Hz

Options

Multi PCB' holder GIROJET 1
Multi PCB' holder GIROJET 2

DP 2
DP 12

SPRAY ETCHING MACHINES WITH RINSING CHAMBER - GIROJET R SERIE



A vertical etching machine with a clean spray working process for continuous etching and rinsing. The spray nozzles, with flat spray, are arranged at both sides of the board. The boards are transported through the machine by non marking rotating wheels. The housing is fully constructed of non-corrosive welded PVC.

2 models are available :

- The Girojet R3 with a working area of 300 x 300 mm
- The Girojet R4 with a working area of 300 x 400 mm

- **Double sided models**
- **Rinsing tank**
- **Etching time with Ferric Chloride : 2 minutes at 30°C**
- **Built-in heater**

**WELDED
PLASTIC**

Model Reference

Working area
Tank capacity
Dimensions (LxWxH)
Net weight
Electrical supply

Girojet R3 DP 10

300 x 300 mm
15 litres
790 x 540 x 300mm
21 Kg
230 V - 50/60 Hz

Model Reference

Working area
Tank capacity
Dimensions (LxWxH)
Net weight
Electrical supply

Girojet R4 DP 11

300 x 400 mm
15 litres
790 x 540 x 300mm
21 Kg
230 V - 50/60 Hz

Options

Emptying pipe (1 m)
Water inlet (1 m)
Emptying etching chamber pipe (1 m)
Multi PCB' holder

DCP 150
DCP 152
DCP 152
DP 33