

**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



Model Reference	GR 2030 DP 36
Working area	200 x 300 mm
Dimensions (LxWxH)	500 x 220 x 320 mm
Tank capacity	
- Development	2,2 litres
- Etching	2,2 litres
- Rinsing	3 litres
Net weight	5,5 Kg
Power	140 Watts
Electrical supply	230 V – 50/60 Hz

Model Reference	GR 2434 DP 37
Working area	240 x 340 mm
Dimensions (LxWxH)	555 x 220 x 355 mm
Tank capacity	
- Development	3 litres
- Etching	3 litres
- Rinsing	3 litres
Net weight	6 Kg
Power	140 Watts
Electrical supply	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



Model Reference	Girojet I DP 8
Working area	200 x 300 mm
Etching	1 side
Tank capacity	8 litres
Dimensions (LxWxH)	235x500x460mm
Net weight	8 Kg
Electrical supply	230 V – 50/60 Hz

Model Reference	Girojet 2 DP9
Working area	200 x 300 mm
Etching	2 sides
Tank capacity	8 litres
Dimensions (LxWxH)	235x500x460mm
Net weight	8 Kg
Electrical supply	230 V – 50/60 Hz

Options	
Multi PCB' holder GIROJET 1	DP 2
Multi PCB' holder GIROJET 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



Model Reference	Girojet R3 DP 10
Working area	300 x 300 mm
Tank capacity	15 litres
Dimensions (LxWxH)	790 x 540 x 300mm
Net weight	21 Kg
Electrical supply	230 V – 50/60 Hz

Model Reference	Girojet R4 DP 11
Working area	300 x 400 mm
Tank capacity	15 litres
Dimensions (LxWxH)	790 x 540 x 300mm
Net weight	21 Kg
Electrical supply	230 V – 50/60 Hz

Options	
Emptying pipe (1 m)	DCP 150
Water inlet (1 m)	DCP 152
Emptying etching chamber pipe (1 m)	DCP 152
Multi PCB' holder	DP 33