



IC2/400 F300

The injection-centrifuge casting unit with two stations for metal casting in silicone rubber moulds



The metal injection casting unit **IC2/400 F300** guarantees a high level of automation and **excellent casting quality**.

It has an exclusive, patented system designed by Cabe that means the cast metal is **injected** into the silicone mould. A practical touch screen panel allows you to preset the parameters for the various work cycles.

IC2/400 F300 PLC

The **two station** table (fig.1) speeds up the production cycle and reduces downtime.

The plates can hold **moulds up to 400 mm in diameter**: excellent quality guaranteed by metal injection can be used to produce large items.



Two station table (1)

Technical specifications

Available stations	Nr.	2
Maximum diameter of moulds	mm	400
Crucible capacity	Litres Kg zamak	43 284
Power	Kw	20
Voltage	V 3~	380
Frequency	Hz	50/60
Dimensions	W cm D cm H cm	200 120 220
Weight	Kg	1200

> Top Quality

The metal thrust of the piston acts on the metal differently than traditional casting by gravity. You will achieve more compact casting and improved surfaces.

> Energy saving

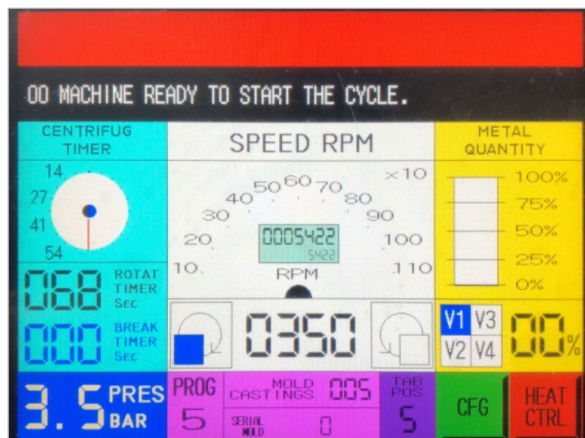
The metal is taken from the centre of the crucible (not from the surface) and pushed into the mould faster, thanks to the piston, and flows through a heated pipe. Temperature does not dissipate until the metal has reached the mould. You can therefore **lower the temperature of use for the crucible**.

> Extreme reduction of downtime during production cycle

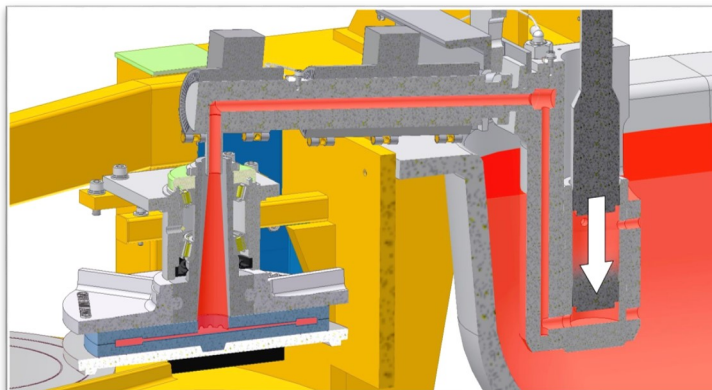
By using a convenient touch-screen (*fig. 2*) you can programme various menus, made up of the five main work parameters, i.e:

- **Rotation speed of mould**
- **Centrifuge time for cooling metal**
- **Pressure to be applied to the mould**
- **Sense of rotation**
- **amount of injected metal**

The casting unit will now work autonomously, controlling each production cycle operation. All you have to do is select the suitable menu each time and remove the casts from the moulds, that will be presented to you alternately on the **two plates** of the table.



Touch-screen (2)



Patented injection system designed by Cabe (3)

> Faster work cycles

Thanks to the patented injection system designed by Cabe (*fig. 3*), production times are considerably reduced: the thrust provided by the piston will allow the metal to fill every part of the moulds, even using less fluid. You can keep the temperature of the **metal** low, which will cool after filling the mould and **will solidify quicker**, reducing centrifugation time.

Also the thermal aggression on the rubber surface will be lower and **your moulds will last longer**.



From our foundation in 1969 in Milan, we are today one of the world's references for the spin casting of zinc or tin alloys.

We design and ship worldwide:

- systems for producing and decorating small metal parts in zinc or tin alloy
- silicone rubber for creating better moulds for centrifugal casting

With our products you can:

- reproduce several items such as buckles, fashion accessories, buttons and many others in metal or resin
- decorate and enamel your products with coloured epoxy resins, to achieve various effects thanks to the many hardeners available.



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