

# PowerForm

## PRECAST PRODUCTS TURNOVER MACHINE

Designed for the production of special/unique pieces

# PowerForm

PowerForm is designed to produce unique and special dry-cast concrete products. It works with a tilting mold system. In addition, the mold incorporates hydraulic systems that allow the parts to have holes, windows, and thin areas so they can be broken, if necessary, as well as hooks for lifting the product, allowing certain parts of the mold to be opened to release the part, etc. In this way, PowerForm offers us the possibility of producing pieces with very different and special geometries. The production process offers rapid demoulding, which allows for very high production cycles which, depending on the machine model and the product to be produced, range from 1 minute for the small machine to 8 minutes for the large machine..

PowerForm is available in two versions:

- **Mobile:** this version is the most used, if the available space is sufficient to carry out the production. Mainly because it provides a great speed in production. Investment costs with this system are minimal. The machine produces the parts and leaves them on the track for drying, while the machine advances to continue with the production of several pieces
- **Stationary:** this version is chosen when there is little space available, or when the goal is to use as few personnel as possible. In these facilities, the concrete is fed from the mixer directly to the machine, and there is a tray circuit (more or less automated, depending on the client's requirements) where the precast elements are deposited, to be taken to the drying area where the products can be stacked one on top of the other, optimizing space. Once the products are dried, they are palletized, and the production tray returns to the machine to be reused.

Machine operation can be automatic or semi-automatic, although in both cases an operator is required. In the case of mobile machines, a part-time operator is required to feed the concrete machine.

In all cases, they are very simple machines to operate with minimal maintenance costs that mainly affect general cleaning and lubrication of moving parts.



|                                                   | MODELS             |                    |                    |                    |
|---------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
|                                                   | PF-10              | PF-20              | PF-30              | PF-40              |
| Machine dimensions (cm.)                          | 345 x 250 x h. 265 | 445 x 450 x h. 340 | 545 x 450 x h. 350 | 645 x 450 x h. 350 |
| Product maximum dimensions (cm.)                  | 140 x 110 x h. 110 | 220 x 145 x h. 130 | 320 x 145 x h. 130 | 420 x 145 x h. 130 |
| Product maximum dimensions with raised mold (cm.) | 140 x 140 x h. 110 | 220 x 200 x h. 130 | 320 x 200 x h. 130 | 420 x 200 x h. 130 |
| Machine weight (Kg.)                              | 6.500              | 9.800              | 11.800             | 13.800             |
| Product weight (Kg.)                              | 2.000              | 3.000              | 3.600              | 3.600              |
| Capacity of the hopper (m3)                       | 1                  | 1,5                | 2,4                | 3,2                |
| Hopper height from the ground (cm)                | 240                | 295                | 295                | 295                |
| Installed power (kW)                              | 14                 | 30                 | 30                 | 30                 |



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PowerForm can produce items such as traffic/safety barriers, channels for collecting and conveying rainwater, storage tanks, elements for the distribution of electrical and telecommunications services, components for earth and slope containment; curbs for sidewalks; inlets and pipes for roadways, gutters, and lamppost foundations; and manholes for the distribution of various types of supplies, etc.



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