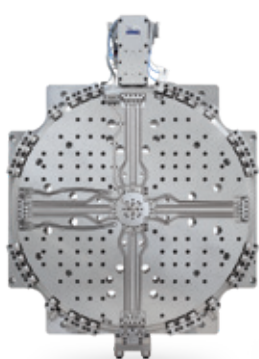




## ROTARY TABLE

Plasdan is the world leader in providing technological rotary equipment solutions with our huge range of rotary tables and index plates.

**The conventional rotary table is a positioning device, fixed on the machine platen.** It is equipped with an electrical servo-motor for fast, precise mould rotation, having PLC control with various possibilities of interfacing with the host machine. Shared PLC and controls for rotary table and Plasdan supplied injection unit when supplied as a set.



**standard version**



**high temperature version**



**slim version**



### + MAIN CHARACTERISTICS STANDARD SERIES:

- Fully electric
- Flush mounted to avoid large hole in machine platen
- Lock pin to ensure correct positioning of mould
- 3-way redundancy before allowing mould to close
- Mould bolt pattern, ejector holes layout and locating ring customizable
- Independent water and oil circuits for tool functions
- Option electric connections available for tool functions
- Standard 2-position (180°) operation
- Optional extra positioning modes possible for other moulding scenarios
- Uses standard components and electronics (parts available worldwide)
- Operating temperature up to 120°C
- Sizes range from Ø500 to Ø2500



### + SLIM SERIES

- Less influence on mould height
- More economical with some limitations

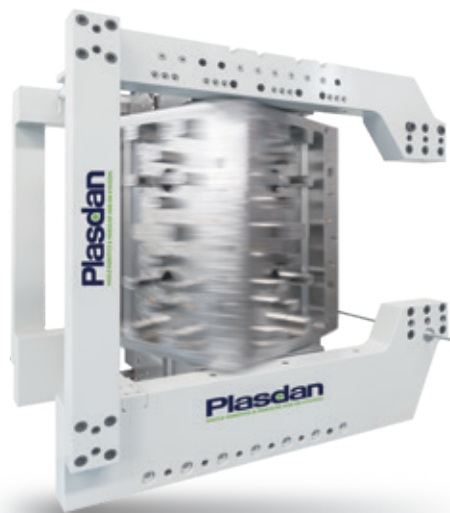
## PRH - HORIZONTAL ROTARY TABLE

The horizontal rotary table is mounted on linear rails in the mould mounting area of a standard injection moulding machine. The linear movement is normally via a rack-and-pinion system to maintain it equidistant from the machine platens. The horizontal rotary table accepts either a 2- or 4-face cube mould and can rotate through 90° or 180°, transferring previously injected parts from one processing station to another. The philosophy behind this concept is to allow simultaneous mould operations during the cycle, thereby shortening the cycle times. More specifically, the injection, cooling and the ejection of the part can occur simultaneously.

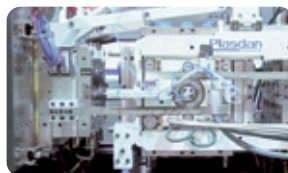




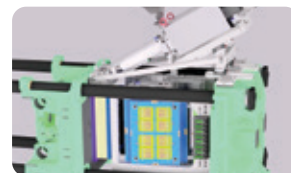
## C-FRAME



### C-FRAME HORIZONTAL



### C-FRAME VERTICAL

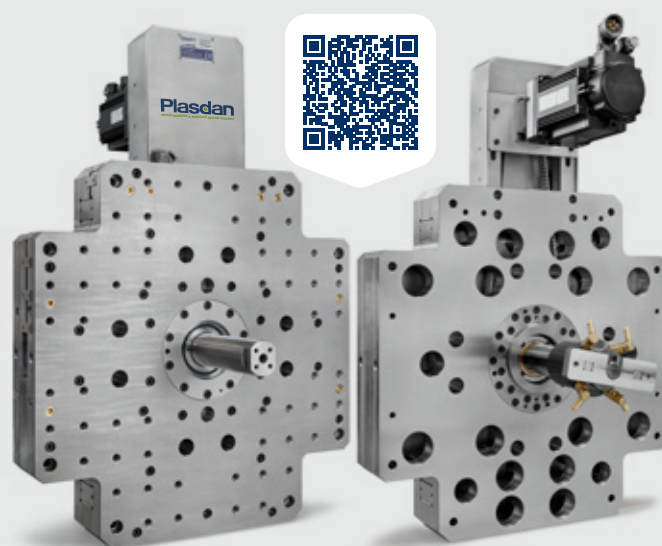


The C-Frame is a support system for a rotary cube mould that allows the central section of the cube to rotate through either 90° or 180°, depending on requirements, transferring the previously injected parts from one processing station to another. The opening /closing movement of the mould also allows for simultaneous rotation of the cube mould, saving cycle time due to these parallel movements. The cube's rotary axis can be either vertical or horizontal. The C-Frame is attached to the mould and can be transferred between compatible machines.

## LIFT & TURN

The LIFT & TURN system is used when a plastic part needs to be over-moulded on both the front and rear of the part simultaneously. The main advantages of the LIFT & TURN system are:

- Less rejected parts as the plastic is always in contact with some part of the mould
- Reduction of cycle time compared to manual or robot transfer of parts
- Complex shaped parts can be over-moulded on both sides
- Can be used in combination with other technologies for in-mould assembly
- Easily interfaced with the injection moulding machine
- Easily assembled and removed from the injection moulding machine.



A combination of Lift and Turn together with a C-frame allows the manufacture of very complex parts with in-mould assembly.

*Ex. Shower head below*

