

Plasdan

Multi-Injection Technology

Eco-Moulding



PLASDAN'S VISION

Developing and manufacturing the most efficient and innovative “Add-On” systems for the injection molding industry.

PLASDAN'S MISSION

Enable our customers, in particular, and the injection moulding industry in general, to be profitable, efficient and sustainable.








Inspiration – Innovation

Revolution

PLASDAN GOALS

- 1 Increase the production capacity of existing machines. (Productivity)
- 2 Install new features on existing molding machines (Investment cost reduction).
- 3 Production cells.
- 4 Enable flexible and competitive operation in a global market environment.
- 5 Innovative automation and mold robotics. (Assembly cost reduction)
- 6 Innovative molding technologies (value added production).
- 7 Efficient logistics process.
- 8 Environmental friendly (energy saving).

PLASDAN TOOLS

ADD-ON Equipment	MOLDING Technologies	MOLD ROBOTICS Automation
 Rotary table C-Frame Lift & Turn Cube plate	 Multi-shot	
	 Injection Welding	
	 Injection Compression	
	 Co-Injection	
	 Blowmolding	

Rotary Systems

Plasdan is the world leader in providing technological rotary equipment solutions with rotary tables and indexing plates. Our patented C-Frame system provides the market with flexible solutions for rotary cube mold applications.



Rotary table



Lift & Turn



Horizontal Rotary Table
(fully electric)



C-Frame
Horizontal or Vertical

Injection Units

Plasdan offers a range of full-electric, servo-driven, mold, platen or floor mounted highly accurate mobile injection units, with high shot-to-shot repeatability, are quiet and energy efficient. The add-on injection units are economical solutions to upgrade standard injection molding machines, enabling these standard machines to inject multi-colored or multi-component parts. The injection units are easily integrated with the molding machine via the robot interface as they have their own high-powered PLC controller.



Direct drive



Standard unit



Plate



Shot-pot micro

The injection unit is operated via a remote 8.4" color portable touch screen controller, with features as found on injection molding machines. The operation of a Plasdan rotary equipment can be incorporated into the injection unit controller, minimizing the space required around the injection molding machine for control cabinets.

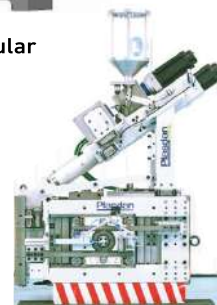
Injection Molding Mounting Options



Angular



Vertical on fixed platen



Angular on mould / C-Frame

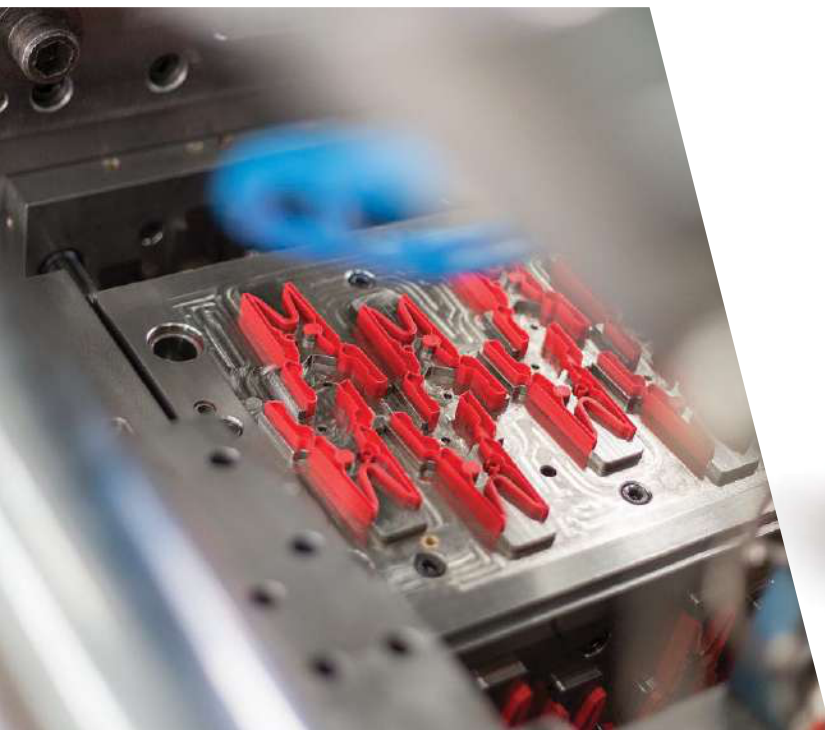
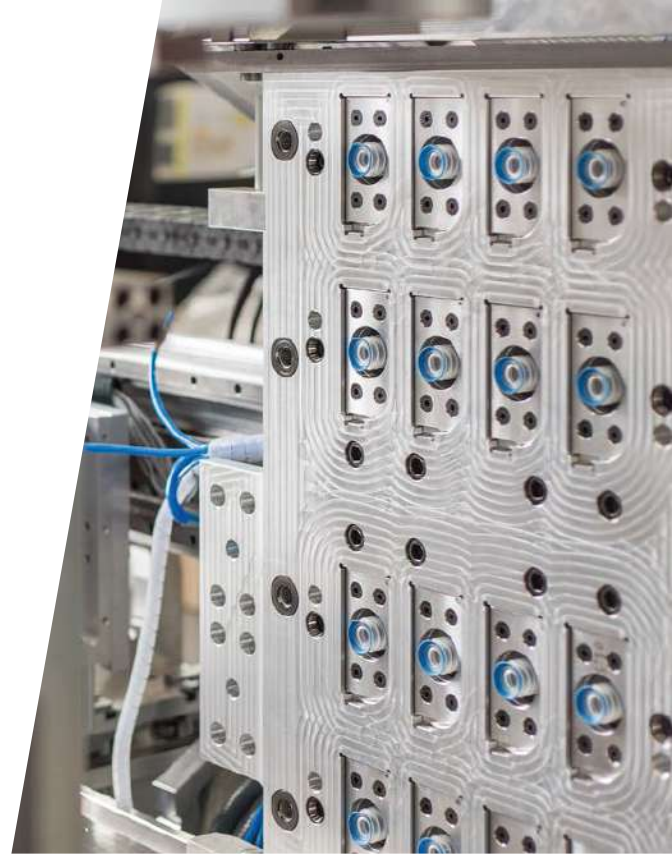


E-Molds & Mold Robotics

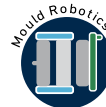
Innovation and creativity, applied to mold design, combined with Plasdan's modular add-on systems are key factors to create new possibilities in the emerging technological fields of "in-mold assembly". Plasdan named this new technological approach as "Mold Robotics".

This new technology is a fundamental step to increase sustainability and productivity in the injection molding industry in a global market environment, through innovative mold(ing) systems.

This concept, developed by Plasdan, has many technological applications and will have a major technological impact. For example, it allows very small parts to be assembled, welded and mounted.



Multi-Shot Technology: Saving Time, Space & Energy Adding Value & Flexibility



3 Component Part with CO-INJECTION

- Compact 2k Cube mold with C-Frame & Co-Injection: 8+8 cavities with 32 cores.
- 2 injection units: EL.0120.22 and EP.0020.10 + machine injection unit
- Cycle time of 8 seconds
- Rotation around horizontal axis

Plasdan

Plasdan has designed and manufactured equipment for the plastic industry for more than 28 years and have a number of patented products. We look towards the next decade and its challenges and focus our creative energy to develop new concepts and molding systems to provide our customers one step ahead of their competition.

Innovation that Creates Value

The products that we've created and developed are an extension of the mold, this allows an enormous flexibility and mobility of Plasdan molding systems and solutions.

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