



Moldblade



CONTENT

- Presentation
- Product design
- Manufacturing of moulds
 - Technical parts moulds
 - Industrial parts moulds
 - Household moulds
 - Multi-cavity moulds
- Process optimization
- After-sales service
- Turnkey projects
- Location



PRESENTATION

Precision, efficiency and commitment.

At Moldblade we manufacture moulds. With a global approach we strive to offer a local, intimate service with excellent communication throughout the process. We offer specialized attention with added value for our clients.



- ▲ CENTRAL OFFICE | Valencia, Spain
- WORKSHOPS | Barcelona, Spain / ShenZhen, China
- LOCAL COMMERCIAL OFFICES



PRODUCT DESIGN



“ The success resides in the details ”

NEW PRODUCT



Do you have an idea?

We will take on **product design from the beginning**, by way of a complete and **integral process**.

- Briefing analysis
- Market study
- Elaboration of concept sketches
- 3D models of formal proposals
- Structural calculation

RE-DESIGNING



Already have a product?
We can help you to make it better

We offer to **redesign products** already in **production** by way of weight **optimization**, resistance, cost, productivity, and aesthetics.

- Post-molding defects analysis
- Aesthetic function restyling
- Thickness optimization
- Functional prototypes

DESIGN	DEVELOPMENT	PROTOTYPED
3D Scanning	Structural calculation	Silicon Moulds
Conceptualization & sketching	Moldflow calculation	Mechanized ABS, scale: 1.1
3D Models	Optimization	Stereo-lithography / 3D impression

MOULDS MANUFACTURING

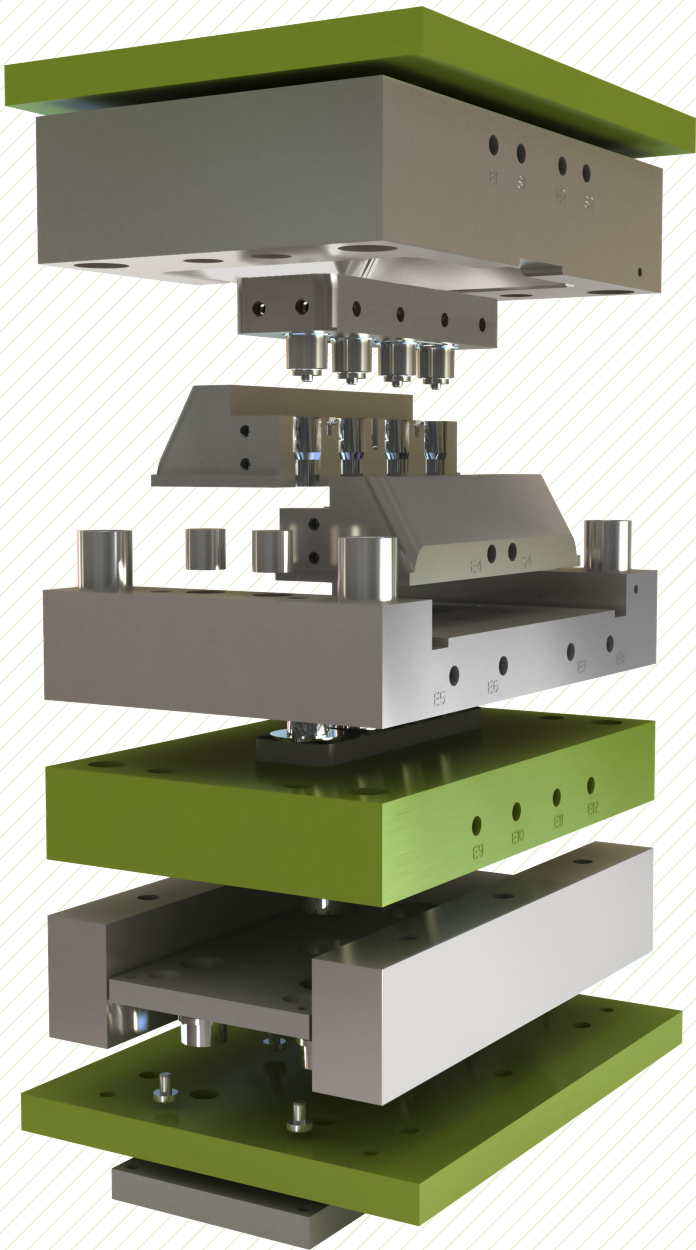
- TECHNICAL PARTSMOULDS
- INDUSTRIAL PARTS MOULDS
- HOUSEHOLD MOULDS
- MULTI-CAVITY MOULDS

Always profitable

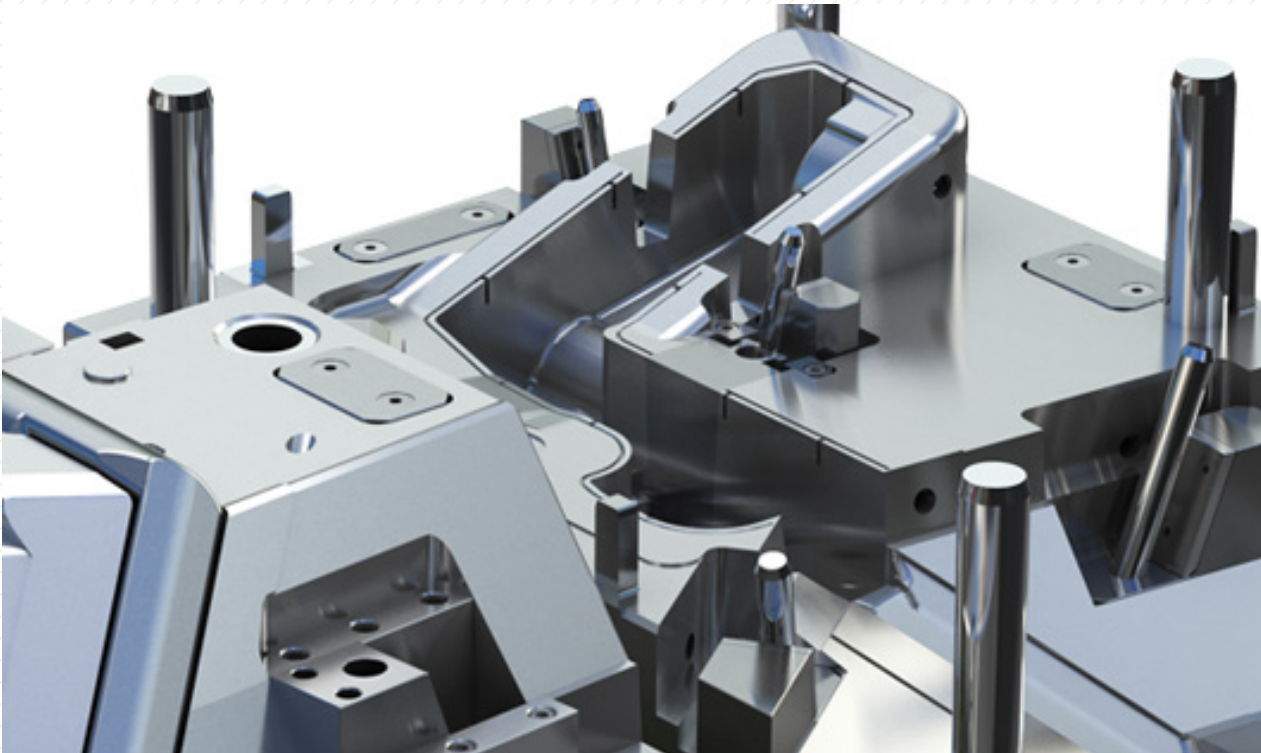
The evolution of our company has been to develope diverse sectors of multi specializations.

With this approach we hope to take advantage of our knowledge in each of the fields in order to offer the best, most updated results.

High quality steel, development of optimized mould cooling systems, precision machinery, and a high level of control over these processes allows us to offer moulds of the highest efficiency, precision, and profit.



TECHNICAL PARTS MOULDS



Passion for precision.

As one of our principal specializations, our passion for precision has been evolving for years in sectors as demanding as:

- Automotive (precision components, aesthetic...etc.)
- Electronics /white line
- Medical supplies
- Bi-component parts

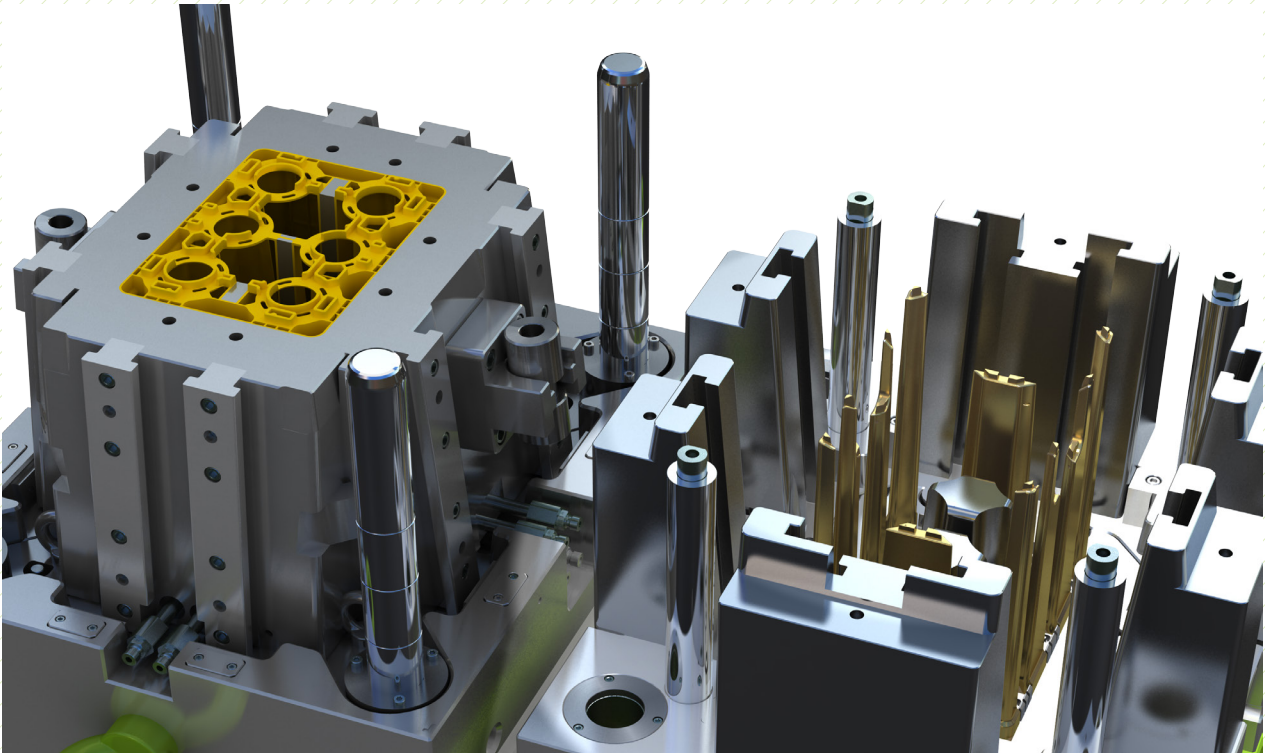
Moving parts with complex movements, adjusted tolerances, a high commitment to aesthetics, with a need for high dimensional stability, bi-component...



PRODUCT	Name	Category	Material	Year
	Window-cleaner tank	Automotive	Polyethylene	2009
	Achieved challenges			
	<ul style="list-style-type: none"> ► High dimensional precision ► 35" cycle ► Maximum control of post-moulding deformation 			
MOLD	Dimensions	Weight	Cavity	Injection system
	700 x 600	1.4 T	1	Hot tip
	Main feature			
	Steel 1.2711 / sequential hydraulic cylinder, 4 rails. Special design of cooling system.			



INDUSTRIAL PARTS MOULDS



The value of experience.

We develop a variety of highly specialized product blocks where only the empirical experience and repetition allow obtaining better results and going beyond the limits in producing this type of parts.

- **Fittings**
- **Crates** (agricultural, foldable, stackable – fit together, for drink...)
- **Painting bucket**
- **High dimensions parts** (pallets, platforms, dollies)



Fittings



Crates



PRODUCT	Name	Category	Material	Year
	Drink crates (6u.)	Industrial/Crates	HDP	2011
	Achieved Challenges			
	<ul style="list-style-type: none"> ► Maximization of the advertising space ► Reduction of 14% of weight in relation to concurrence. Mold cycle 37" ► Improvement of 9% of the stacking capacity (reduction in transportation costs) 			
MOLD	Dimensions	Weight	Cavity	Injection system
	800 x 700	2.9 T	1	Hotrunner system YUDO 6 points
	Main feature			
	Steel 2738 / Copper – Beryl inserts			

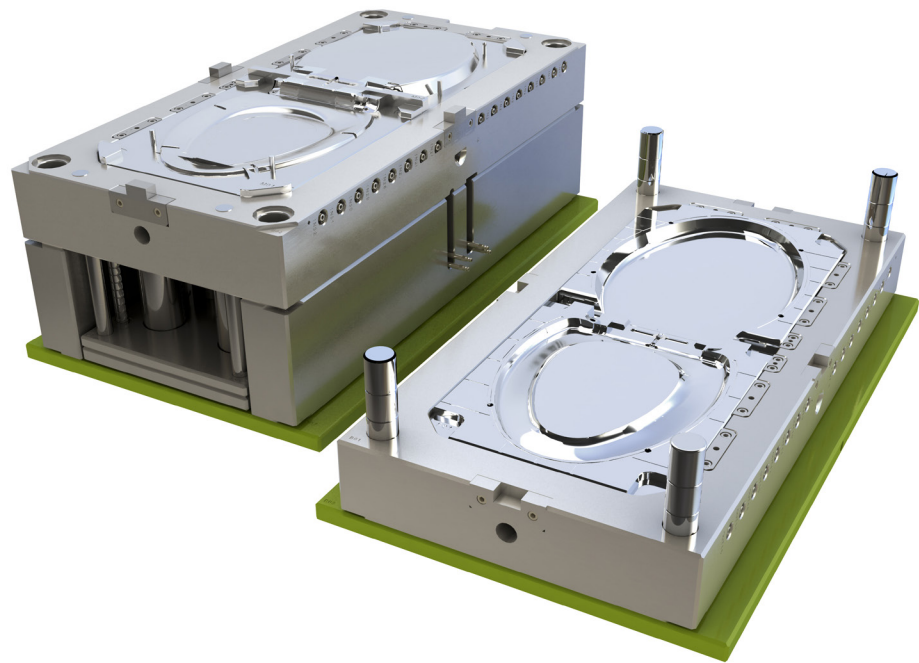


Painting buckets



Industrial platforms

HOUSEHOLD MOULDS



Modern Domestic Appliances

in a field where functionality is key, the aesthetics and cost/parts is rising, we produce efficient cycle molds as light as possible with compromising structure and functionality. We provide a vision and collaboration from an industrial design focused on production.

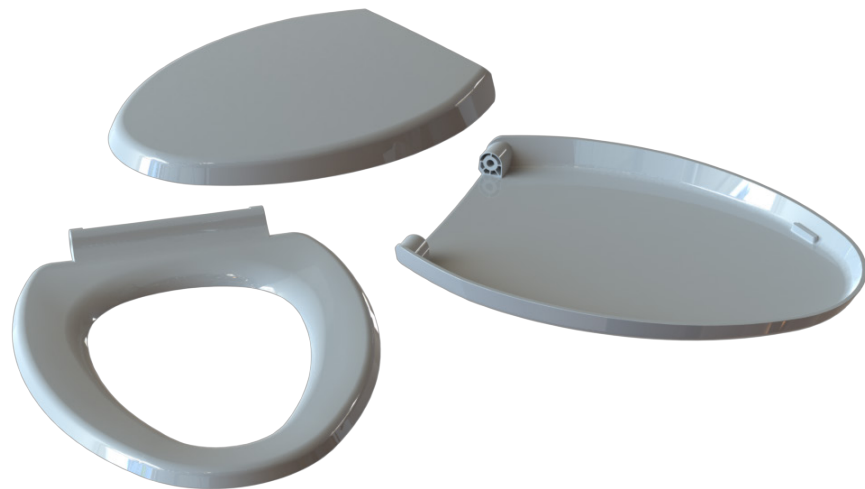
- Children
- Furniture and garden accessories
- Household items
- Cleaning items



Children



Furniture



PRODUCT	Name	Category	Material	Year
	Toilet seat	Household	PP	2010
	Achieved challenges			
	<ul style="list-style-type: none"> ► Weight reduction of 28% ► Cycle reduction of 41% ► High range ranking 			
MOLD	Dimensions	Weight	Cavity	Injection system
	1200 x 900	3 T	1	Valve gate hotrunner system
	Main feature			
	Steel 2344 / mirror effect polish			

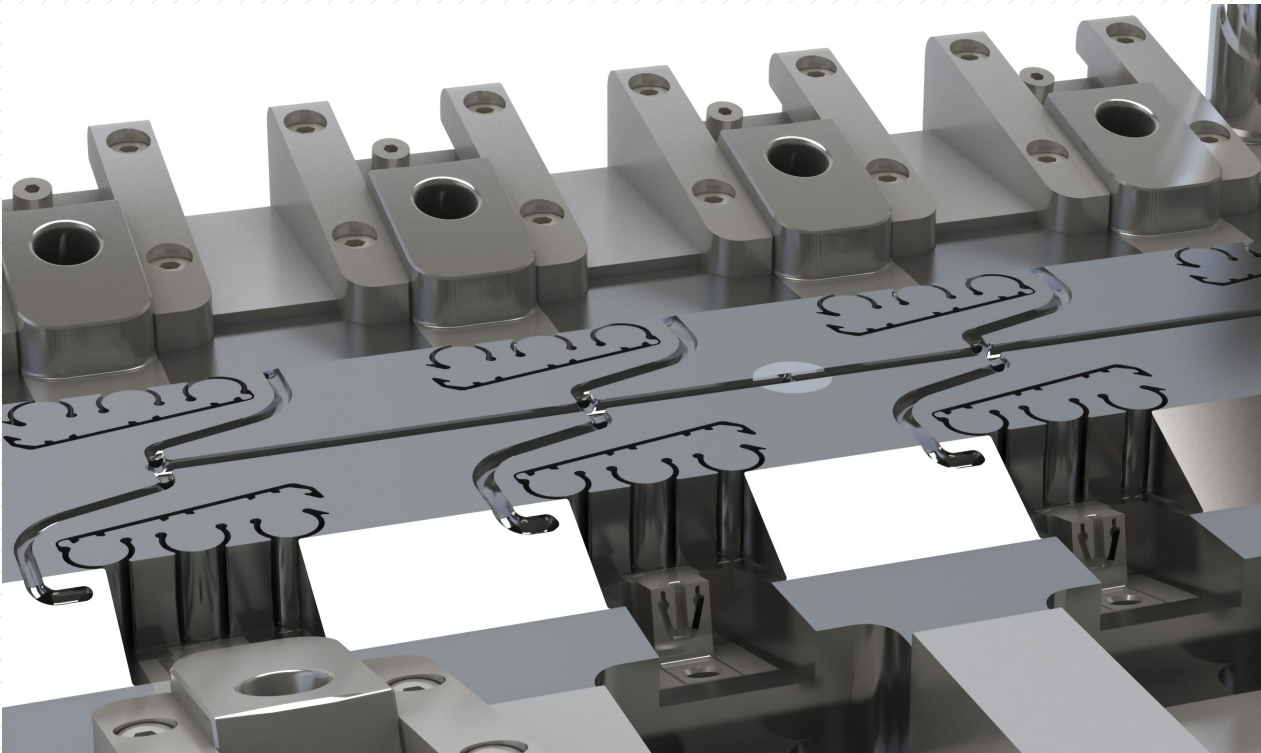


Household items



Cleaning items

MULTI-CAVITY MOULDS



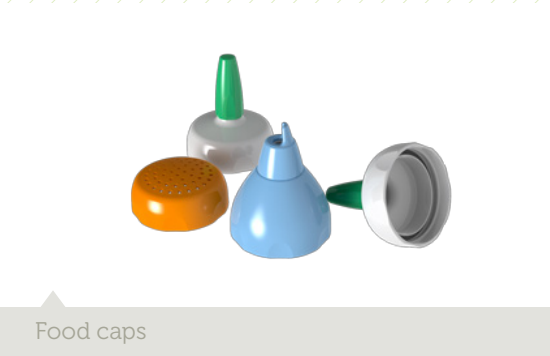
Speed, Reliability and Durability

Parts for cosmetic, pharmaceutical and food sectors where ultra-fast production cycles; reliability and durability are the standards to meet.

- ▶ **Food (Flip Top, Pull &Push)**
- ▶ **Cosmetics** (aesthetic parts, technical materials)
- ▶ **Disposable products** (cutlery, thin wall packaging)



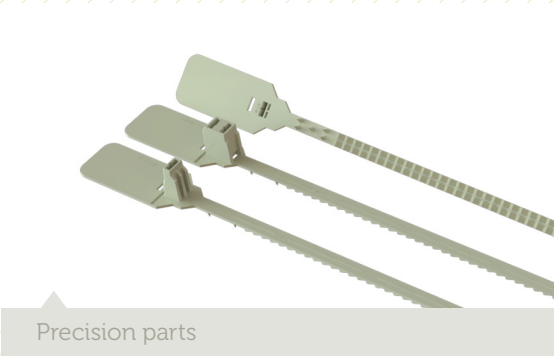
Cosmetic caps



Food caps



PRODUCT	Name	Category	Material	Year
	Triple clip	Precision part	PA	2012
	Achieved challenges			
	<ul style="list-style-type: none"> ▶ One piece with 3 negative poles en different directions ▶ Cycle time 24" ▶ Incorporate integral hinge 			
MOLD	Dimensions	Weight	Cavity	Injection system
	750 x 1050	3 T	32	Husky hotrunner system
	Main feature			
	Inox. Steel S136 /32 cavities with rail, lifter and ejector plate with sequential movement			



Precision parts



Disposables

AFTER-SALES SERVICE



Matter of commitment.

Via our subsidiaries network distributed throughout all of the countries in which we mostly work, we offer direct and local customer support.

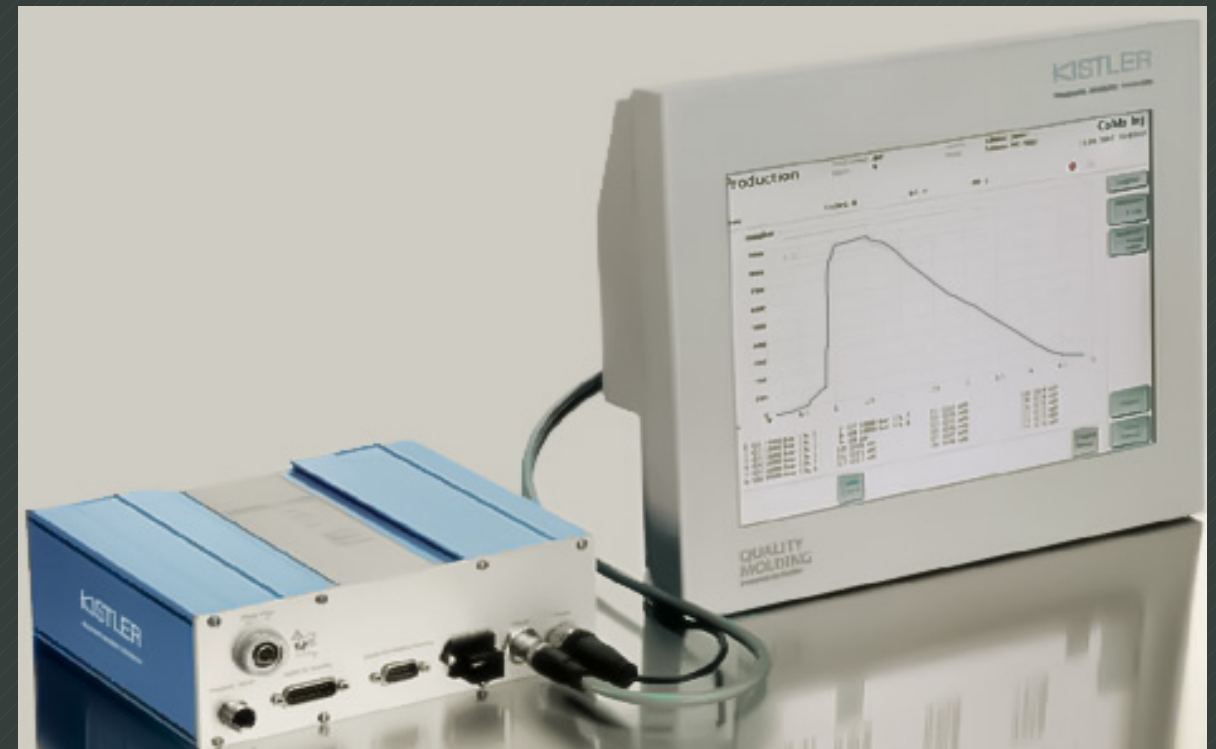
Our network of associated workshops provides services for modifications, warranty repairs, and general assistance.

A permanent stock of spare parts is always available.

Permanent stock of basic replacements and direct attention for inquiries:

sat@moldblade.com

PROCESS OPTIMIZATION



Guaranteed improvements.

A plastic injection factory is accustomed to have an elevated potential for improvement. By way of our technical specialists in injection, we offer services of:

- ▶ Launching the moulds
- ▶ Training in managing moulds and advanced injection workshops
- ▶ Process auditing for efficiency improvement
- ▶ Optimization of moulds capacity and elimination of injection defects.

NOTES

Meeting date: __/__/----

LOCATION

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