

PROTMEC[®]

Procesos Técnicos en Mecanizado

MISSION

We are a highly committed mexican company that we seek to be a **key link** in the supply of Mold Bases and Plate Holders for mold manufacturing industry.



Offering **high flexibility** of adaptation to the needs customer, maximizing the achieve through the **operational synergy**.

QUALITY STATEMENT

Be a key link in the supply of Mold Bases and Die Holders for the injection mold, die and tool making industry, offering a product that meets customer specifications, looking to be the best choice in quality and delivery time.

Through state-of-the-art technology and high precision machines, with competent and committed staff, working effectively, in a team and with safety.

Always seeking to improve our quality system and each of our processes for the benefit of our company and customers.

PRODUCTS AND SERVICES

- Standard Mold Bases PROTMEC
- Standard Mold Bases Euro or American
- Custom Mold Bases
- Special Machining
- Rough 3D Machining
- Hot Runner Services
- Tooling

STANDARD MOLD BASES PROTEMC

We offer a Mold Base line of fast delivery carries, consisting of 15 sizes.

		WIDTH (mm)					
		156	196	246	296	346	396
LONG (mm)	156	■	□	□	□	□	□
	196	■	■	□	□	□	□
	246	□	■	■	□	□	□
	296	□	■	■	■	□	□
	346	□	□	■	■	■	□
	396	□	□	□	■	■	■
	446	□	□	□	■	□	□

- Variety of cavity plate thickness.
- Steel option of 1045 or P20
- 3 mounting configurations
- More information in www.protmec.com.mx



STANDARD MOLD BASES EURO AND AMERICAN

We can offer any size or configuration of line holders, either standard in millimeters or inches.



CUSTOM MOLD BASES

We offer a complete flexibility in the manufacture of Mold Bases and tooling, with which we can participate in other industries such Die Cast.

Any arrangement, any dimension specified by design; If it is in our working capacities, we can manufacture!!!!



SPECIAL MACHINING

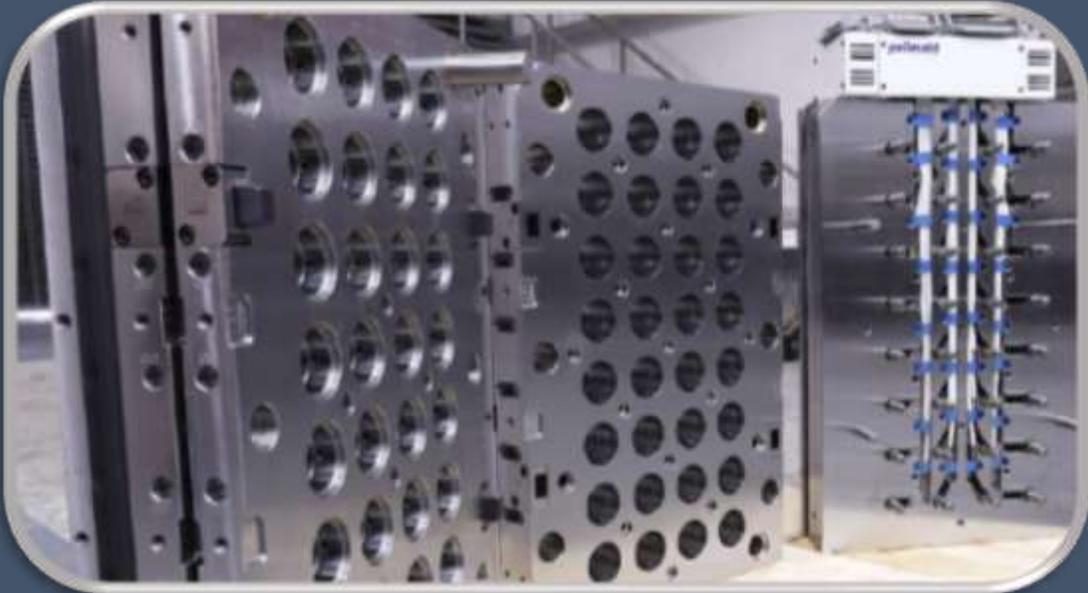
¡Our greatest strength!!!

Offer additional machining services.

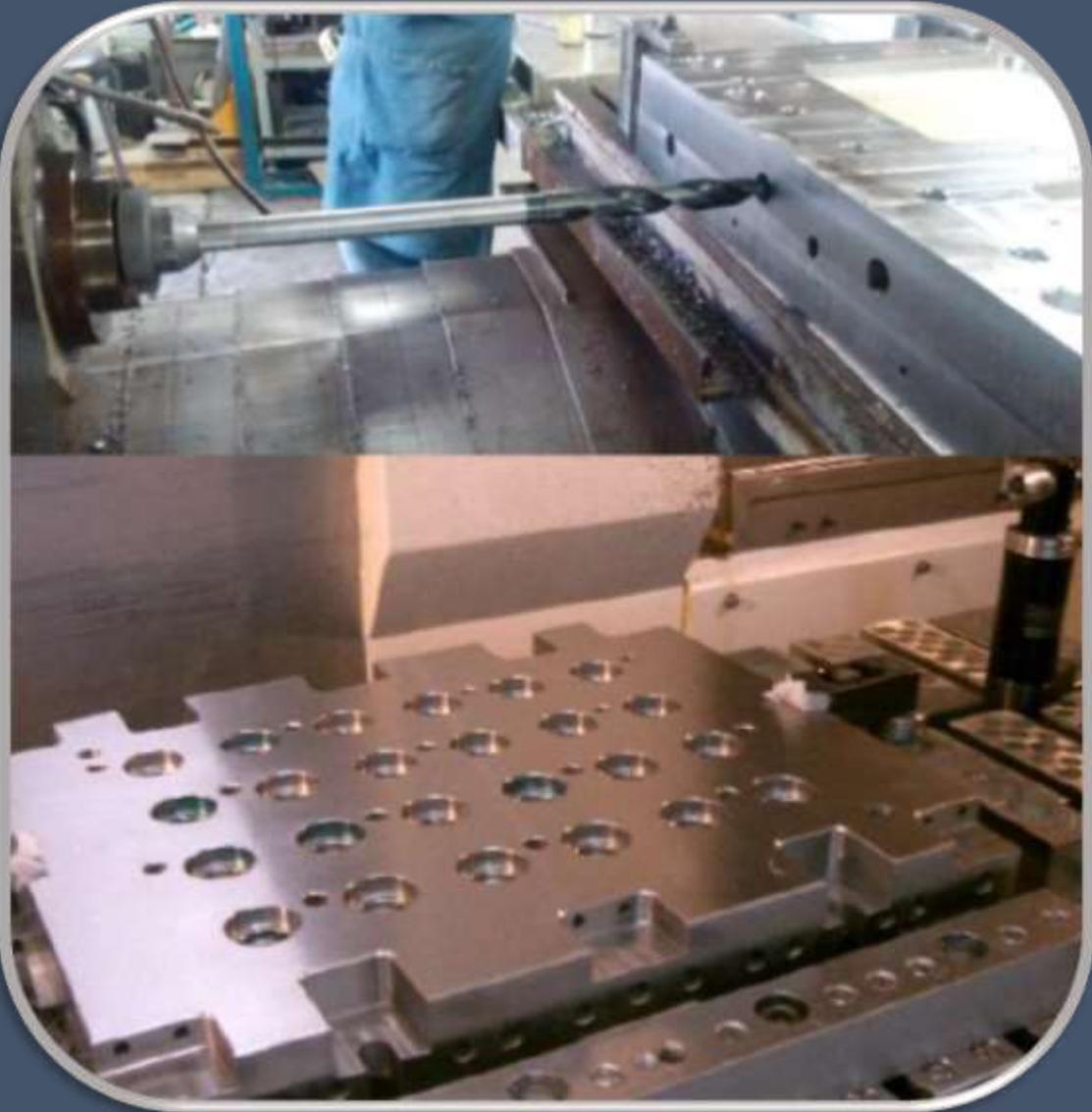
Delivering projects that moves from pallet transportation, to the assembly table of our customers.



SPECIAL MACHINING



SPECIAL MACHINING



SPECIAL MACHINING / HIGH CAVITATION CUSTOM MOLD BASES



SPECIAL MACHINING / HIGH CAVITATION MOLD BASES



ROUGH 3D MACHINING

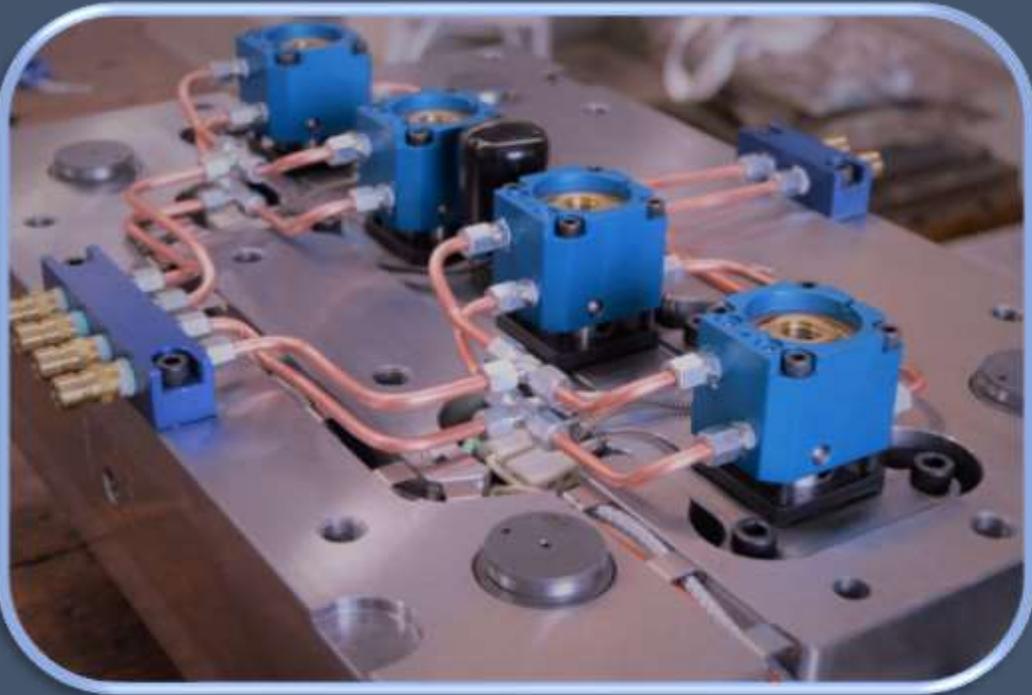
PROTMEC is equipped with tools and machines, that are special focused to offer 3D contouring service.



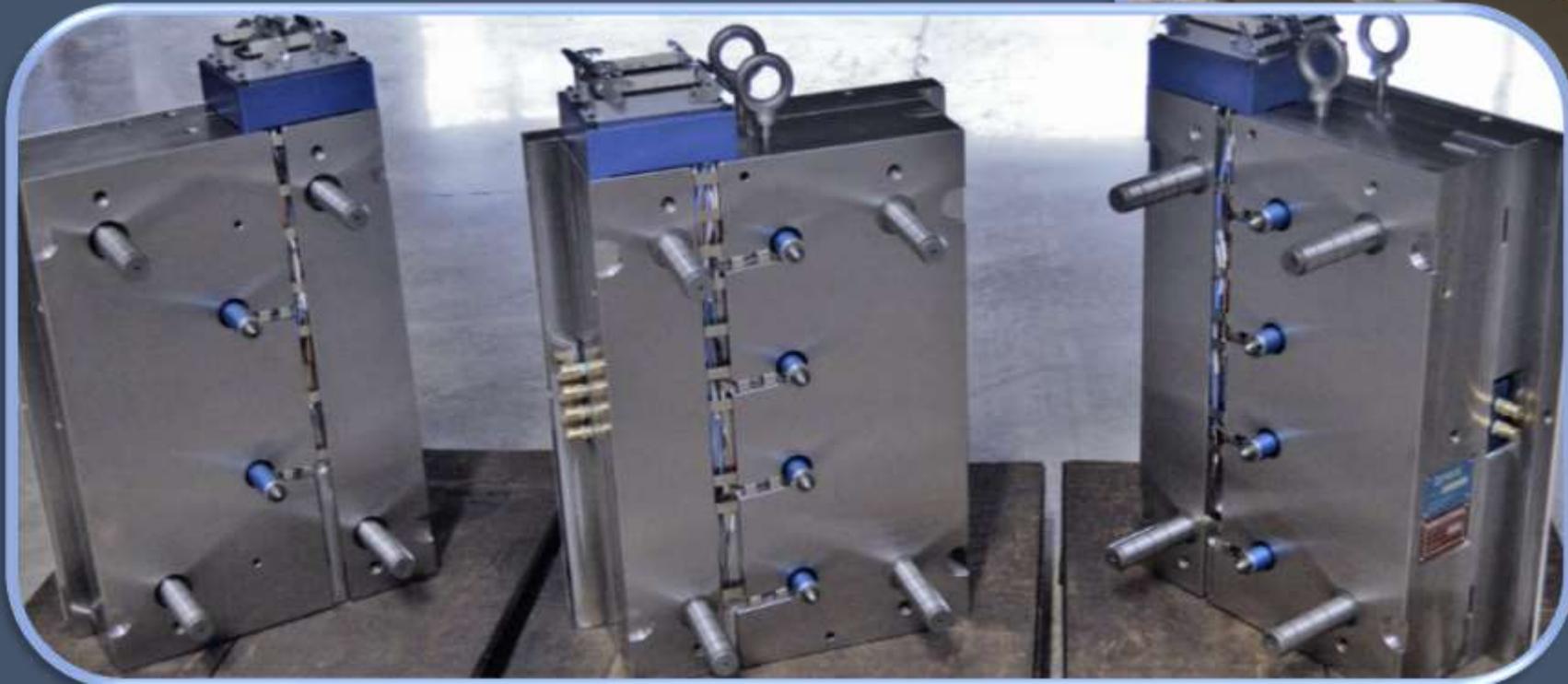
HOT RUNNER SERVICES

Established a joint venture between PROTMEC and  MHS[®], a global supplier of high-performance injection molding systems. We are available to offer a variety of services and products focused in Hot Runner Systems.

Manifold, nozzles and components, are Canadian manufacturing and development. Plates arrangements and installation, are made in Mexico.



HOT RUNNER SERVICES



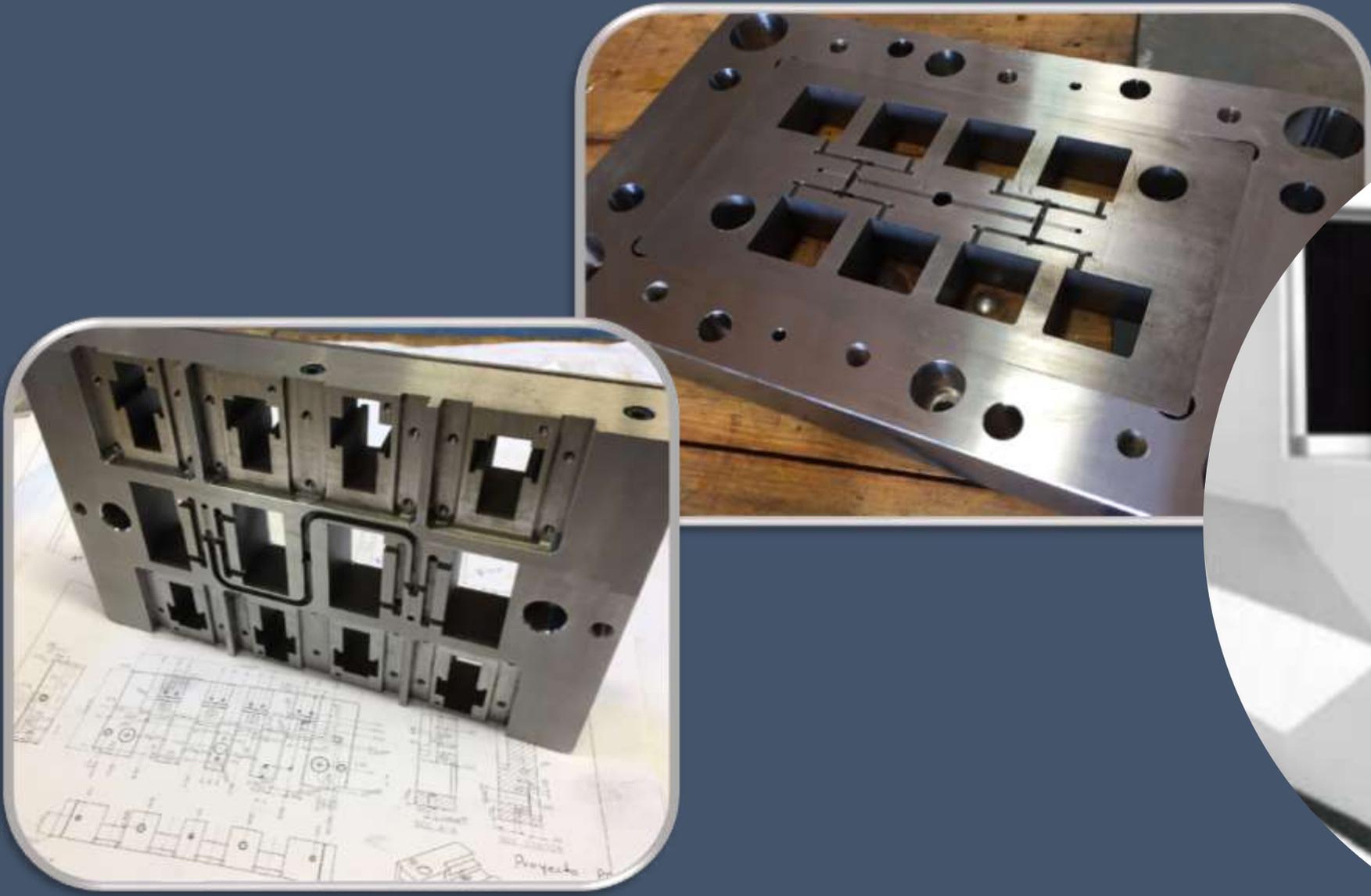
TOOLING

We offer manufacturing jobs for Die Stamping tools, Plates for quick change, set of plates for injection-blow process, plates for fixtures, etc.



WEDM SERVICE

The latest WEDM technology is used to create the high precision cavity pockets.



CAVITY POCKET ACCURACY

Δ Diameter & Pocket $< \pm 15\mu$

Positioning Accuracy $< 6\mu$

Thickness flatness $< 8\mu/100\text{mm}$



MAXIMUM PLATES CAPACITY

Size (mm)

600 x 1,200

Weight (kg)

800 each plate.

Expanding tolerances

Size MAXIMUM (mm)

1,000 x 1,400

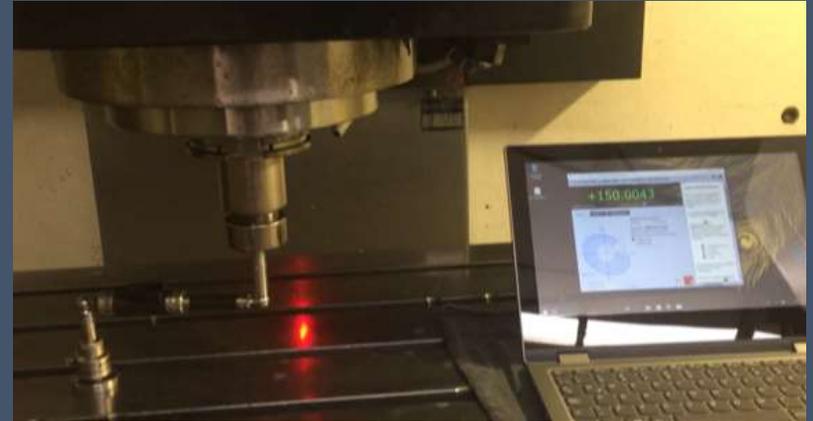
Weight MAXIMO (kg)

1,200 each plate.



WORK ACCURACY

To keep the accuracy of the CNC machine, PROTMEC make periodical test with her own tools.



EQUIPMENT / LIMITS / CAPACITIES

MACHINES	OPERATION	LOWER LIMIT	UPPER LIMIT	THICK MAX.	CAPACITIES
OKK II	Face mil	150 x 150	800 x 1,500	500	2,500 kg
Roccomatic	Face mil	Unlimited	520 x 1,200	420	1,000 kg
Zoca	Squared	150 x 150	1,000 x 1,200	420	1,000 kg
Shibaura	Squared	800 x 800	1,500 x 1,500	700	2,500 kg
Prhaemo	Grinding	150 x 150	540 x 1,600	320	1,000 kg
Mello	Grinding	Unlimited	500 x 900	280	450 kg
Nicco	Grinding	150 x 150	660 x 1,600	500	1,200 kg
OKK I	Rough CNC	Unlimited	1,000 x 1,600	500	2,500 kg
Kuraki	Horizontal CNC	Unlimited	1,000 x 1,400	500	2,500 kg
Mazak VTC	Finish CNC	Unlimited	530 x 900	500	800 kg
Mazak VCN	Finish CNC	Unlimited	900 x 1,600	500	1,400 kg
Toyoda FH	Finish CNC	Unlimited	700 x 750	320	500 kg
Makino U3	WEDM CNC	Unlimited	-----	200	350 kg

DIMENSIONS IN MILLIMETERS

SOME REQUIREMENT ABOVE THE LIMITS MENTIONED, PLEASE CONSULT US

¿WHY WORK WITH PROTMEC?

Company that understands the tooling market needs.

Passion for what we do.

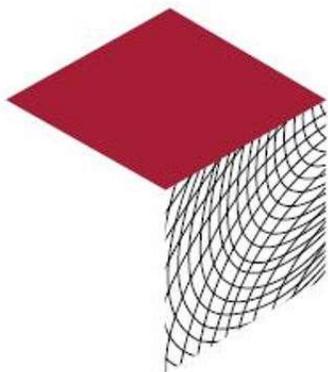
High flexibility and adaptation to the customer needs.

Currently in process to achieve ISO 9001-2015 certification.

Staff with more than 10 years of experience in Mold Bases manufacturing.

All the product is 100% inspected.





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More information in our web page

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