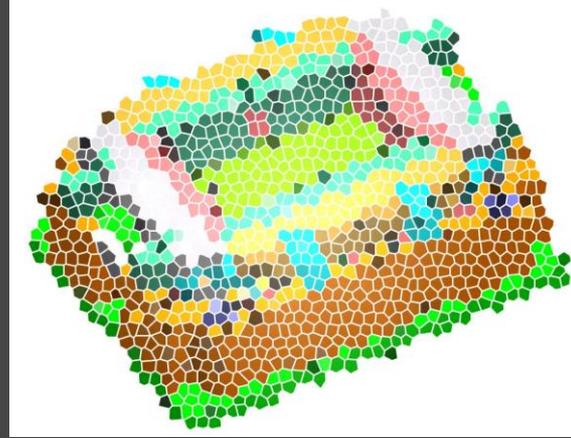
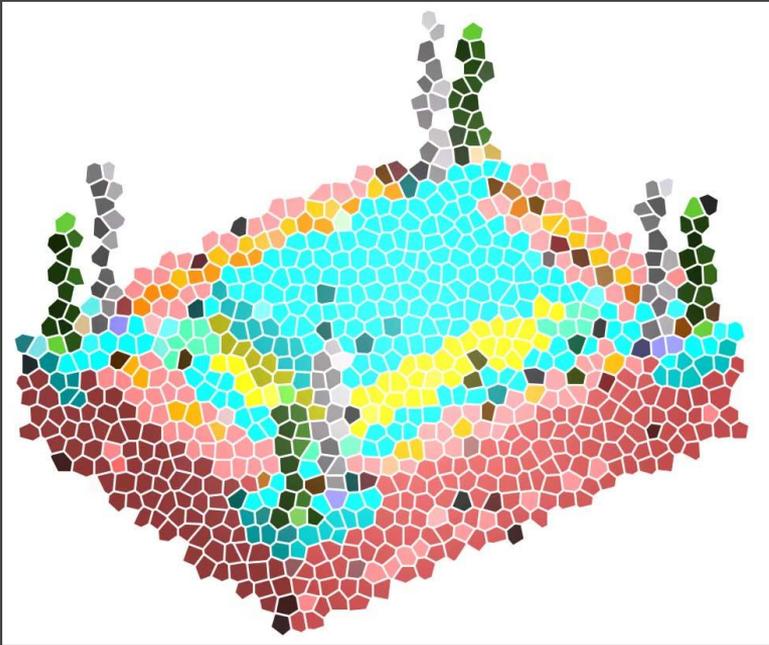


MECÁNICAS MOL-PRECI, S.A.



Our Company

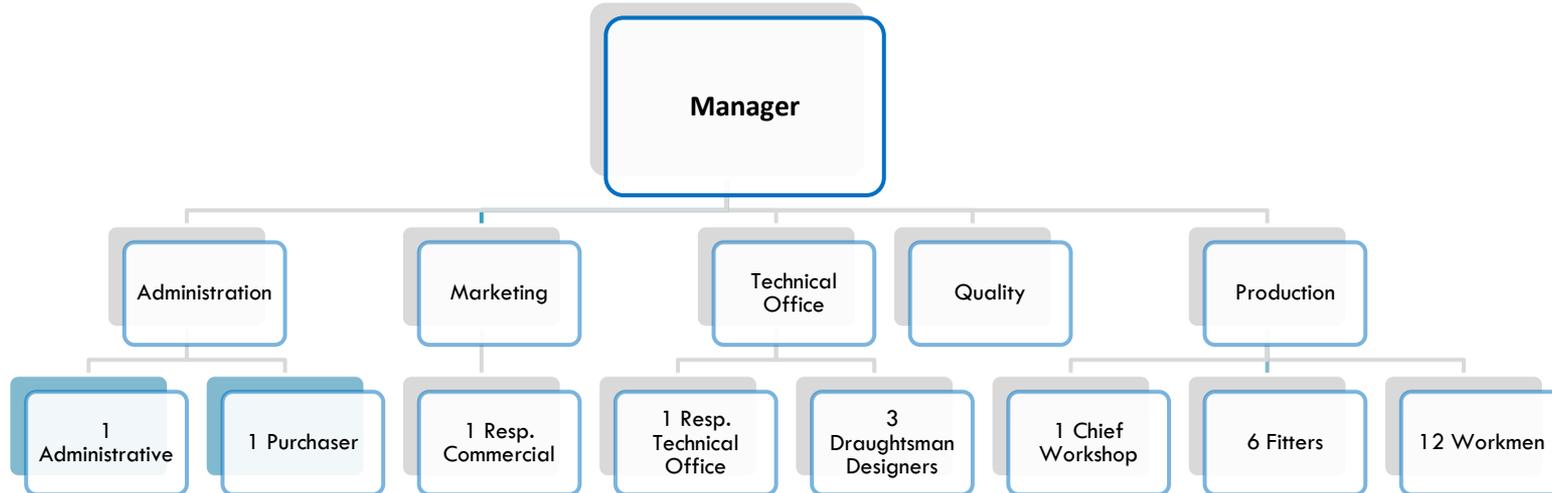


3

- **Mechanics Mol-Preci, S.A** founded in 1977, is a company specialized in design and manufacturing of high quality precision molds, for thermoplastics and thermoplastic injection, as well as aluminum and Zamak injection molds. In the productive areas of automotive, cosmetics, closures, packaging, electronics, home appliances etc. Our annual productive capacity is 65.000 hours and molds up to 10.000 kg.
- Our recognised status in the world of mould construction both in Spain and in the rest of Europe is due to our know-how, the quality of our production, and the continuous integration of new techniques (CNC, CAD-CAM). In fact, avant-garde technologies are used in the technical department and in the machinery with help of our highly skilled staff.
- All these years have helped us to acquire experience, technical elements and human necessary resources to guarantee our clients, besides a competitive price and respect of accorded deadlines, a complete service of information and checking until the end of the process and official approval of the moulds and pieces.
- We certify the quality of our molds and have the possibility of realizing the pre-series and dimensional analyses in the Laboratory of trials of molds and counterfoils, located in ASCAMM's Technological Center which our company is member for more than 25 years.

Our Company

4



Our Company

5

MOL-PRECI, S.A. is only 15 km. away from the center of Barcelona, accessible through highway C-58, and 25 km. far from the Airport of Barcelona EL PRAT.



Products

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- Experts in design and manufacture moulds up to 10 Tons for:
 - Plastic Parts:
 - Thermoplastics injection
 - Thermosetting Injection
 - Thermosetting Compression

- Design and construction of tools for production of non ironed parts.

Services



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- **To the tool construction we add, under request, the following services:**
 - Mold-flow studies.
 - Try-outs.
 - Dimensional report.
 - Modifications to existing tools.
 - Repairs.

Services

(Catalan Toolmakers Ass.)



Associated company: **ASCAMM**

- ASCAMM offers external services as trials and validation of the functionality of our molds.
- They realize mold-flow, pre-series and dimensional analyses.

Clients



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- ArcelorMittal
- Allibert Manutención S.A.
- B2I Design & Industrialization
- Bordas, S.A.
- Bosch
- Cepex
- Congost Plastic, S.A.
- Crearplast
- Electrolux
- Fagor Electrodomésticos S. Coop.
- Faurecia
- Industrial Flexo, S.L.
- Inyección Artículos Laboratorio, S.L.
- Industrias Tajo, S.Coop.
- Ipp, S.A.
- Lizaga Ubalde, S.L.
- Mahle filter Systems UK, LTD
- Maier
- Mann-Hummel Ibérica, S.A.
- Mecalux, S.A.
- Mecaplast
- Motecsa
- Multiplast, S.L.
- NISSAN
- Oliveira, S.A.
- Peguform Ibérica, S.L.
- Plamar
- Plastal Spain, S.A.
- Renault
- Sacopa
- Saint Gobain Perfor. Plastics
- Schefenacker
- Schneider Electric
- Seat, S.A.
- Serplasa
- Taiplas
- Tajo Coop.
- Talleres Miagmo
- Trety / Trèves
- Valeo
- Visteon
- Zanini Auto Group, S.A.

Restricted use

MECANICAS MOL-PRECI, S.A.

Areas

10

- **The following are our main areas:**
 - Automotive,
 - Home appliances,
 - Electronics and electricity,
 - Packaging caps and closures industry,
 - Pharmaceutical and clinical items,
 - Others.

Market

Automotive:



Market

Automotive:



Restricted use

MECANICAS MOL-PRECI, S.A.

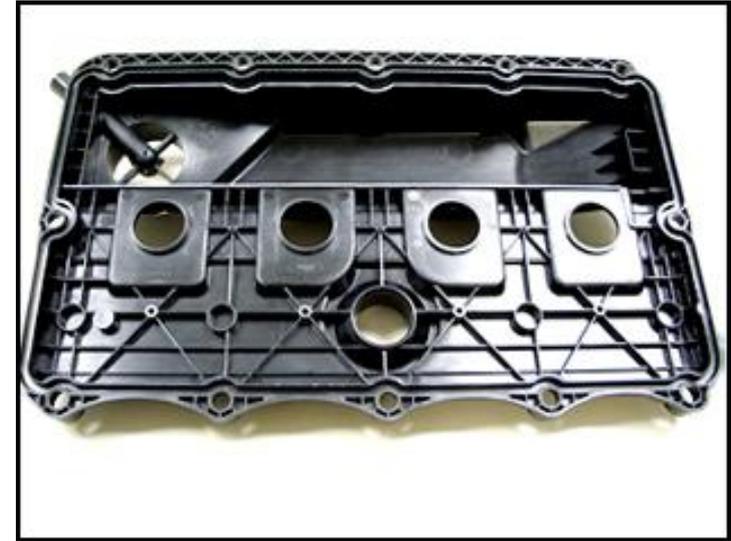
Market

Automotive:



Market

Automotive:



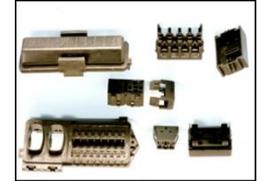
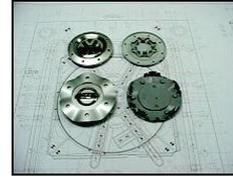
Market

Automotive:



Market

Automotive:



Market

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Packaging caps and closures industry:



Market

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Packaging caps and closures industry:



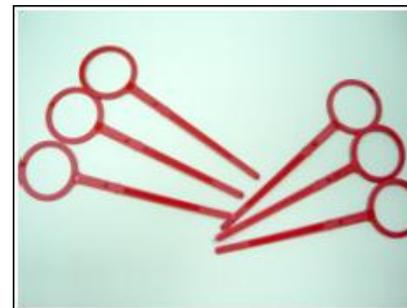
Restricted use

MECANICAS MOL-PRECI, S.A.

Market

19

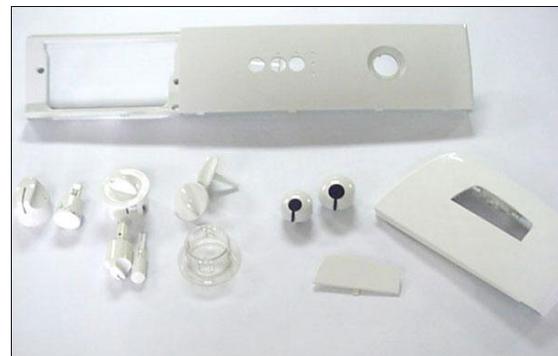
Packaging caps and closures industry:



Mercado

20

Home
Appliances:



Restricted use MECANICAS MOL-PRECI, S.A.

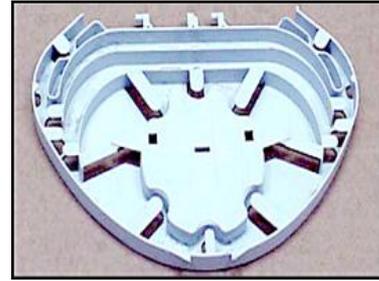
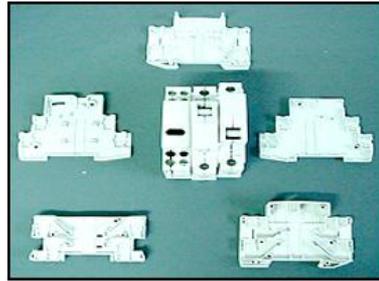
Market

Home
Appliances:



Market

Electronics
and
Electricity:



Restricted use

MECANICAS MOL-PRECI, S.A.

Market

Pharmaceutical
and clinical
items:



Market

Others:



Own tools

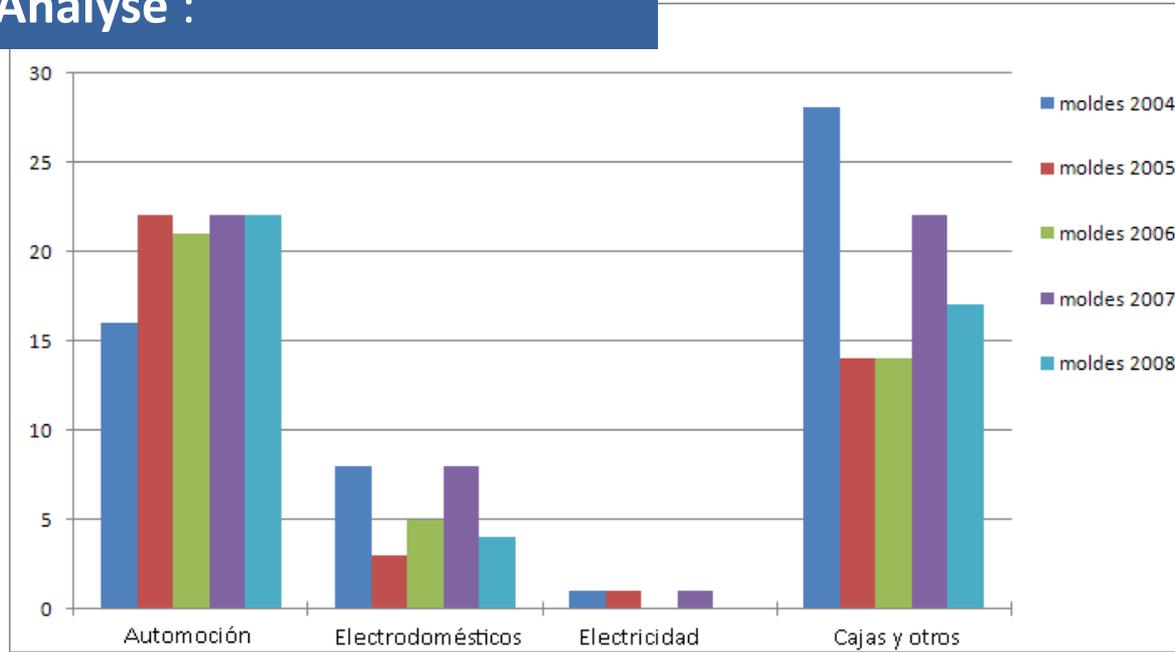
25

Nº	Denomination	Cavities	Machine	Observations
1	Stopper MPD60	12	300 TN	3 Flat Versions - WASHER- GAS EXIT
2	Stopper MPD50 HARPOON	8	150 TN	3 Versions disc - WASHER- GAS EXIT
3	Stopper MPD50 SAW	8	150 TN	3 Versions disc - WASHER- GAS EXIT
4	Stopper MPD38	16	100 TN	2 Versions – PLUG AND DISC
5	Stopper MPD36,5	16	100 TN	2 Versions – PLUG AND DISC
6	Plug	8+8	60 TN	2 Versions – ø50 and ø60
7	Keys	1	60 TN	2 Versions – HARPOON AND SAW
8	Ring	8	60 TN	1 Version
9	Suitcase	1+1	250 TN	Complete set
10	Brush	8	150 TN	
11	Brush	16	250 TN	
12	Ham hanger	1	100 TN	PROTOTIPO
13	Ham cone	2	150 TN	
14	Dialysis strip	4	100 TN	
15	Dialysis lid	2	100 TN	
16	Dialysis support	4	60 TN	
17	Dialysis cartridge	4	150 TN	2 Versiones

Market:

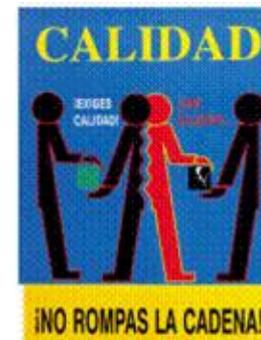
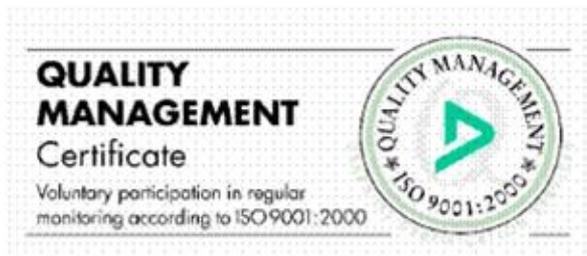
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Areas Analyse :



Quality:

- The quality system implanted according to procedure ISO 9001-2000 and the continuous review of our controls of quality, joined to the conscientiousness in the management of environmental procedure and of prevention of labour risks, turn us into a fully effective and sustainable company.
- The high requirements as for quality, are the best guarantee of satisfaction, for this one we motivate, our company supports a high level of quality, both in the manufacture of the product and in it's final control, fulfilling the most demanding needs of our clients.



Restricted use

MECANICAS MOL-PRECI, S.A.

Technical Office:

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- **Operating System:**

- Windows NT
- Windows 2000 / XP

- **CAD System:**

- 2D: Auto-CAD V.2005.
- 3D: MASTERCAM, TEBIS, ICEM, TOP MOLD, TOP SOLID.

- **CAM System:**

- TEBIS 3.1
- MASTERCAM

- **CNC Post-Processor:**

- HEIDENHAIN
- MILLTRONIC
- MAKINO

- **Language converters:**

- IGES, VDA, DXF/DWG, MODEL CATIA, UNIGRAPHICS, PARASOLID, STEP.

Machinery:

□ Milling machines:

- 1 Milling ANAYAK FV.
- 1 CNC Milling BRIDGEBORT – Interact 4.
- 1 CNC Milling CORREA CF 20.
- 1 CNC Milling CORREA MOD. CF 17.
- 1 CNC Milling CORRERA CF 16.
- 1 Milling LAGUN FTV-4.
- 1 CNC Milling ZAYER KF 2.200.

□ Rectifiers:

- 1 Rectifier HIDRO-PRECIS 700x450.
- 1 Rectifier HIDRO-PRECIS 1200x800.
- 2 Rectifier INGAR RT-612.
- 1 Rectifier ARISTECH GS 618.
- 1 Cylindrical Universal rectifier FERDIMAT.
- 1 Pantograph HERLUCE HE-1.

□ Lathes:

- 1 Lathe PINACHO A-75
- 1 CNC lathe MORI SEIKI SL-20.
- 1 CNC lathe MILLTRONICS ML 20/40.

□ Mechanical center:

- 1 Mechanized center PARTNER VM 17.
- 1 Mechanized center of high speed MAKINO V55.
- 1 Mechanized center of high speed MAKINO V33.

□ Electroerosion:

- 1 Electroerosión ONA-60 with POLI-SPARK.
- 1 Electroerosión ONA-30.
- 1 Electroerosión thread ONA PRIMA E-400.
- 2 CNC Electroerosión ARISTECH DIGI SPARK DS 550.

Machinery:

30

- **Sharpeners:**
 - 2 Sharpeners DECKEL ST-23-A.
 - 1 Sharpener HERLUCE B.

- **Drills:**
 - 1 Radial drill IRSASA RSE-32.
 - 1 Radial drill SORALUCE TRO-1250.
 - 1 Drill “on-table” ANJO TS-8.
 - 1 CNC drill IXION TL 1000 (Deep whole drill).

- **Others:**
 - 1 Bridge crane 5 Tn.
 - 1 Bridge crane 10 Tn.
 - 1 Press of adjustments MILLUTENSIL BV-26.
 - 1 Profile projector MITUTOYO.
 - 1 Special cutting machine and ejectors rectifier JL300.
 - 1 Crosscutter.
 - 1 Millestone LETAG auxiliary E-Z machinery (Tries of wax, polishers, etc.).
 - 1 Centaur Durómetro...

Plant:

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- Modern and sophisticated machinery provided with systems of numerical control (CNC).
- We dispose on 3 high speed mechanized centers that allow to work the moderated steel without need of polish.



Workshop:

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Barcelona – Spain

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Restricted use

MECANICAS MOL-PRECI, S.A.