

ARAGO

T O O L S

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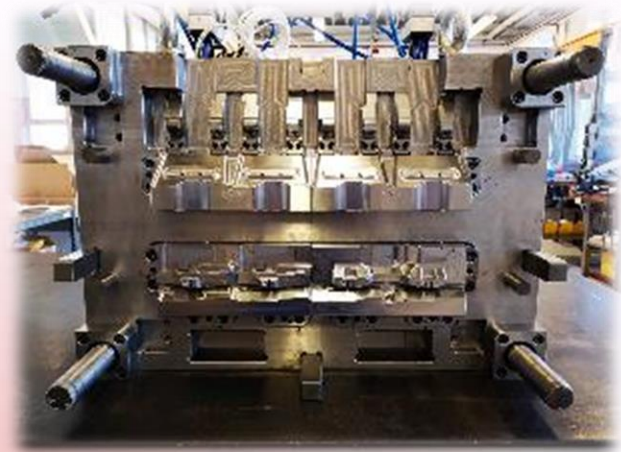
<http://www.aragotools.eu>

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Main activities

- Tool designing and tool making
 - CNC machining, EDM technology
 - Electrode designing, toolmaking
 - Polishing, laserengraving and laserwelding
 - Plastic injection moulding
- Manufacture of plastic injection moulding tools
 - Aluminium moulded toolmaking
 - Manufacture of cutting and bending tools
 - Unique parts making



ARAGO
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Two plants together with
2300 m² area, altogether
1660 m² production area.



Toolmaking – CNC machining centers



Deckel Maho DMC V105 Vertikal

5 axis CNC machine

Speed: 28.000 turns/min,

Working range: 800 x 1100 x 560 mm



DMU 50 Evolution

30 pieces of storage for palletizing

3 axis laser CNC center

Speed: 18.000 turns/min,

munkatér: 420 x 500 x 450 mm

DMG Mori DMU 75 Monoblock

5 axis CNC machine

Speed: 18.000 turns/min,

Working range: 750 x 650 x 560 mm



Deckel Maho DMC 70V

3 axis, table: 900 x 550 mm,

working range:

700 x 550 x 500 mm, Speed: 16.000 turns/min



MAS MCV 1000 3D

3 axis table: 1300 x 600 mm,

Working range: 1000 x 750 x 750 mm,

Speed: 6.000 turns/min

Tool production – EDM machines



Sodick AQ750LH EDM

Due to fixed table design, heavy loaded parts can be machined without demaging positioning accuracy.

Range of motion: X-Y axis: 750 x 500 mm
U-V axis: 770 x 520 mm
Z axis: 600 mm
Max. workpiece: 1050 x 750 x 600 mm
Max. workpiece weight : 3000 kg



GANTRY EAGLE 400 EDM –3db

Machining range : 320x320 mm

210 electrode storage capacity and 19 pieces of palette space allows automated machining of more complex workpieces.

Elements of Eagle MultiChange CNC centre



Hitachi 355Y EDM

table: 750 x 500 mm,
Working range
500x350x300 mm

Sodick AQ327 EDM

Machining range : 568x420 mm

Due to high level precision parts can be machined with micron punctuality. Obliqued cutting option with 25°degrees tilt.



Tool production - Automatic robotcell



Ensure continuity and stability of production



Unique solutions of tool manufacturing multiply our efficiency.

Improves flexibility and capacity



- Graphit milling (5 axis)
- 210 electrode storage capacity
- 19 pieces of palette space
- EDM machines-2 pieces
- 3D coordinate measuring machine



Other machines

Gildemeister CTX 310 ECO

Suitable for larger cross-section machining, CNC control unit allows to unique and serial production
Number of driven tools: 6



DMG Lasertec 40 Laser machining system

Laser range: 400x300 mm, Focus range: 50 mm.
Suitable to work on any kind of surface from 3D's.



Jung Vario-D profilegrinder

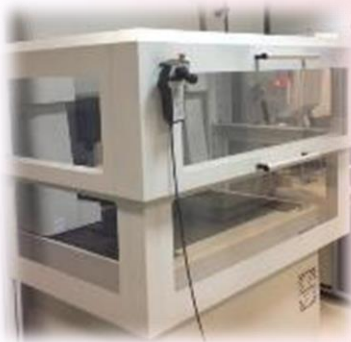
Machining range 600x335 mm
Only the Jung profilgrinder has on the whethead equipped CNC controlled stone control unit, wich allows you to create complex geometries.



EROWA 3cmm 3D coordinate measuring machine

Measuring according to 3D models.
Comparative measurements from real machined parts and its 3D models.
Automatically compose measurement protocol after measurements.

Derby Etalon 3D



Derby Etalon 3D coordinate machine

Easy to measure unique parts with fast programming system.
Punctuality within 1 micron.

Plastic injection moulding



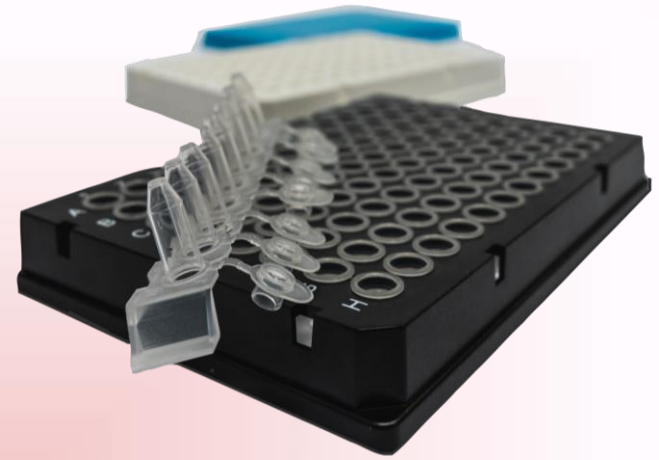
Fanuc roboshot, all electric injection moulding machines

S100-iA – 125 tones clamping force (36' srew, year: 2019)

S130-iA – 130 tones clamping force, (32' srew, year: 2020)

S100-iA – 100 tones clamping force (32' srew, year: 2021)

We expect to add another 3-4 aircraft to our fleet.



Manufacture of laboratory equipment

As a proprietary technology, we also injection mould 100% biodegradable Biocomposite based products in addition to plastic raw materials.



Referencies from our products

