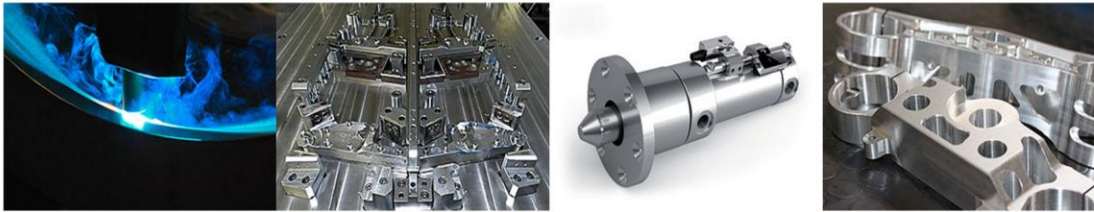




SERVICES

IMG

Italian Mechanics group



Precision mechanics

UNI EN 9100:2009 / UNI EN ISO 9001:2008

- CNC Turning
- CNC Milling
- Prototyping
- Fitting department
- Metrology room

Sheet & Plate metalwork

UNI EN 9100:2009 / UNI EN ISO 9001:2008

- Laser cutting
- HD plasma cutting
- 2D waterjet cutting
- 3D waterjet cutting
- CNC folding
- Calendering

Stamping dies

UNI EN ISO 9001:2008

- Blanking die, progressive die, cupping die
- Metal pressing (cold stamping)
- Wire erosion and surface grinding
- Special tools
- Welding and assembly jigs
- Precision metalwork

Hydraulic components

UNI EN ISO 9001:2008

- Hydraulic power packs and oleodynamic cylinders
- C.P.I. Hydraulic power units
- Compression testing machines

Qualified welding

UNI EN ISO 287 UNI EN ISO 288

- Tig
- Mig Mag
- arc welding
- Submerged-arc welding

Special Treatments

UNI EN 9100:2005 / UNI EN ISO 9001:2008

- Electron beam welding (EBW)
- Plasma spray coating
- HVOF (High Velocity Oxy Fuel)
- Heat treatment
- Vacuum brazing
- Vacuum ovens
- Sandblasting system

COMPANIES

PRECISION MECHANICS

BRUFANI

Brufani Precision Mechanics srl

Via dei Platani N. 34-36
06083 Bastia Umbra (PG)
P.IVA. 01539000545



CERASA MECHANICS

Cerasa Mechanics srl

Viale dei Pini, N.34/35
Zona Industriale
06081 Petrignano d'Assisi (PG)
P.IVA 02845750542

SHEET/PLATE
METALWORK

MAZZOCCHI

laser cut - waterjet - welding - sheet metal work

Mazzocchi srl

Via Liborio Coccetti N.9
06034 Foligno (PG)
P.IVA 03351950542

STAMPIING DIES




Faluomi

MECCANICA DI PRECISIONE

Faluomi srl

Via dei Fiordalisi, N.15
06063 Magione (PG)
P.IVA 02778850541

HYDRAULIC
SYSTEMS



Cicioni

Oleodinamica

Dal 1913

Officina Meccanica

Cicioni Giampaolo s.a.s.

Via Pio Dominici, N.5
06055 Cerqueto di Marsciano (PG)
P IVA 02270340546

PRECISION MECHANICS

BRUFANI

 **CERASA**
MECHANICS



IMG
Italian Mechanics group

Multi-Axis CNC machining centers (3,4 and 5 simultaneous axis machining).

Turning.

-Small diameters: from $\varnothing 20\text{mm}$ to $\varnothing 200\text{mm}$

Length: 500mm

-Medium diameters: from $\varnothing 200\text{mm}$ to $\varnothing 600\text{mm}$

Length: 2000mm

-Big diameters: from $\varnothing 600\text{mm}$ to $\varnothing 1400\text{mm}$

Length: 3200mm

Milling.

-x:600 y:500 z:500

-x:800 y:700 z:600

-x:1000 y:510 z:510

-x:1200 y:550 z:600

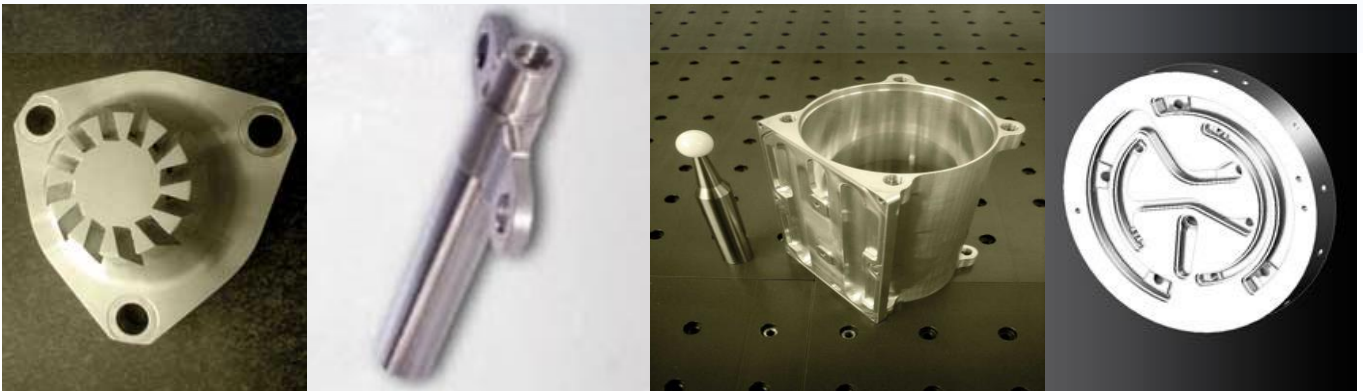
-x:1300 y:650 z:650

-x:3000 y:1000 z:1000



Quality control.

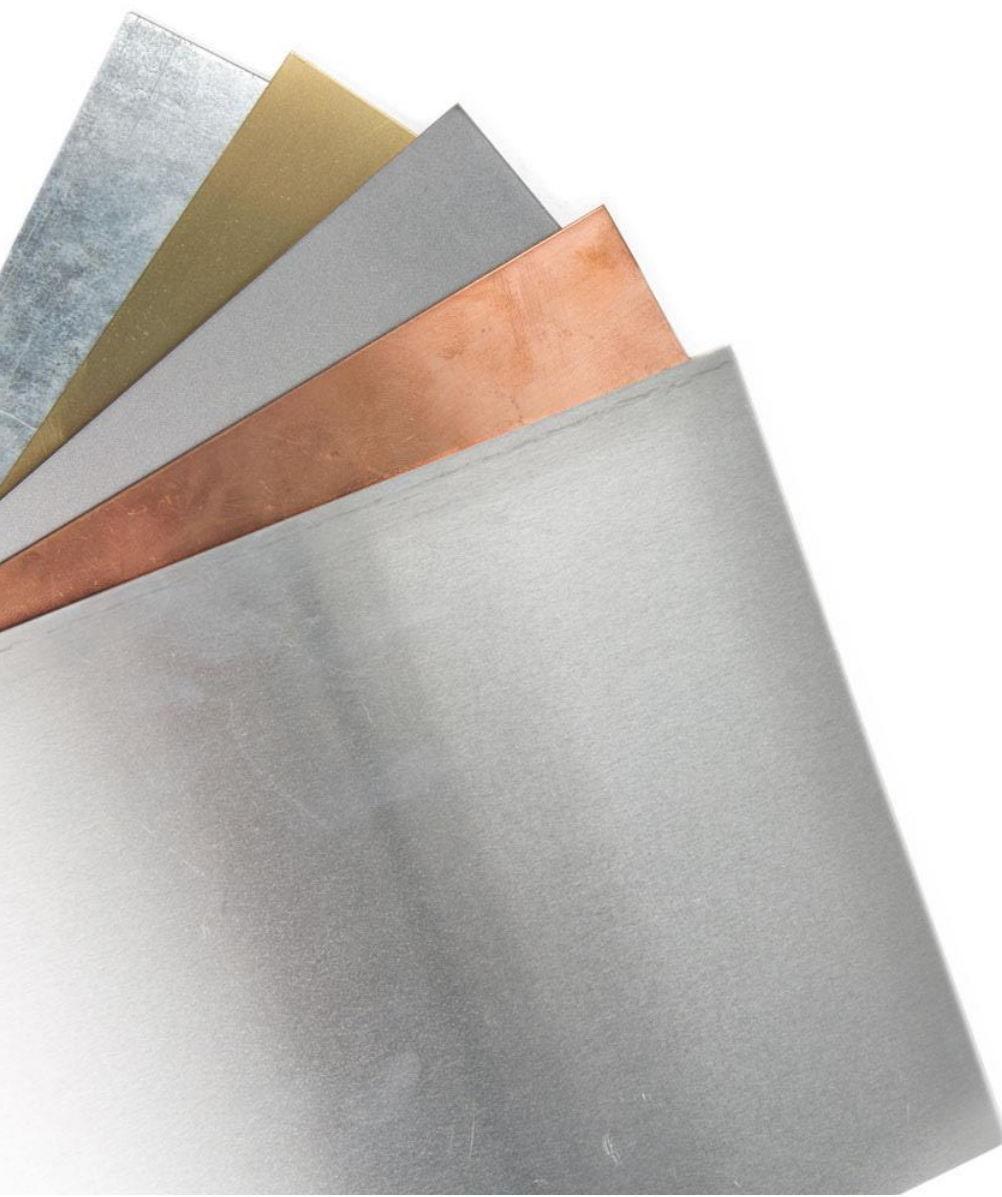
- Integrated EDP system for production process control.
- Prototyping and reverse engineering.
- Reparto aggiustaggio.
- Air-conditioned environment with 3D dimensional inspection machines (dimensions up to 2000x1000x1000mm).
- Precision machinery and equipment complete the entire production chain.



SHEET & PLATE METALWORK

MAZZOCCHI

laser cut - waterjet - welding - sheet metal work



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Cutting.

- Waterjet cutting 3D -Laser cutting
- Waterjet cutting 2D -HD plasma cutting

Thickness:200mm Dimensions:3000x6000mm



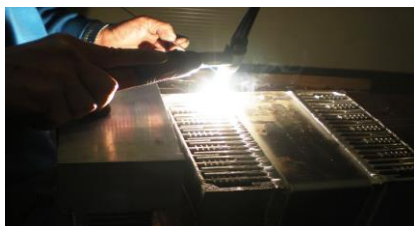
CNC Bending .

- 4 mt x 250 ton
- 3 mt x 100 ton
- 2,5 mt X 60 ton
- Calendering



Certified welding.

- Arc Welding
- Submerged arc welding
- Tig
- Electron beam welding (EBW)
- Mig Mag
- Vacuum brazing



MATERIALI.

CARBON STEEL
STAINLESS STEEL
TITANIUM
INCONEL-HASTELLOY
COPPER
BRASS
BRONZE
ALUMINUM
GLASS
CERAMIC
QUARTZ
STONE-GRANITE
ROLLED
FLAMMABLE MATERIALS

Equipment construction. DESIGN- ENGINEERING-ASSEMBLY

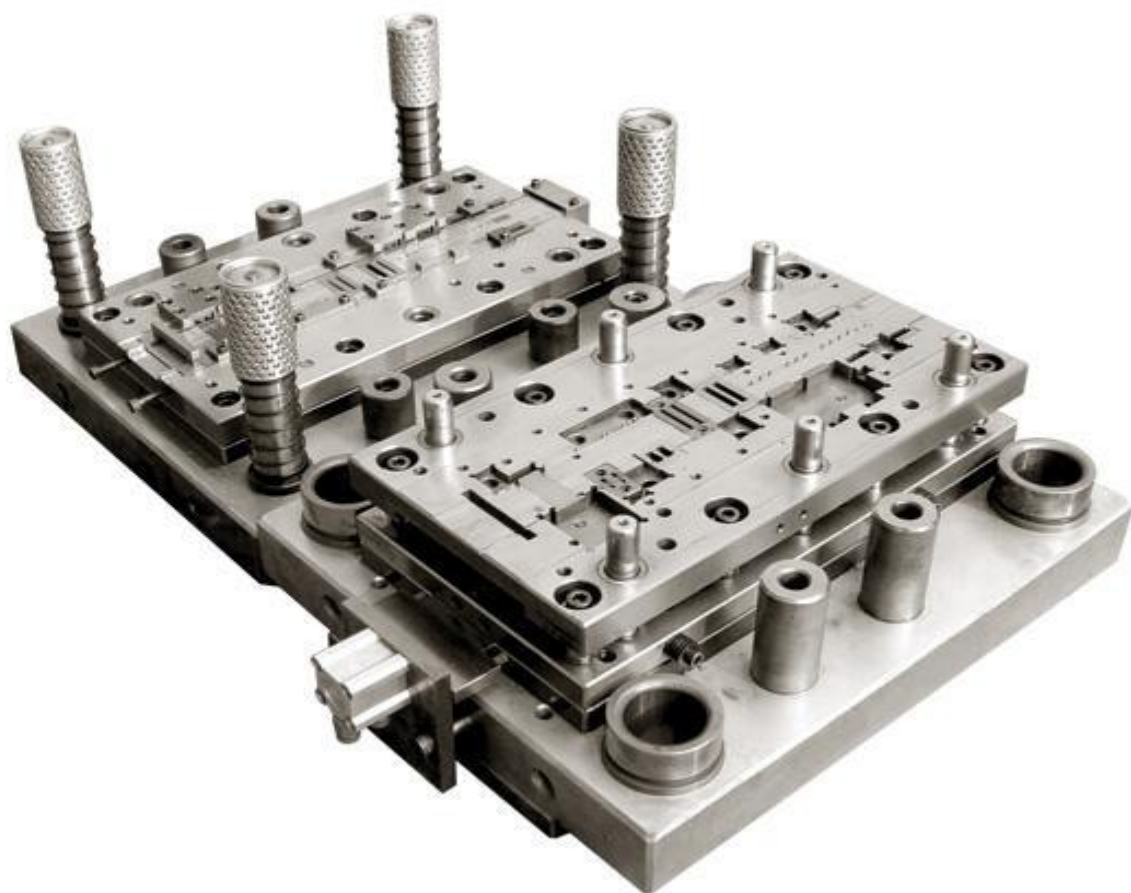


STAMPING DIES



Faluomi

◆ MECCANICA DI PRECISIONE



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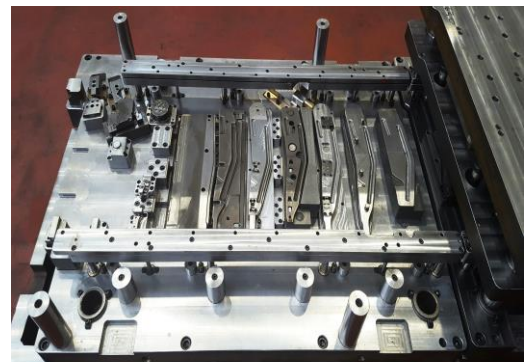
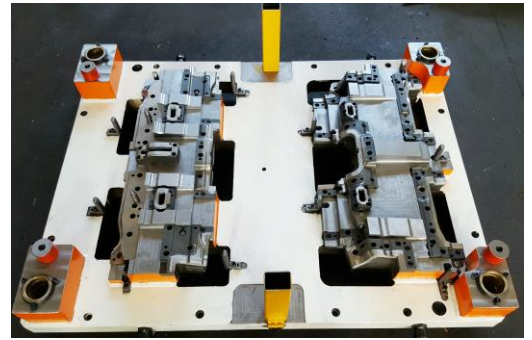
From design to production.

Our products.

- Blanking die
- Progressive die
- Cupping die
- Metal pressing

Other Services.

- Precision metalwork
- Special tools
- Milling
 - Max. dimensions 3000x1400x1500mm
 - 5 Axis milling: max. diameter 900mm
- Wire erosion
 - Max 800x550x510mm
- Surface grinding
 - Max 1200x600mm
- Repair and maintenance



HYDRAULIC SYSTEMS



Dal 1913

Cicioni
Oleodinamica

IMG
Italian Mechanics group

Hydraulic power units.

Hydraulic power unit with internal engine, horizontally mounted modular blocks: 10 litre oil tank,

Hydraulic power unit with 9 duty cycles, 3 which can also be operated with a double acting manual pump. 8,5 litre oil tank.

Hydraulic power unit with 12 V direct current motor; 13,5 litre oil tank; gear flow divider for 4 duty cycles.

Hydraulic power unit with Pam 132 engine, double acting pump and emergency manual pump. Used for concrete mixers.

Hydraulic power unit with 100 litre oil tank. Mainly used for automated systems.



Stainless steel hydraulic cylinders.

Double-acting cylinder, used for simultaneous closing of door locking systems. Installation of position sensors possible.

Two-stage telescopic cylinder with priority extension and retraction. Made of stainless steel; application of position sensors possible. Used for large doors.

Dua-rod stainless steel hydraulic cylinder, made with threaded ends, position sensor-ready and fully inspectable. Tilting cylinder body and rod end eyes with spherical bearings.



Gas springs.

Molla a gas in acciaio inox pre-caricata in azoto, impiegata per facilitare l'apertura di portelli di imbarcazioni, lucernai e porte. Completamente revisionabile e smontabile. Possibilità di realizzare diametri stelo da $\varnothing 8$ mm a $\varnothing 25$ mm e varie tipologie di corsa.



Door locking systems.

Double-acting hydraulic cylinder. Used for door locking applications, offering a high degree of security, and equipped with position sensors. Possibility of producing various types of flanges for both, the mobile and fixed part.



Services.

-Preliminary design study.

-Design, even integrated, of hydraulic systems including supply of hydraulic power units and electrical panels. Custom designs, whether for single batch or mass production.

-Designs developed with 3D solid modelling technology.

-Instruction and maintenance manuals.

-Post-sales support.

