



**MANUFACTURE OF DIE-HOLDERS
DEEP DRILLING
PRECISION MECHANICS**

Family History

1961 - Aldeghi Elio srl was established by Mr ALDEGHI ELIO, who began this activity in his father's stable and then in the garage of his house. At that time, the turning activity focused on building parts for mechanical reducers and cranes.

1971 - Construction of the first real production unit in Olginate, consisting of a 600-square-meter warehouse for the production department and a building with offices and house. Systems were manufactured for the sheet metal, wood and paper sectors, service of multi-spindle lathes and special machines.

1976 - Daniela Aldeghi began her working career in the administrative office.

1978 - Angelo Aldeghi entered the company starting his training in the workshop.

1980 - Construction of a second 600-square-meter production unit next to the existing one with the introduction of new CNC boring and milling machine tools.

1988 - Construction of a third 600-square-meter production unit and the technical office intended for CNC machine tools programming; as well as construction of the fourth 300-square-meter production unit. With the entry of new machine tools, mechanical processing was developed for third parties.

2003 - Daniela's son, Andrea Bottoli, started his experience in the company.

2013 - The fourth production unit was expanded by 400 square meters, for a total of 700 square meters of covered area. Within this new unit, a department dedicated to deep drilling was set up and, at the same time, a new boring/drilling machine with 8 controlled axes - partly designed by Angelo Aldeghi - was added. A new area was also prepared for the ecological treatment of shavings with an innovative system, once again designed by Angelo.

2016 - A new special "Emsil" machine with 9 controlled axes was added to the drilling department.

2019 - A new innovative boring/milling machine with 7 controlled axes - designed by Angelo Aldeghi - was added to the third production unit. To guarantee a better level of quality, the Gom Tritop system is put into operation for the dimensional and geometric certification of the pieces produced.



Innovation and Technology



In our departments we carry out - according to the exact needs of each customer - the manufacture and complete machining of die-holders and precision mechanical machining of various parts for the most diverse sectors.

Precision machining - MILLING, BORING, GRINDING and DEEP DRILLING - is carried out thanks to the use of sophisticated numerically controlled machine tools, managed by our technical office with 5 CAD/CAM workstations. At the end of the production cycle, our Quality Control checks that the piece conforms to the design or to the 3D model thanks also to the Gom Tritop system.

The management of the tools is performed through a centralized warehouse with high-tech profile projector presetting.

Our company uses the most modern and best performing machine tools on the market, some specially modified or equipped with exclusive accessories, so as to meet even the needs of the most demanding customers.

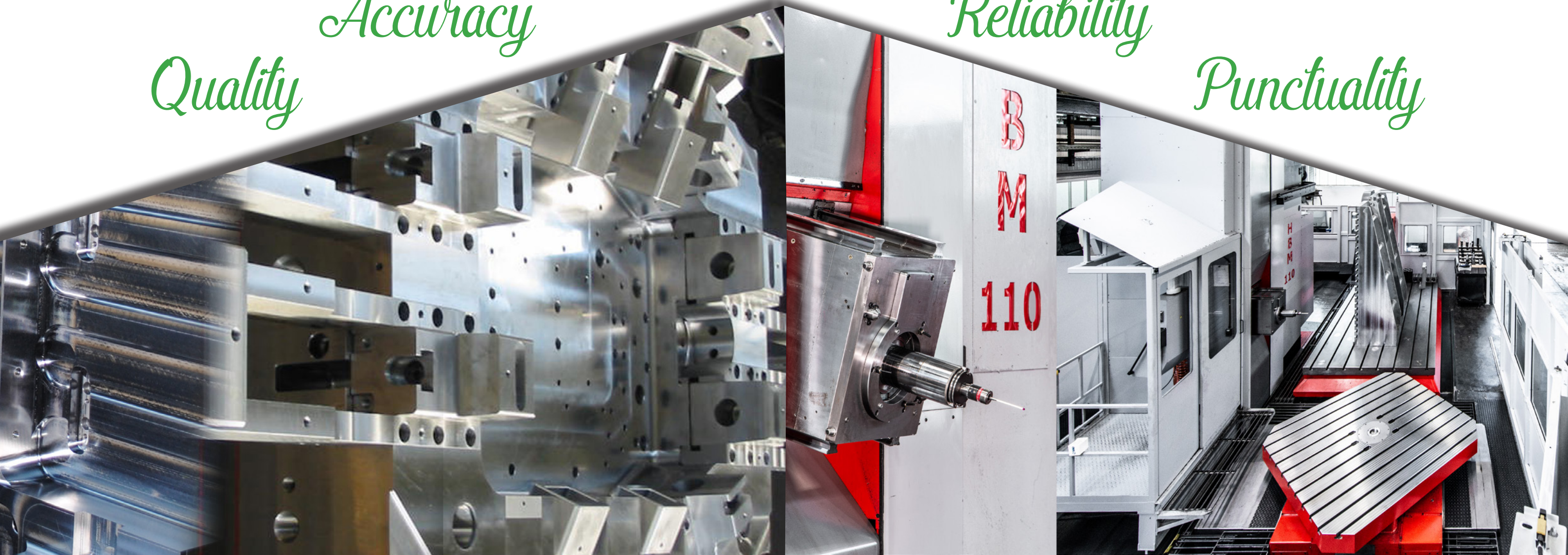
We are a well known and estimated company - both nationally and internationally. Among our most important customers: Peugeot Psa Automobiles s.a. and Daimler AG.

Quality

Accuracy

Reliability

Punctuality





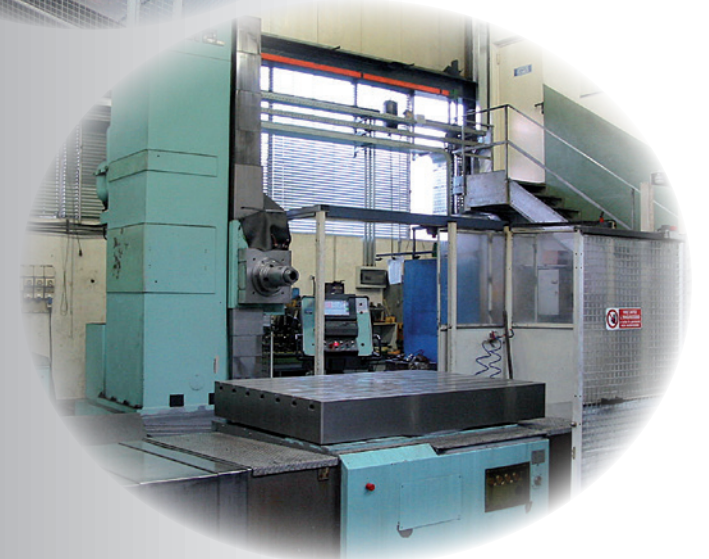
CASTEL RED
cnc Selca 4045
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 3100
Y mm 1800
Z mm 1500
Sleeve ø 130 x 600 mm
Table capacity 15 tons

CASTEL GREEN
cnc Selca 4045
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 2600
Y mm 1500
Z mm 1500
Sleeve ø 100 x 600 mm
Table capacity 5 tons



CASTEL RED
cnc Selca 4045
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 3100
Y mm 2000
Z mm 1500
Sleeve ø 130 x 800 mm
Table capacity 16 tons

CASTEL GREEN RED
cnc Selca 4040D
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 3100
Y mm 2000
Z mm 1500
Sleeve ø 110 x 600 mm
Table capacity 15 tons

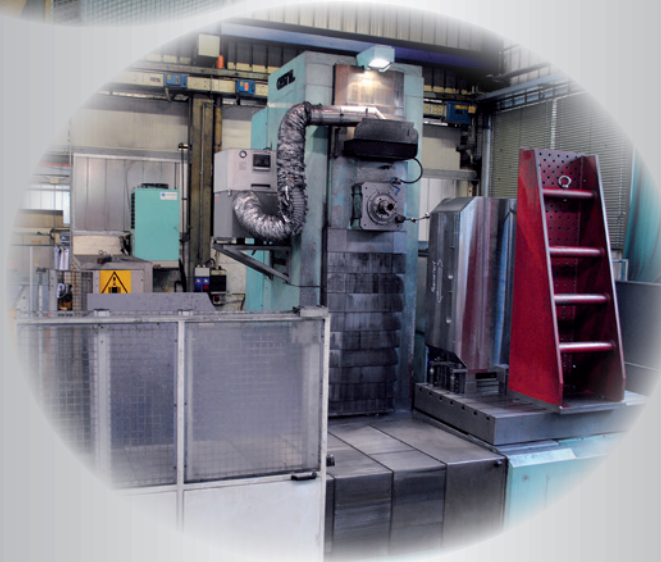


CNC BORING MACHINES



CASTEL RED
cnc Selca 4045
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 3100
Y mm 2000
Z mm 1500
Sleeve ø 130 x 800 mm
Table capacity 16 tons

CASTEL GREEN RED
cnc Selca 4045
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 3100
Y mm 1450
Z mm 1200
Sleeve ø 100 x 600 mm
Table capacity 12 tons



CASTEL RED
cnc Selca 4040GE
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 3100
Y mm 2000
Z mm 1500
Sleeve ø 130 x 800 mm
Table capacity 15 tons

CASTEL GREEN
cnc Selca 4045
5 controlled axes - universal head
Continuous rotary table
Travels: X mm 2600
Y mm 1500
Z mm 1500
Sleeve ø 100 x 600 mm
Table capacity 5 tons



INNOVATIVE MACHINE TOOLS

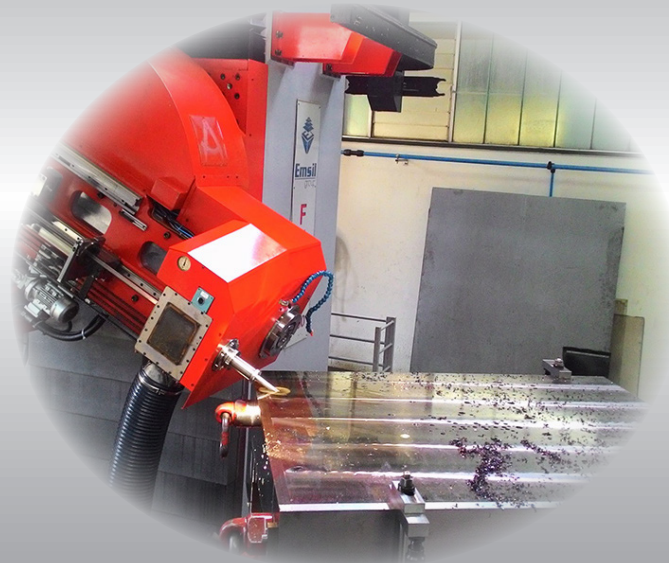


EMSIL HBM 110
5 AXES WITH ELECTROSPINDLE at 24,000 RPM
cnc Heidenhain iTNC 530
 7 controlled axes
 Travels: X mm 6000
 Y mm 2300
 Z mm 800
 Sleeve \varnothing 110 Travel mm 600
 Table capacity 20 Tons
 Transverse travel mm 500
 Angular rotation
 on milling spindle ± 30

EMSIL NARWHAL 1500
BORING - DRILLING MACHINE
cnc Heidenhain iTNC 530
 8 controlled axes
 Drilling hole from \varnothing 6 to \varnothing 40
 Travels: X mm 2500 - Y mm 2000
 Z mm 1000 - U mm 400
 Sleeve \varnothing 130x700 mm
 Table capacity 16 tons
 Drilling depth mm 1500
 Angular rotation on spindles
 Drilling and milling $\pm 35^\circ$
 Continuous rotary table



EMSIL FFMM1600
BORING - DRILLING MACHINE
cnc Heidenhain iTNC 530
 7 controlled axes
 Drilling hole from \varnothing 8 to \varnothing 40
 Travels: X mm 3500 - Y mm 2500
 Z mm 1500
 Sleeve \varnothing 130 travel mm 700
 Drilling depth mm 2000
 Drilling hole from \varnothing 8 to \varnothing 45
 Table capacity 20 tons
 Angular rotation on spindles
 Drilling and milling $\pm 35^\circ$



CNC DRILLING MACHINES



IMSA cnc Selca 3040
 5 assi controllati
 Campo di foratura da \varnothing 6 a \varnothing 25
 Tavola girevole visualizzata
 Corse: X mm 1.100 - Y mm 700
 Z mm 280
 Drilling depth mm 800
 Table capacity 4 tons



CERUTI cnc Selca 3045
 5 controlled axes
 Drilling hole from \varnothing 6 to \varnothing 30
 Displayed rotary table
 Travels: X mm 2200 - Y mm 1000
 Z mm 700
 Drilling depth mm 1400
 Table capacity 14 tons



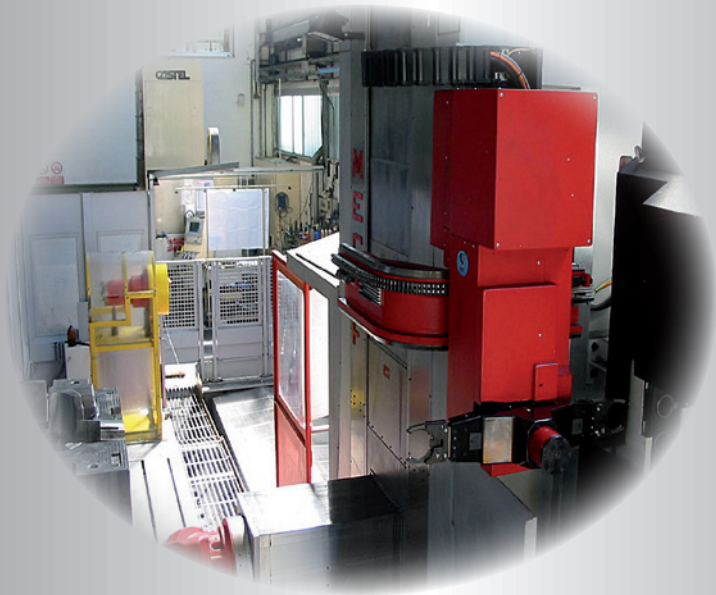
HORIZONTAL SPINDLE GRINDING MACHINES

DELTA Synthesis
 Diatronic cnc NUM
 Travels: X mm 1100 Y mm 600
 Z mm 350
 Table capacity 1000 kg



DELTA Maxy cnc
 3 controlled axes
 Travels: X mm 2000
 Y mm 1000
 Z mm 700
 Table capacity 3 tons



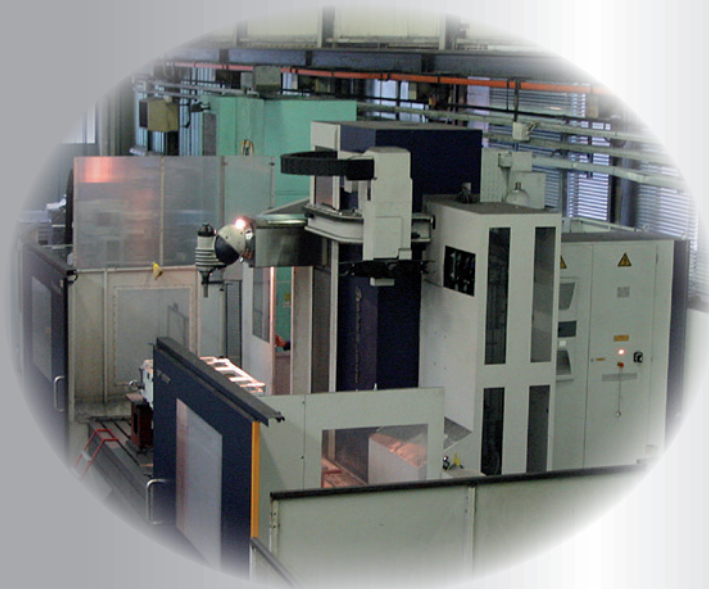


MECOF MECMILL
cnc Selca 4060
Moving column
5 controlled axes
Automatic universal head
(360,000 positions)
Travels: X mm 7000
Y mm 2200
Z mm 1300
Table capacity 16 + 16 tons



SACHMANN T31 4HS
cnc Selca 4045D
5 controlled axes
Automatic universal head
Travels: X mm 3000
Y mm 1500
Z mm 1300
Table capacity 8 tons

CNC MILLING MACHINES



SORA SP 6000
cnc Selca 4045
Moving column
5 controlled axes
Automatic universal head
Travels: X mm 4500
Y mm 2000
Z mm 1200
Table capacity 16 tons



FPT Lem 93L
cnc Selca 4045
Fixed bed
3 controlled axes
Universal head Travels: X mm 3000
Y mm 2000
Z mm 1200
Table capacity 15 tons



FPT Lem 93L
cnc Selca 4045
Fixed bed
3 controlled axes
Universal head
Travels: X mm 2500
Travels: Y mm 2000
Travels: Z mm 1200
Table capacity 15 tons



SORALUCE TS1
cnc Selca 3045
Fixed bed
3 controlled axes
Universal head
Travels: X mm 1500
Y mm 1.000
Z mm 1.000
Table capacity 5 tons

CAD/CAM Programming



Aldeghi has a technical office consisting of 5 constantly updated CAD/CAM workstations capable of developing and implementing the ideas proposed by Customers, prior to feasibility analysis.

During the programming phase for the manufacture of die-holders, we are able to provide 360-degree collaboration with the customer in order to create a customized product, always guaranteeing the highest quality.

Every workstation uses software such as Open Mind and Rtm, with regard to CAD CAM, and PTC Creo Elements and Solid Edge, with regard to 2D and 3D modelling.

These kinds of software have allowed us to refine all our programming and working strategies.

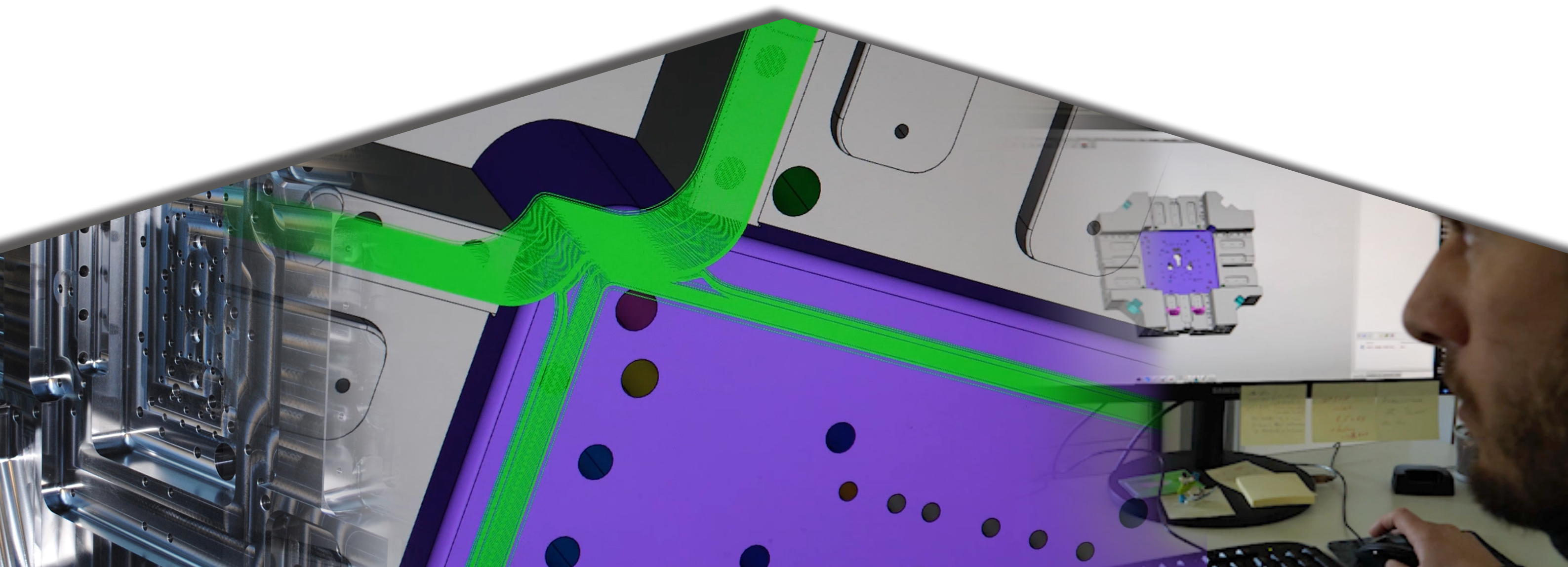
Tool paths are optimized and our finishes are carried out to the highest standard.

Through simulation, we can check for any possible collision during programming, thus transmitting all correct information required for the processes to the operator.

We can work the pieces by just having the 3D model and the related customer's specifications regarding tolerances, with no need for the drawings.

Every machine tool is directly connected to the technical office through a dedicated internal network.

We import almost all formats without any problems.



Quality

**Your satisfaction
is our primary goal!**

Since 1961, Aldegghi has made Quality, Accuracy, Reliability and Punctuality its greatest strengths.

We are specialized in the manufacture of die-holders, in deep drilling and precision mechanics. We manufacture dies and tools for all sectors.

The know-how acquired over the years has allowed Aldegghi Elio srl to achieve ISO 9001 certification since 2000. All internal processes are meticulously monitored by searching for all possible improvement factors.

Every single phase is managed by Factory information system, allowing real-time checking of production processes.



Production planning is constantly updated, thus allowing us to be very reliable in meeting the delivery dates requested by Customers.

Already during working phases, our Quality Control checks the results obtained. At the end of the working cycle, some visual and dimensional checks are performed on processed products with the possibility of having a dimensional and geometric certificate through the photogrammetric Gom Tritop measuring system.

We are sure to provide you with products fully meeting your expectations in the required time.



Green Company

Our company has committed to the Green concept for many years now!

The RESPECT OF the ENVIRONMENT is a fundamental value for us, both as an indispensable element of the quality of our lives and as a duty to future generations.

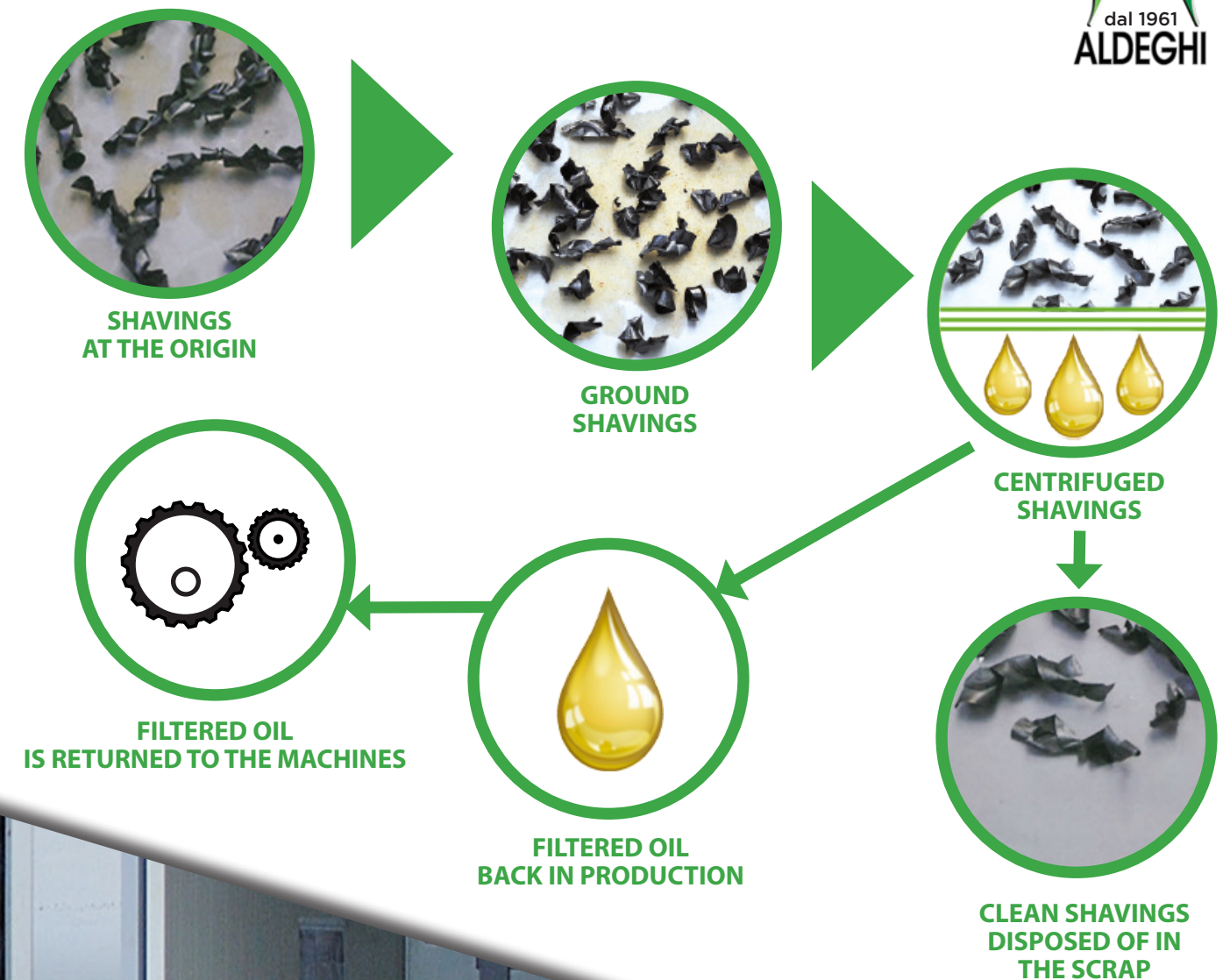
SHAVINGS

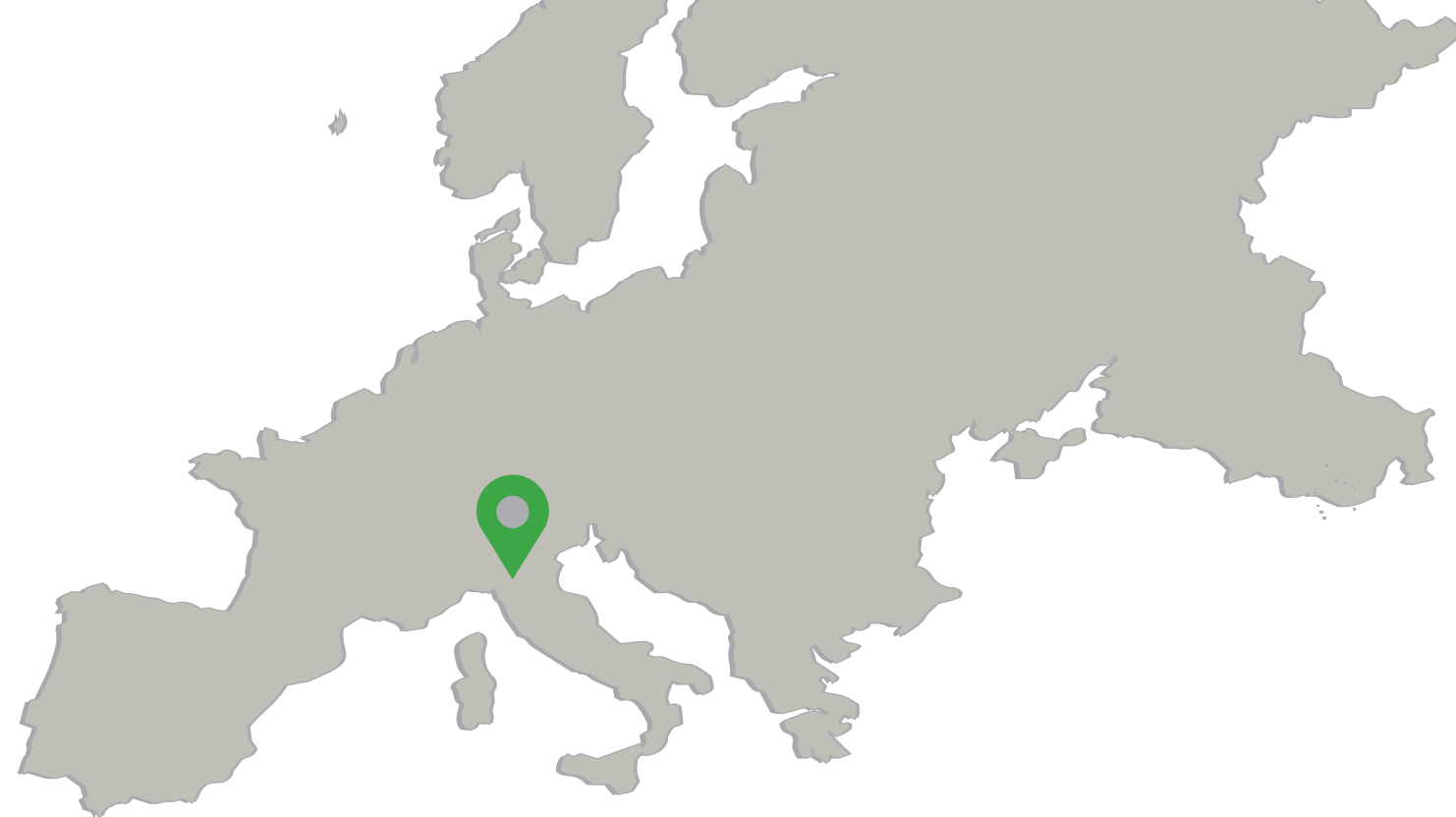
AT THE ORIGIN

This attention translates into a constant commitment to improving the environmental impact of our production activities, in terms of reduction of the consumption of raw materials (recycling production oil) and waste disposal (from special waste to scrap).

Our oil recovery equipment has been a major challenge but also the tangible result of our commitment to environmentally responsible development through a management system that allows us to adopt an environmental policy without limiting the production goals of our company.

Recycling is possible! Aldegghi goes green

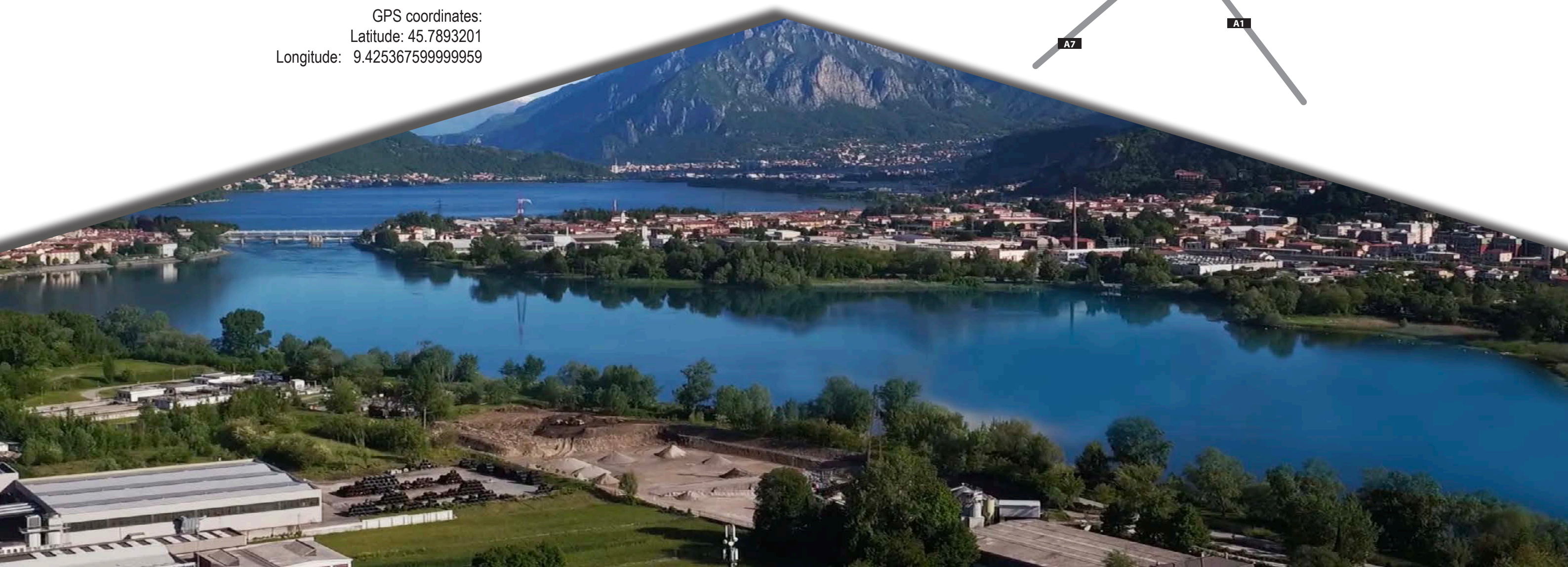


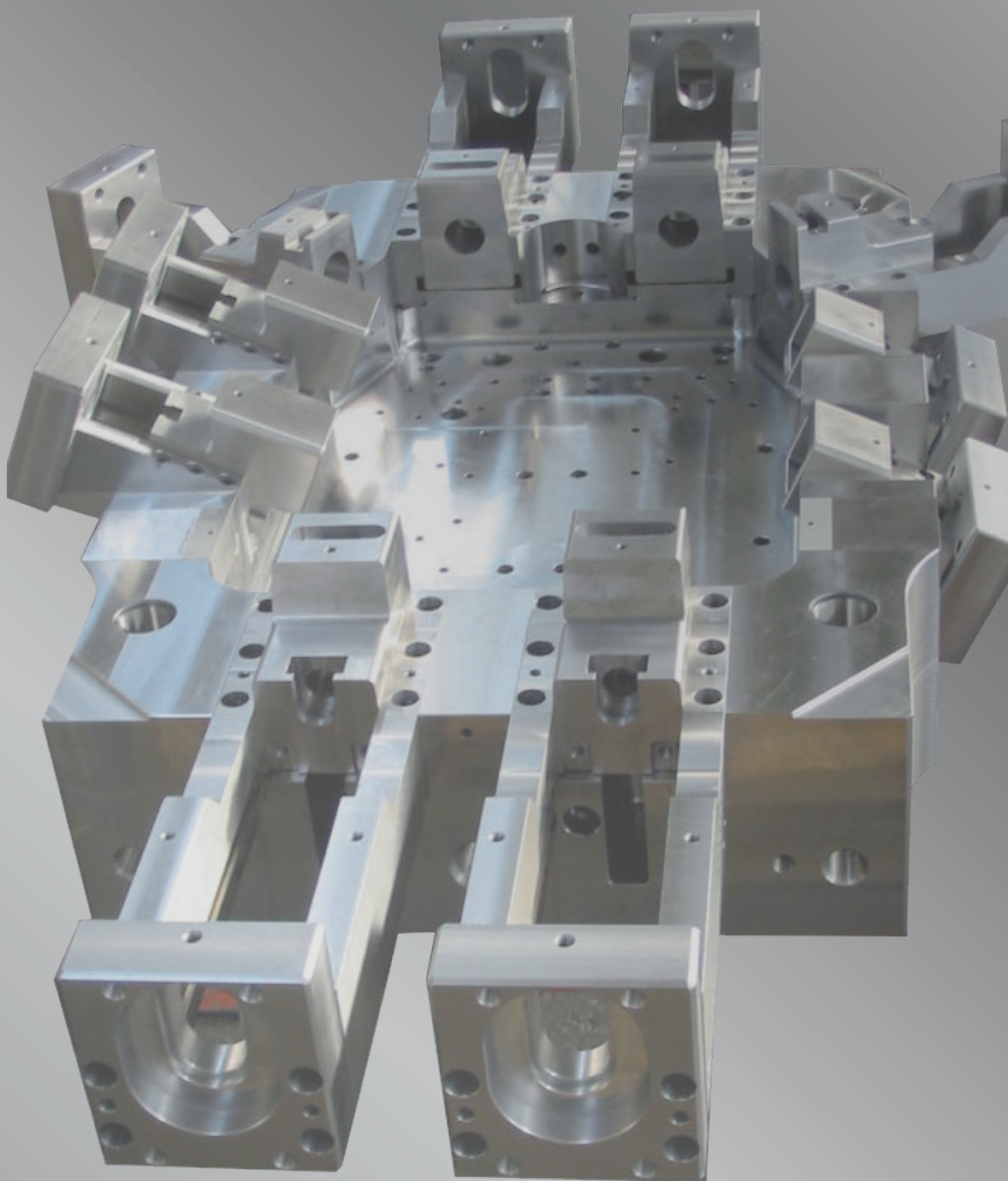


How to reach us

Milano Linate - Olginate = 46 km
Milano Malpensa - Olginate = 80 km
Bergamo Orio al Serio - Olginate = 33.5 km
Como - Olginate = 36 km

GPS coordinates:
Latitude: 45.7893201
Longitude: 9.425367599999959





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