

Numerically controlled machining



◆ Precision mechanics & mass machining

SEMECA manufactures precision mechanical parts in low and medium-volume production lines.

This department focuses on projects that require a particularly high level of precision. With years of experience behind us, we have developed considerable expertise in high-speed machining, from 3 to more than 5 continuous axes. SEMECA produces mechanical parts in low and medium production volumes in a range of materials (aluminium, steel, titanium, etc.)

▶ Our unique selling points

- Turnkey service combining programming with quality control
- Experience and pragmatism
- Collaboration and cooperation with other activities (mechanised welding, assembly, etc.)
- High-speed machining capabilities for a wide range of materials

◆ Programming - methodology

SEMECA's programming – methodology unit develops the production ranges and manufacturing programmes for the mechanical parts or tools that it produces using CATIA, a simulation tool.

▶ Our unique selling points

- Updating external programmes and reindustrialising parts
- Simplified training directly on the machines
- Programming on CATIA V4/V5 and the simulation tool VERICUT®
- DNC system to manage our programmes
- Constant monitoring of developments in terms of cutting work
- Generation and optimisation of our post-processors on IMS

>> Our clients

Our range of applications for numerical control machining and programming - methodology covers the following areas: **aviation, railways, industrial equipment, plumbing fixtures, plastics, etc.**



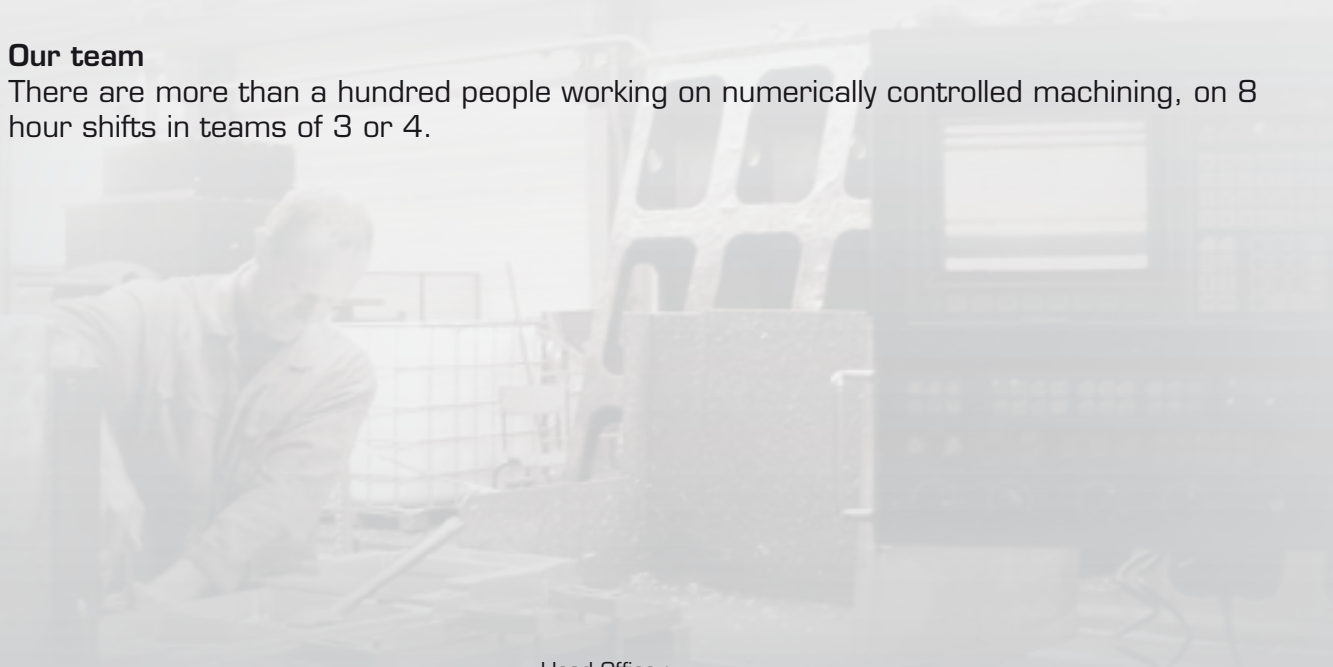
Our resources

Our machinery

- High-speed CNC machining with 5 axes, small and large-volume production capacity (up to 3 m):
 - HURON KX 100, KX 200 machines
- High-speed CNC machining with 3 to 5 axes, small and medium-volume production capacity:
 - HURON KX 30, KX 10 FIVE, VX6 machines
- CNC machining with 3 to 5 axes, large-volume production capacity (up to 12 m)
 - ZAYER 12000, ZAYER 4000, ZAYER 3000 machines
 - SORALUCE 6 m, FOREST V1 machines
 - 3 pin 5 axle CINCINNATI CTS machines
- Various 3 and 4 axle small-volume (< 6m) CNC machining centres
 - MORI SEIKI 8 pallet machines
 - BRIDGEPORT 520, OKUMA 4VA and 6VA machines
- Various CNC turning centres with 2 and 3 axes, small-scale
 - MORI SEIKI NT, MAZAK QTN250, SOMAB TRANSMAB machines
- Semi-automatic programmable turning centres, small and medium-scale
 - CAZENEUVE machines
- Other methods available via our subsidiaries
 - CNC CSF tower, 6 m between centres, 1.5 m diameter
 - CNC milling machine VEGAMILL (4 x 2 m)

Our team

There are more than a hundred people working on numerically controlled machining, on 8 hour shifts in teams of 3 or 4.



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