



Tecnospazio

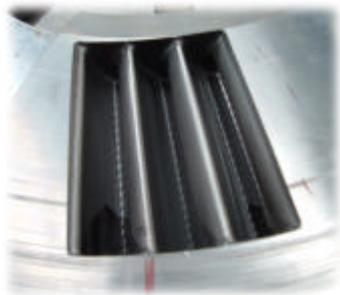
di V. DI FRANCO & C. snc

Engineering and manufacture of mechanical components on 5-axes machine tools
High-precision workshop and metrology lab, air-conditioned to $20^{\circ} \pm 0.5^{\circ}$
Headquarters and plant: Zona Ind.le S. Nicola – 85025 Melfi (Pz) ITALY - ☎ 0972/762046

The company

At Tecnospazio, we produce mechanical components with a maximum diameter of up to 2500mm using machine tools with as many as 5 axes. A sophisticated information system supports our manufacturing team, ensuring that production processes comply with an UG mathematic model.

Mechanical machining is aided by a sophisticated CAM and simulation system, enabling us to manufacture complex-geometry prototypes, such as workparts which are to be produced from a solid block.



Engineering

The engineering process comprises:

- ✓ the realisation of a Unigraphics mathematic model
- ✓ the study of the right cutting methods
- ✓ the design of the required equipment
- ✓ the study of commercial and special tooling
- ✓ the simulation of high-tech manufacturing

Production

Our organisation is ideally suited to the study and design of complex-geometry prototypes (manufactured from a solid block) and to the production of:

- ✓ high-precision aeronautical components manufactured in an aseptic laboratory at controlled temperatures ($20^{\circ} \pm 0.5^{\circ}$);
- ✓ rotative components such as rings, diaphragms, three-dimensional impellers, pallet discs, spacers, etc.



Metrology

We perform metrological inspection in an air-conditioned laboratory, where all measuring instruments and calibrated plug gauges are kept.

Form errors are measured on a three-dimensional continuous scanning machine with a maximum permissible error of 0.0013mm along a linear distance of 600mm.