

Complex MANUFACTURING



Titanium Manifold - Build-to-Print - Airbus A380
Designed by Messier-Bugatti - France

Build-to-Print

Complex MANUFACTURING

Outsource to Marotta

*Precision Manufacturing Built to Your Drawings
and Specifications*

Marotta's manufacturing facility reflects a continual commitment to maintain advanced, modern and efficient machining equipment. CNC equipment, machining centers and Computer Aided Manufacturing are critical elements to the continued success of our manufacturing methods.

Our machining expertise is evidenced by the company's ability to produce large as well as small quantities of precision manifolds, valves, seats and plungers, without the need to assemble matched sets of parts.

Our manufacturing facility is staffed with skilled craftsmen. Continual training and education is provided to further enhance our employees' knowledge and performance.



MAROTTA

COMPLEX / MANUFACTURING



Fabricated, fully tested and ready to install, precision components built to your drawings and specifications.

Superior Surface Finishes

Marotta has developed unique proprietary methods and processes to attain superior finishes on various metal and plastic surfaces such as valve seats, plungers, poppets and the internal surfaces of valve bodies. This extraordinary technology enables Marotta to lead the industry in reliability, durability and the operational life of products. This expertise can easily be applied to many other products and technologies requiring these unique capabilities.

Specialized Tooling

The design, development, and fabrication of tooling for Marotta's product manufacturing process is a state-of-the-art endeavor. The precision tolerances and exacting concentricities of valve components and bodies are critical parameters that Marotta has solved through exact tooling. Marotta's hard tooling components are precision instruments designed for specific machining processes, assuring constant repeatability, item after item.

Manufacturing Engineering

Marotta uses Computer Aided Design and Computer Aided Manufacturing (CAD/CAM) in its manufacturing process. CAM is employed to create the CNC programs for the machining centers and to provide step-by-step tool sequences, paths and movements. CAM aids the programmer significantly in his efforts to develop and proof complete CNC programs prior to actual implementation at the work center level. CAD is also used to design and develop specialized tools and fixtures to support the manufacturing process. Marotta designs and manufactures all of its own specialized tools, jigs and fixtures for the manufacturing process.

Equipment List

2	Mori Seiki Super Miller 400	5 axis CNC machining cell
2	Mori Seiki MH503	5 axis horizontal CNC machining center
1	Mori Seiki ZT1500YB	5 axis CNC turning center w/ bar feeder
1	Treosan DS300/70C	5 axis horizontal CNC machining center
1	Hitachi Seiki HG500	5 axis horizontal CNC machining center
1	Haas HS1RP	Horizontal CNC machining center
1	Cincinnati Cimx Changer	Horizontal CNC machining center
2	Cincinnati Milacron Lancer	Vertical CNC machining centers
1	Bridgeport Toro Cut TC3G	Vertical CNC machining center
1	Okuma LU35	4 axis CNC turning center
1	Okuma LU45	4 axis CNC turning center
1	Hitachi Seiki HT25D	4 axis CNC turning center
1	Hitachi Seiki HT25D	4 axis CNC turning center w/LNS bar feeder
1	Hardinge T51	5 axis CNC turning center
1	Hardinge Conquest GT	CNC turning center w/live tooling
1	Bridgeport ROMI	15" CNC manual engine lathe
1	Mori Seiki NV5000	Vertical machining center