



Brandt

Fijnmechanische Industrie b.v.

V I S I O N O N P R E C I S I O N

From prototype to
serial production



Specialists in high-quality precision products



Brandt Finemechanical Industry, and its subsidiary Dinfa Precision Parts, is a state of the art Dutch subcontractor for (complex) mechanical parts and assemblies (also mechatronica). With their mission "Vision on Precision", the company's prime focus is on high precision components.

Brandt Finemechanical Industry, in short Brandt FMI, is specialized in single and serial production of high-quality precision products. This specialization can be found throughout the organisation, from management up to production. The facility includes a fully conditioned first-class production facility, high-tech machinery, partly excessively automated, a certified quality system, 3D measurement facilities and possibilities for sub-assemblies. Brandt FMI offers their customers the possibility to machine high-quality precision products, based on a just-in-time delivery principle, for a competitive price.



Brandt FMI is a partner in the Ariane 5 space program for many years now.

V I S I O N O N



Think ahead in the development stage

With a history of more than hundred years in manufacturing prototypes and single precision parts, complex geometrics, and exotic or composite materials, extreme high tolerances are still a challenge for the experts of Brandt FMI. That their knowledge is often an important role by the development of a new product, appears from the fact that Brandt FMI is often involved in the early design stage of the development process. This is not limited to the manufacturing of prototypes in a short notice, but also to modify the current product design in order to machine it in the most efficient production method, using the latest 3D CAD/CAM systems.

A permanent group of Engineering companies is an essential part of the network of Brandt FMI. Dedicated design expertise for the Aerospace industry, medical industry and machine construction is available on a project-to-project basis.

Quality Supplier

Brandt FMI has always been very committed toward quality control. The company has been ISO-certified (ISO 9001:2000) since 1983 and is constantly adjusting their procedures to meet the most strict international requirements for the Aerospace and Defense industry. A number of employees have been trained by Boeing in the field of Lean Manufacturing and Quality Control. Combined with the AS/EN/9100 qualification for the Aerospace industry, Brandt belongs to the select group of Quality suppliers in Holland.



Detailed measuring reporting system with high quality measuring-machine in separately conditioned areas

P R E C I S I O N



Brandt



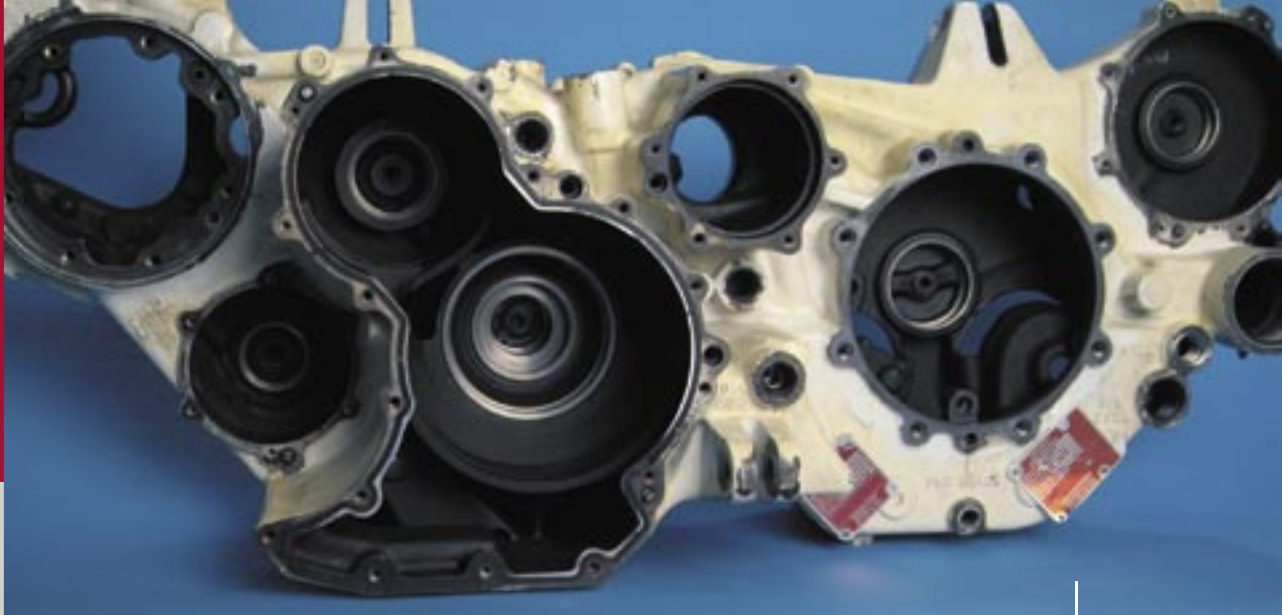
From zero to serial production

In the past, the main activity for Brandt FMI was on Production Engineering, Prototyping and the production of 0-series. Recently, Brandt FMI has expanded her services with serial production at their new facility in Almere, (near Amsterdam) using state-of-the-art machines. These unique machines allow Brandt FMI to produce parts in cost effective way, independent of the batch size.



In order to achieve this high level of flexibility, Brandt FMI has installed two Flexible Production Systems (FMS). These automated process-cells have been connected to fully automatic pallet-pool systems, in which material is mounted on various type of fixtures. This approach allows Brandt FMI to be competitive from prototyping up to large serial production, while maintaining the possibility for the customer to make modifications during the entire order period. Brandt FMI is one of the few companies to provide this type of a service.





Maintenance, Repair and Overhaul

Maintenance, Repair and Overhaul of high-precision parts, for the aircraft and aerospace industry is another key activity of Brandt FMI. It requires an organisation and machine park fully adjusted to this task. Brandt FMI is capable to perform such a work in conformance with the strict regulations, thanks to its historical specialism of precision manufacturing and their AS/EN/9100 certification.



Assembling and testing

Assembling of separate components to complete modules is another service of Brandt FMI that fits perfectly with the further development of 0-series and the serial production. The engineers from Brandt FMI will take in consideration the assembly-requirements during the development process. The modules can also be tested, after assembling, at their facility. Brandt FMI has it's own test- and cleanroom facilities for this type of work (class 10.000/1000).



Brandt FMI offers complete solutions in the field of machining precision parts in combination with co-engineering, single and serial production, MRO, assembly and testing. For this reason Brandt FMI is a very attractive partner for the more complex type of machining work. Clients from Brandt FMI varies from machines for medical application industry, the semiconductor industry, process industry, specialized machine construction, automotive, defense industry, aircraft and aerospace industry. A long-term business relationship has been build with many of their key accounts.

The quality standard of Brandt FMI

- Precision and complex machining either single parts or serial production, using for instance Dixi, OKK, Okuma, Mori-Seiki and Hermle lathes and machinecenters in complete conditioned production areas.
- Highly accurate flat-, round- and coordinating-grinding machines (Hauser).
- Quality standards according to ISO 9001-2000, AS/EN9100 standard (aerospace industry), and Boeing Quality Center of Excellence program.
- Detailed measuring reporting system with high quality measuring-machine in separately conditioned areas.
- 3D CAD/CAM CNC-programming

Long history in precision products



- Started in 1887 as a manufacture-, house- and heater forge
- Grown to a machine factory in Amsterdam, in 1900.
- Name change in Brandt Motor Products after take over by Chr. H. Brandt in 1945.
- Specialization in the manufacturing of precision products in the fifties.
- Focus on precision under the name of Brandt Finemechanical Industry (BFMI) in 1969.
- Purchase of the first CNC-controlled machines in 1977.
- In 1983 certified according to ISO 9002 as fourth Dutch supplier.
- Introduction of a 6-axis Hauser coordinate grinding-machine in 1987.
- Start of an extensive investment program around 2000.
- New facility build in Almere 2002.
- Acquired Hevan and Dinfa Precision Parts in 2003.
- Expansion to serial production.
- Production facility of Dinfa Precision Parts integrated into the production facility of Brandt FMI in Almere 2005.
- Completed Boeing Quality Center of Excellence training program in 2005.



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FIJNMECHANISCHE INDUSTRIE B.V.



DINFA PRECISION PARTS

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