

TopSolid Case Study

Brandt Fijnmechanische Industrie B.V.

Company information

Started:	1887
Staff:	40
Products:	Complex precision parts and assemblies
Equipment:	2x Mori Seiki SH403 Hor. 400x400 1x OKK HM40 Hor. 400x400 1x DIXI 100 Hor. 400x400 2x Mori Seiki MH40 Hor. 400x400 1x Hermle C800U 5-axes 1x Deckel DMU 80 5-axes 1x OKK PG8 5-axes 1x Okuma LB300 1x Okuma LB200 1x Okuma LB15 1x Nakamura NTY3 11-axes



Website: www.brandtfmi.nl

TopSolid

Users:	1
Modules:	TopSolid' Cam 2,5D and 3D TopSolid' Cam 4+5-axis

Advantages of TopSolid

- User-friendly CAD/CAM-software
- Reliable, integrated machine simulation
- Solution-specific support of the Bemet help desk

User comment

"We are able to carry out a machine simulation in TopSolid to discover possible collisions or other disruption beforehand. So all failures can be solved before production actually starts."

"The machine simulation is very important for us, because our machinery should keep running without intervention of employees. We are very satisfied with TopSolid."

Mr H.A. Hoek - managing director

Brandt Fijnmechanische Industrie B.V.

Brandt FMI started in 1887 as a manufacture-, house- and heater-forge. In 1900 the company grew to a machine factory in Amsterdam and it specialized in the manufacturing of precision products in the fifties. Nowadays Brandt FMI is a state of the art Dutch subcontractor for (complex) mechanical parts and assemblies (also mechatronica). "We manufacture single and serial production as well as prototypes. With our mission 'Vision on Precision', we primary focus on high precision components."



Brandt FMI is supplier for among other things the aviation and aerospace sector. They are among the first Dutch supplier to be certified for the AS 9100 certificate for the international aviation industry. This means that Brandt FMI complies with the highest industry standard for aircraft construction in Europe and America.

The company has a modern machinery for turning, milling, coordinates drilling, grinding and honing. Part of the machinery, among which two palletpool systems with 180 tools each, has been equipped for unmanned serial production. Now Brandt FMI



is able to manufacture unmanned for 24 hours a day till six days a week. "To manage the unmanned production, we uses TopSolid CAD/CAM software for offline machine programming and ERP software Plan-de-CAMPagne for administrating the total (logistical) proces."

Demand and wishes

- Machine simulation capacity
- User-friendly software
- Service-oriented organization

Shortlist suppliers

"We got the order to manufacture 18 parts for the JSF. Because our CAD/CAM software (Cimatron) did not have the 5-axes module needed for the production of these aircraft parts, we looked for another CAD/CAM system with more functionalities regarding 5-axes simultaneous machining."

"We have compared 3 packages: hyperMILL, Unigraphics en TopSolid. The good service and the well-known reputation of Bemet were decisive to choose for TopSolid of Bemet."

Implementation TopSolid

The implementation process went smoothly. Within two months TopSolid was installed and the employees were trained.

"Thanks to the well-organized implementation, we could immediately get to work with TopSolid."



TopSolid



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