



BLUMENBECKER

WE DELIVER SOLUTIONS

AUTOMATION TECHNOLOGY ENGINEERING **INDUSTRIAL TRADE** INDUSTRIAL SERVICE TECHNICS

REFERENCE

Tooling machines | cutting

Supply of a combination machine for water-jet cutting and plasma cutting



CLIENT::



BRANNEKEMPER
Metallgestaltung

Franz Brannekemper GmbH
Damaschkestraße 10
59557 Lippstadt

PROJECT COMPLETED BY:

Blumenbecker Industriebedarf GmbH
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COMMISSION:

Specify, supply and commission a combination cutting machine

Execution: 2015

COMPLETE SERVICE FOR TOOLING MACHINES

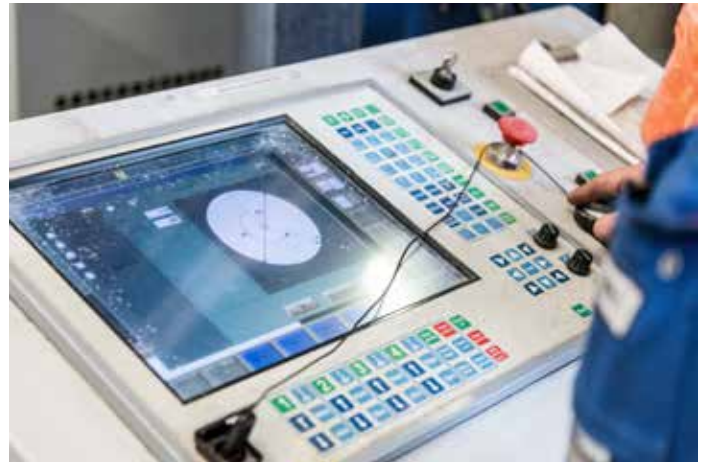
Whether it's individual parts or complete machines, we can supply the right precision solutions for the manufacturing industry. As your system partner for tooling machines and metal cutting technology we can offer everything from customised machinery to measuring equipment. Our system solutions are tailored exactly to match your requirements. For you this means shorter machining times and greater efficiency.

FRANZ BRANNEKEMPER GMBH THE COMMISSION

■ Franz Brannekemper GmbH, which is based in Lippstadt in southern Westphalia, is a medium-sized metalworking firm with a company history that goes back some 60 years. The firm produces metalwork, forgings and stainless steel components and also manufactures industrial doors and door systems. The Lippstadt workforce of just over 30 produces balustrades, window grills, doors, gates, fences, stairs, roofs and steel and stainless steel items for the home and garden.

■ The company only had a nibbler capable of working metals up to a maximum thickness of two millimetres. The firm's workload required a new machine that could cut materials more than 100 millimetres thick.





» The WaterJET Combo has not just made us more productive but has also meant that we are well equipped for multi-shift operation.«

Peter Brannekemper, company owner Franz Brannekemper GmbH

PROJECT SCOPE

Technology plays a major role when it comes to high-quality, efficient metal working. The Eckert WaterJET Combo combines water jet and plasma cutting and is suitable for working a variety of metals and materials, including steel, glass, stone, ceramics, and rubber. Its great advantage is that the two cutting methods can be used either in tandem or individually.

Water jet cutting is mainly used when extreme precision and thin or fine materials are involved and this technique is very precise, but slow. Combining it with the plasma cutting unit makes it possible to cut very fine structures with water and others with plasma, which means working at a much higher speed. The programming system predetermines which cutting method will be used.

Blumenbecker's Lippstadt branch was able to collaborate with their colleagues at Industriebedarf's Munster office, which is also the group's main machine-tool centre. After a careful examination of the customer's requirements the two Blumenbecker offices worked closely with the manufacturer to draw up precise specifications for the machine, which was subsequently built to the exact scale required.

TECHNICAL DETAILS

Machine: Eckert WaterJET Combo CNC cutting system

Machine bed: length 7000 mm, width 3000 mm

Overall length: length of cutting area +2800 mm

Overall width: width of cutting area +300 mm

Height (cutting supports): approx. 855 mm

Height (cutting table): approx. 970 mm

Components:

Water table, drive and guide system, portal, cutting head, anti-collision device, abrasive feed system, abrasive container, abrasive dispenser, high-pressure fittings, high-pressure pump, plasma cutter support with arc height regulation, plasma cutting unit, CNC controls, sub-water cutting table with scraper chain conveyor, pneumatic level adjustment, software

WE LOOK FORWARD TO
HEARING FROM YOU.