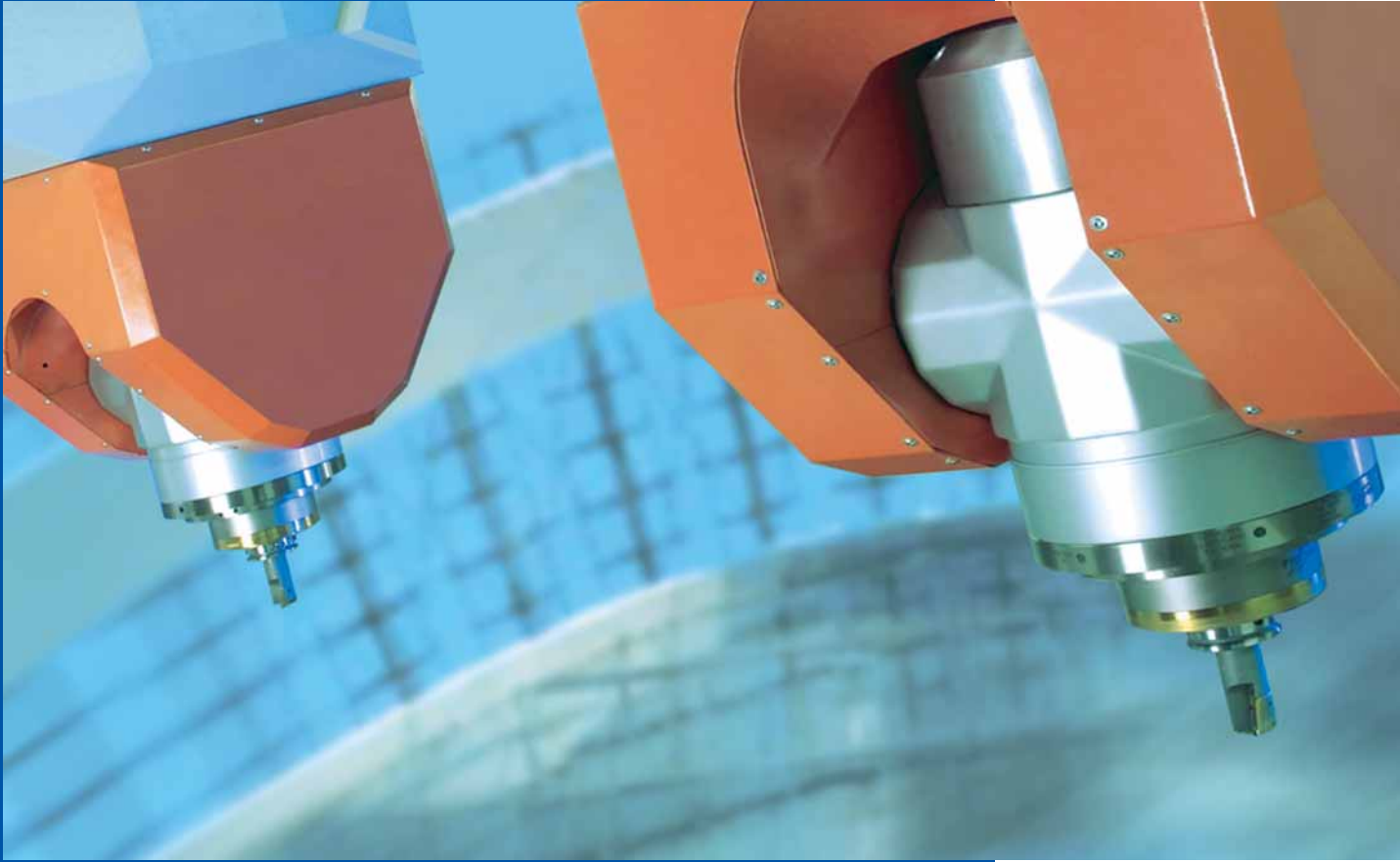


Handtmann: The Cutting Experts



GANTRY® Universal Machining Centres

handtmann
Ideas for the future.



GANTRY® RS

Economic Dynamics in a compact format!

Handtmann GANTRY® RS:



Machining dynamically.

Producing economically.

Highly dynamic thanks to the state of the art rack and pinion drives and compact construction, the GANTRY® RS sets benchmarks for efficiency with minimum operating costs. Built with our modular construction technique, numerous options are also available with this HSC centre.



Convincing advantages:

- Compact sizes and high dynamics for low operating costs.
- Optimal use of the table surface as a result of the eccentrically attached spindle.
- Basic construction made from a weldment with epoxy concrete filling: high rigidity for high precision.



HSC suitable for composite materials.



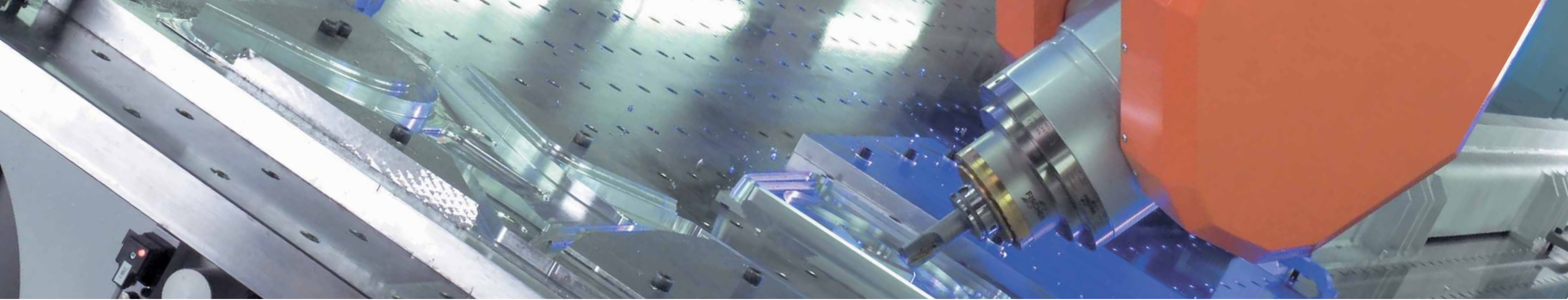
Integrated evacuation units for composite powder and chip conveyors.



Compact machine design.



Precise machining of aluminum.



GANTRY® VS

*High flexibility
through modular system solutions!*

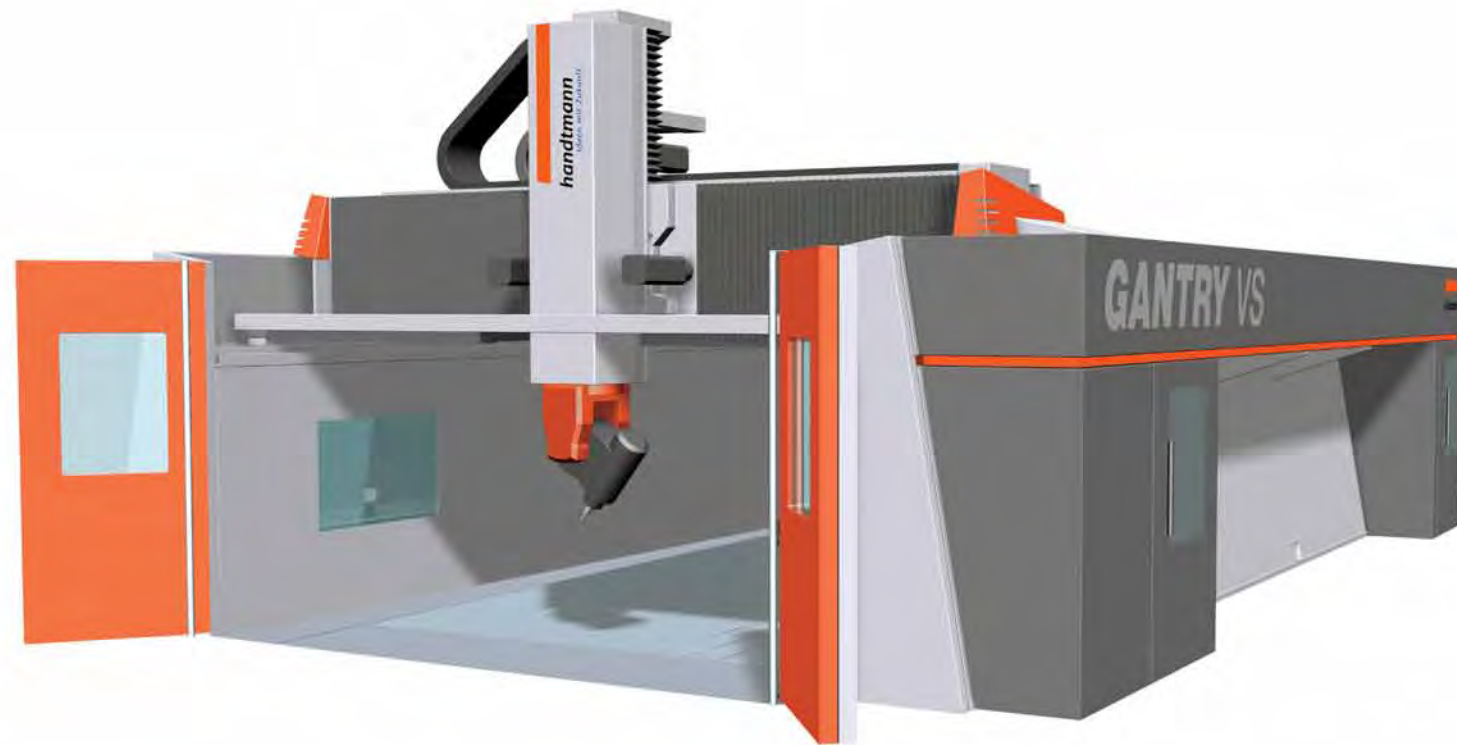
Handtmann GANTRY® VS:



Machining flexibly.

Producing economically.

Specifically designed for the machining of light metal, plastics and composite, the GANTRY® VS is performing for dynamic, speed and flexibility. Intelligent solutions in clamping technology and evacuation units guarantee an efficient and secure machining process.



Automatic tool changer.



Machining of aluminum plates.

Convincing advantages:

- Completely closed work zone for composite machining.
- Optional evacuation unit in the work zone and on the spindle.
- Highly flexible CNC-controlled clamping systems.



Highly flexible CNC-controlled clamping system.



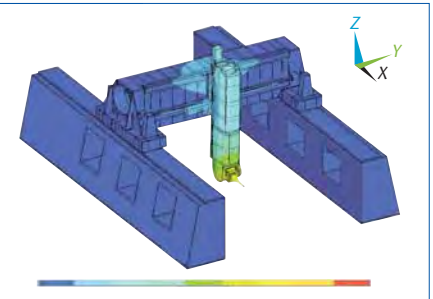
Machining of plastics and composites.



	GANTRY® RS	GANTRY® VS	GANTRY® CS	GANTRY® TS
Axis travels				
X-axis [mm]	2000, 6000	2800	individual	individual
Y-axis [mm]	1600, 2600	1600, 2600, 3500, 4500	max. 6700	2x2250, 2x4200
Z-axis [mm]	800, 1000	800, 1000 to 3000	1000, 1200, 1500, 2000, 2200	1000, 1200, 1500, 2000
Guide rail distance Y-axis [mm]	700	700, 1000	1200	1200
Table sizes				
Length [mm]	2500, 6000	max. 47000	max. 47000	max. 47000
Width [mm]	2000, 3000	max. 5000	max. 7000	max. 7000
Rack and pinion drive				
X/Y/Z-axis [m/min]	max. 70/70/55	max. 70/70/55	max. 50/50/30	max. 50/50/30
Controls	Heidenhain iTNC 530, Siemens 840 D, Fanuc 310 i-A5			
Options	Chip conveyors, evacuation units in the work zone and on the spindle, internal coolant supply through spindle, tool laser measurement, radio wave-probe, tool magazines up to 1000 places, vacuum tables, clamping systems, minimal mist lubrication, flood cooling system.			

Handtmann.
GANTRY® Technologies.
 Highest precision, dynamics and industrial safety are the decisive factors in high tech machine construction.

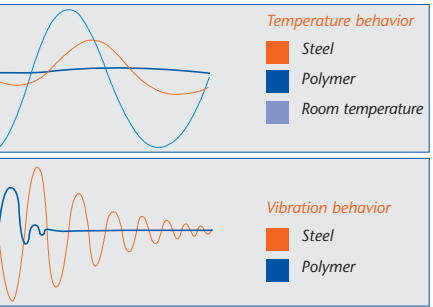
With the Handtmann GANTRY® universal machining centres in high-performance High Rail design, assures you have made the right investment on any of our exceptional Handtmann GANTRY®'s.



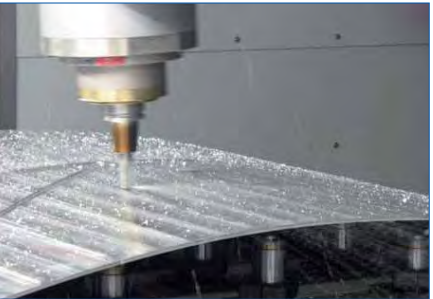
Moveable parts strictly designed with low weight and very rigid according to finite element analysis for high dynamics and exact positioning.



Zero backlash prestressed rack and pinion drives of a high rigidity with electric synchronization.



Option: The welding construction with a complete or partial polymer concrete filling is annealed and offers optimal vibration dampening at a simultaneously high thermo-stability.



Innovative clamping systems like the Handtmann FlexClamp extremely reduce the auxiliary process times and equipment costs and offer maximum flexibility for future requirements.



Continuity
 "As a member of the internationally successful Handtmann Group, we offer continuity, strength of innovation and enthusiasm for your tasks", Andreas Podiebrad, General Director of Handtmann A-Punkt.



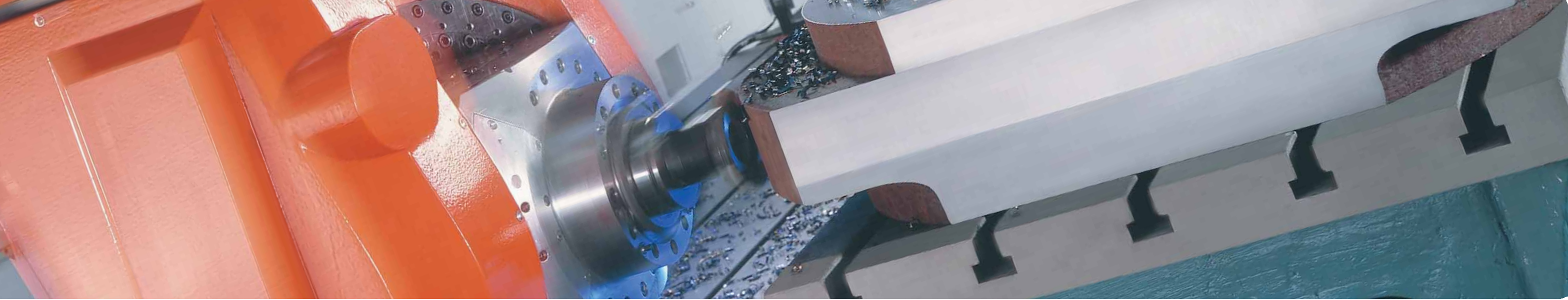
Consulting
 Gain from our professional consulting specialists. Perfect solutions with the highest productivity are originated here.



Manufacturing
 Our new temperature controlled assembly hall was designed such that machining centres are made with the highest of precision and completely vibration-free floors.



Service
 Experience first-class service from qualified mechanics, application technicians and NC programmers. State of the art telediagnosis systems are the guarantee for a quick remedy for disorders.



GANTRY® CS

*Convincing precision
for your machining jobs!*

Handtmann GANTRY® CS:



Machining precisely.

Producing economically.

With the GANTRY® CS from Handtmann, you are ready today for the requirements of tomorrow. Modularly built and generously dimensioned, this centre offers you the precision and flexibility you expect from a state of the art machining centre.



Convincing advantages:

- Roughing and finishing in one set up.
- Automatic spindle change.
- Removable walls provide the capability of parallel loading and unloading.



Simultaneous 5-axis machining.



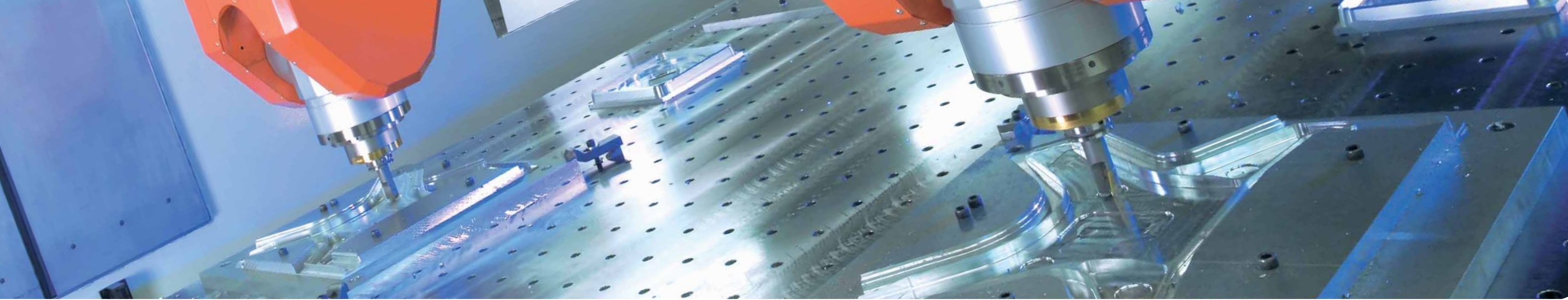
Automatic spindle change.



High precision machining.



Highly dynamic machining centre.



GANTRY® TS

*Double productivity
with two high performance spindles!*

Handtmann GANTRY® TS:



Machining independently.

Producing economically.

Unique control techniques allow for the simultaneous and independent operation of both of the GANTRY® TS machining units. This allows the production of two identical or two mirrored parts in one cycle. You double your productivity with the flexible separation in two work zones.



Extremely long axis travels up to 50 meters.



Simultaneous machining with up to 2 x 110 kW spindle power.



Convincing advantages:

- Double the productivity with two independent spindles.
- Machining of two identical or two mirrored parts in only one cycle.
- Common, optimal usage of the Y-axis through special motor configuration and independent movement.



High precision machining.



Highly rigid machine design.



HBZ[®] series



PBZ[®] series



GANTRY[®] series



UBZ[®] series

www.handtmann.de

Handtmann A-Punkt Automation GmbH

Eisenbahnstrasse 17
88255 Baienfurt
Germany

Tel. +49(0)7 51 / 5 07 90
Fax +49(0)7 51 / 5 07 98 42
sales.apunkt@handtmann.de
www.handtmann.de

Handtmann CNC Technologies, Inc.

205 Prairie Lake Rd., Unit B
EAST DUNDEE, IL 60118
USA

Tel. +1 8 47 / 8 44 33 00
Fax +1 8 47 / 8 44 33 03
info@handtmanncnc.com
www.handtmanncnc.com

Handtmann CNC UK

A Division of the Engineering Technology Group
Northfield Road · Southam
Warwickshire CV47 0FG
England

Tel. +1 8 47 / 8 44 33 00
Fax +1 8 47 / 8 44 33 03
info@handtmannuk.com
www.handtmann.de

OOO Handtmann CNC Machines

1-st Botkinsky drive 7, Building 35
Moscow 125284
Russia

Tel. +7 499 795-8617
Fax +7 499 795-8617
info@handtmann-russland.com
www.handtmann.de

OOO Handtmann CNC Machines

Krylova Str. 36, Office 218A
Novosibirsk 630005
Russia

Tel. +7 383 249-1284
Fax +7 383 249-1285
service@handtmann-russland.com
www.handtmann.de

handtmann
Ideas for the future.