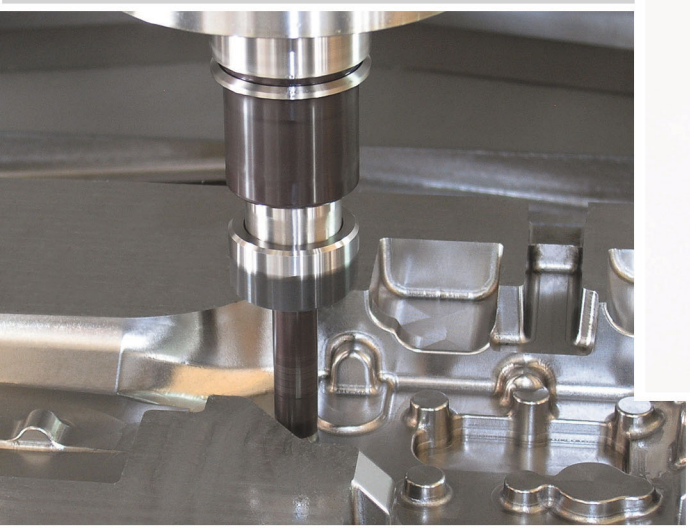
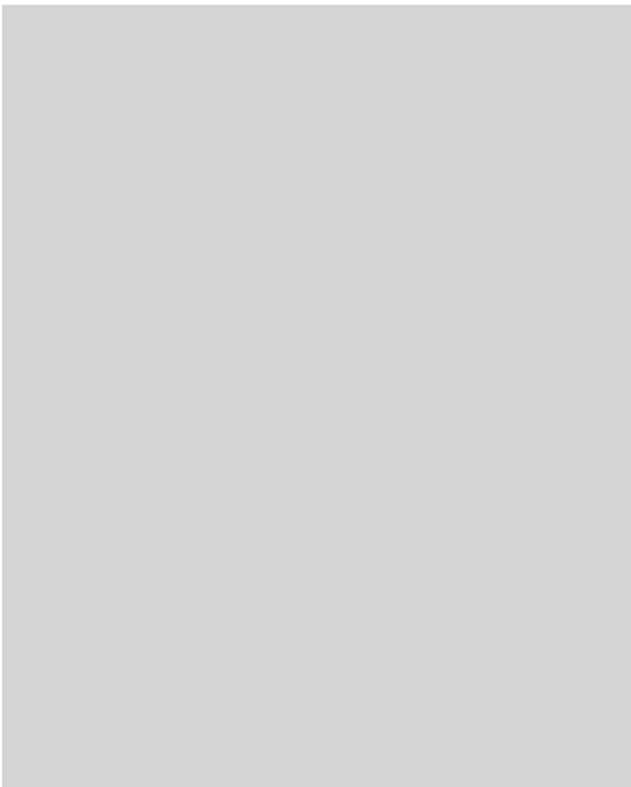


Delta 6

HIGH SPEED MACHINING CENTER



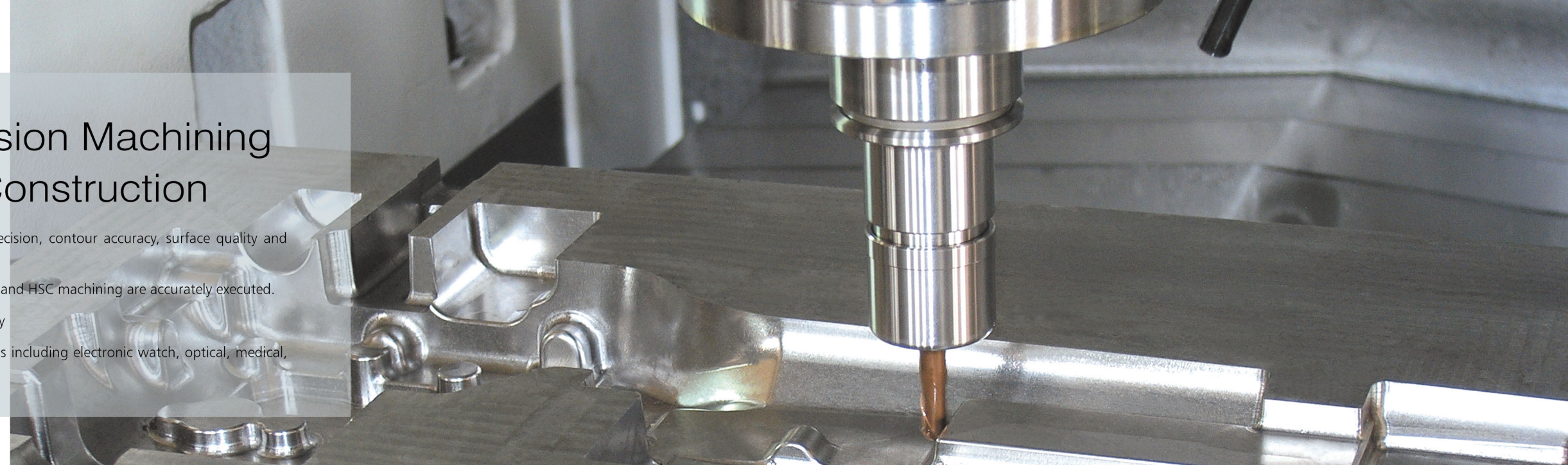
The Vertical Precision Machining Center for Mold Construction

The Delta 6 is designed for new dimensions in precision, contour accuracy, surface quality and productivity.

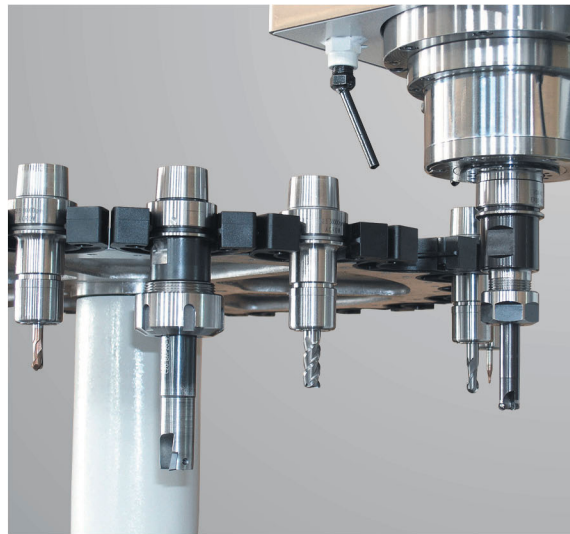
Maximum dynamics, precision performance milling, and HSC machining are accurately executed.

High Speed Cutting - Workpiece Machined Efficiently

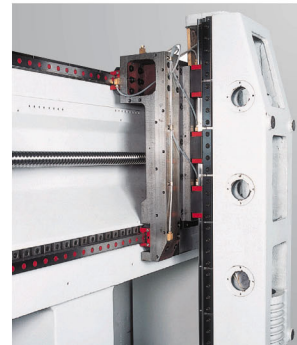
This machine works for a wide range of applications including electronic watch, optical, medical, die mold, and mold making industries.



High-performance metal removal, high productivity and high flexibility are achieved through new bridge type design.

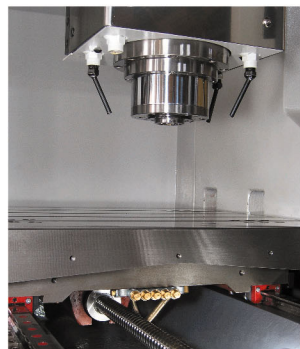


The Bi-directional tool magazine provides a loading capacity of 20 tools (HSK-E40).



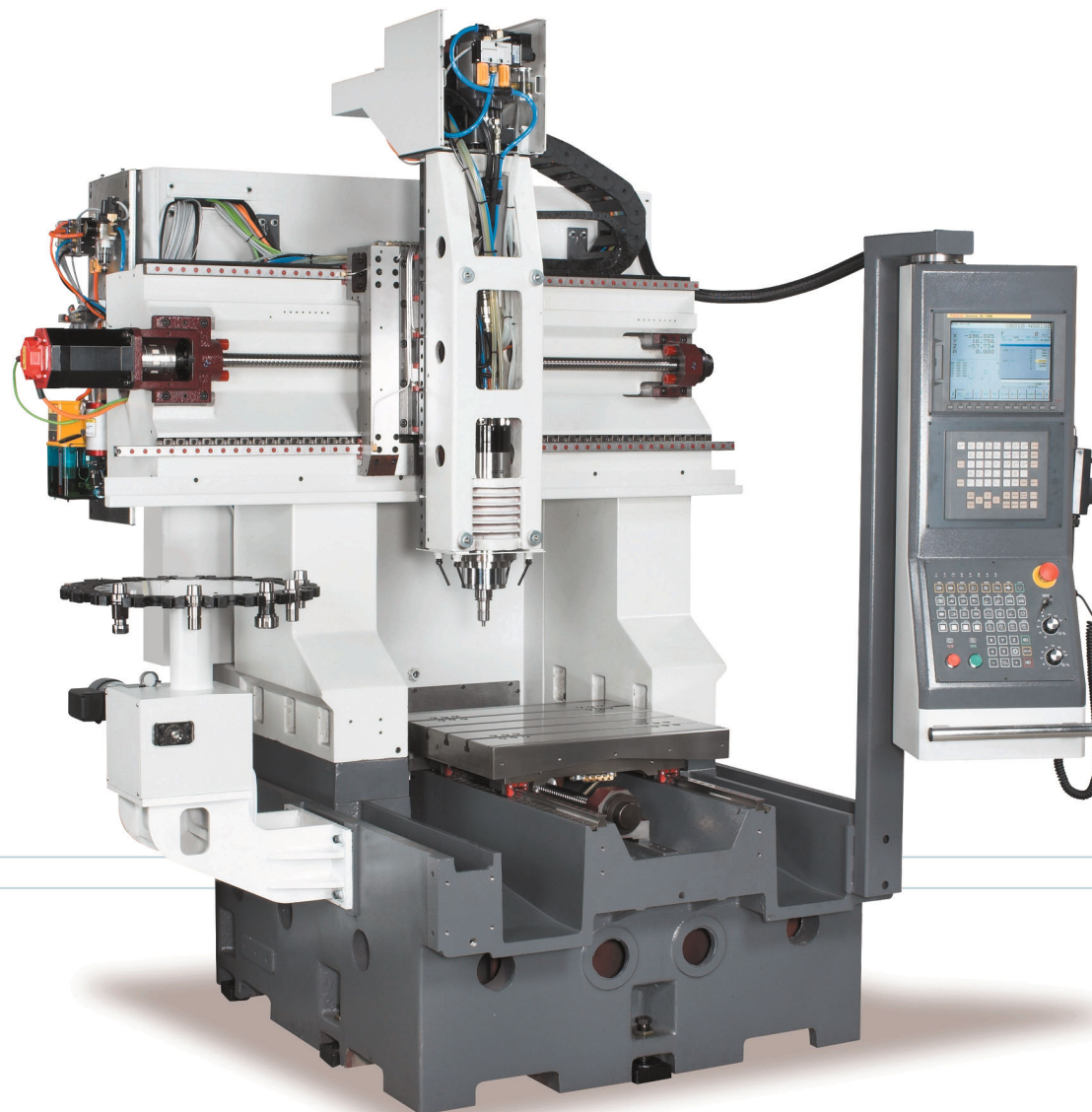
HIGH RIGIDITY BRIDGE TYPE DESIGN

The bridge type structured machine frame is built with high quality rigid castings. Performs superbly under high speed machining with very low cutting vibration. This machine can easily provide high contour finish and glossy surface. Maximum acceleration up to 5 m/sec²



ROLLER BEARINGS LINEAR MOTION GUIDES

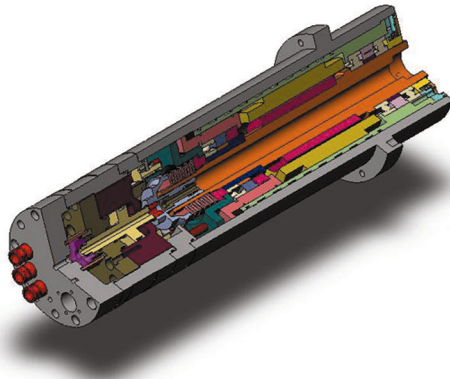
Low friction roller bearings linear motion guides create great dynamic and stability capacity. Superior geometric accuracy and surface quality. Extends tool life with low vibrational behavior.



Compact Design, Easy Operation and User Friendly Interface

One door and entry niche to the machine bed offer accessibility to loading / unloading of workpiece.

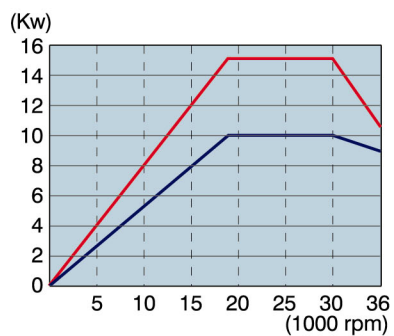
Built-in type spindle



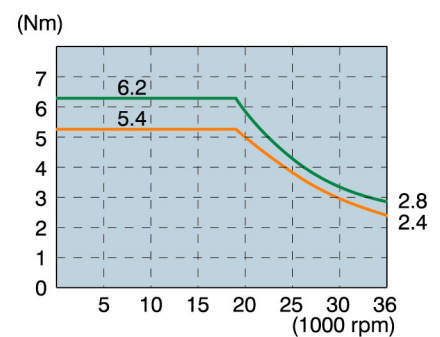
- Powerful 15KW spindle motor driven by Servo System with close loop control
- HSK-E40 / 30,000 rpm / 36,000 rpm (Opt.) high speed spindle with Oil-Air lubrication system retains stability during high speed and prolonged machining, Also offers rigid tapping ability.

Spindle power & torque chart

Power-diagram

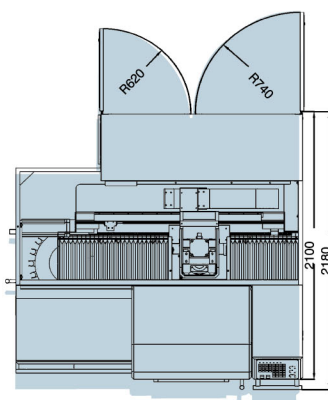


Torque-diagram

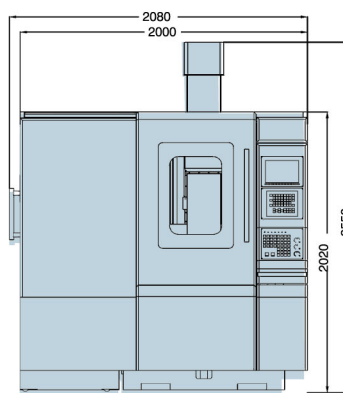


Overall dimensions

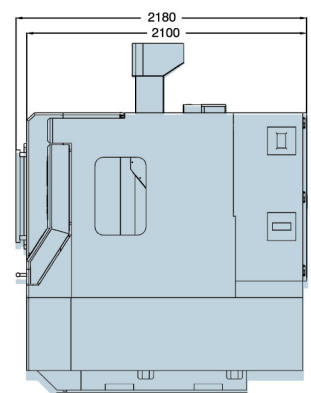
Top View



Front View



Side View



Specifications

ITEM \ MODEL		Delta 6
TRAVEL	X axis travel	600 mm
	Y axis travel	550 mm
	Z axis travel	360 mm
	Spindle nose to table surface	130~510 mm
TABLE	Table surface	600 x 550 mm
	T slot (W x N x P)	14 x 4 x 100 mm
	Max. table load	300 kg
FEED	Rapid traverse (X, Y, Z)	30 / 30 / 24 m/min
	Max. cutting feed	20000 mm/min
SPINDLE	Spindle taper	HSK-E40
	Spindle speed	30000 rpm (built-in)
	Spindle motor	10 / 15 kW
TOOL MAGAZINE	Tool magazine capacity	20 tools / DISC
	Tool Max. length	150 mm
	Tool Max. diameter	40 mm
MACHINE	Machine weight (N.W. / G.W.)	4000 / 4500 kg
	Power capacity	20 KVA

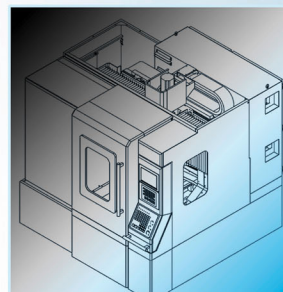
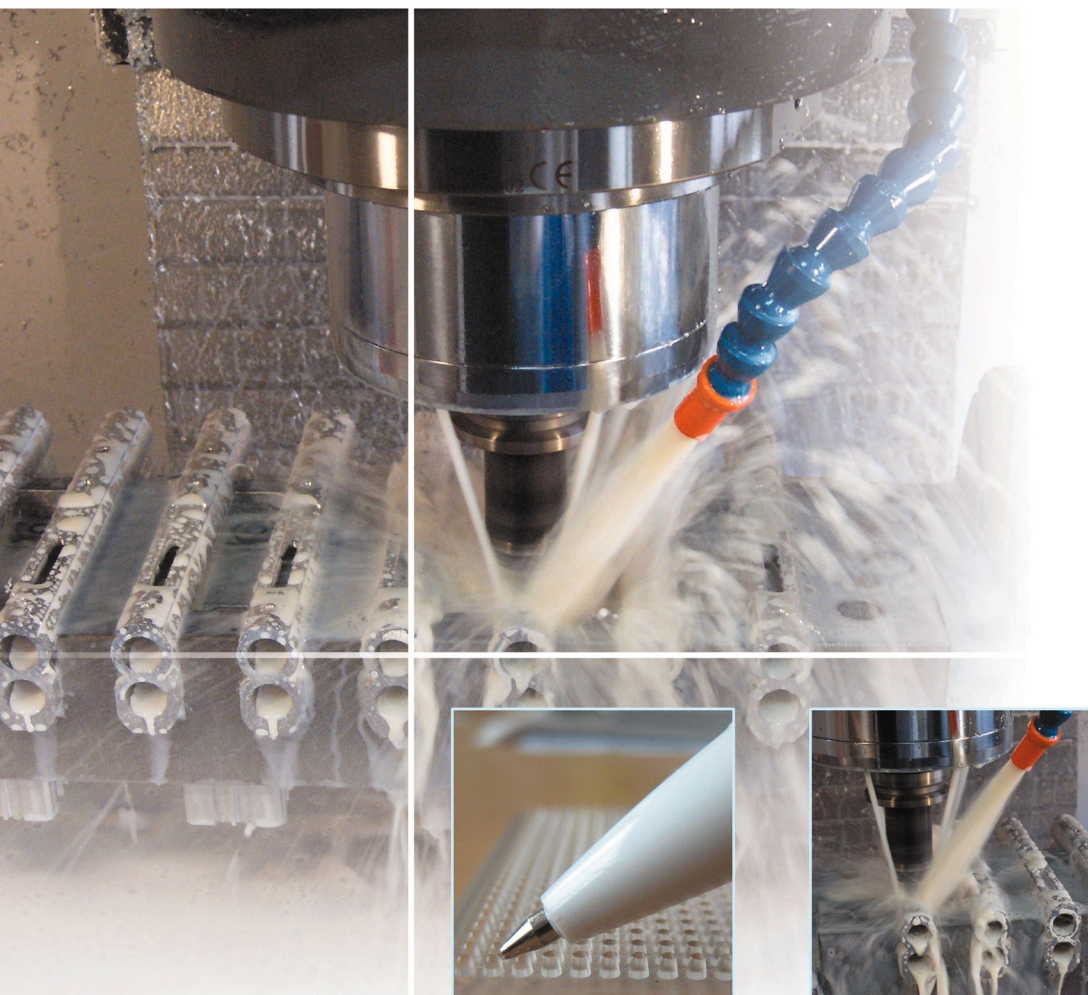
■ All data subject to change without notice.

STANDARD ACCESSORIES

1. Armless type ATC 20 tools
2. Full splash guard
3. Spindle lube system
4. Auto. lube system
5. Auto. coolant system
6. Heat exchanger for electrical cabinet
7. Three color warning light
8. Working light
9. Leveling pads & bolts
10. Auto. power off
11. Toolbox with tools

OPTIONAL ACCESSORIES

1. Transformer
2. RISC+AI NANO HPCC
3. Data server
4. 36,000 rpm (built-in) / HSK-E40
5. Oil mist for cutting
6. Tool presetter



NUMEN

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