

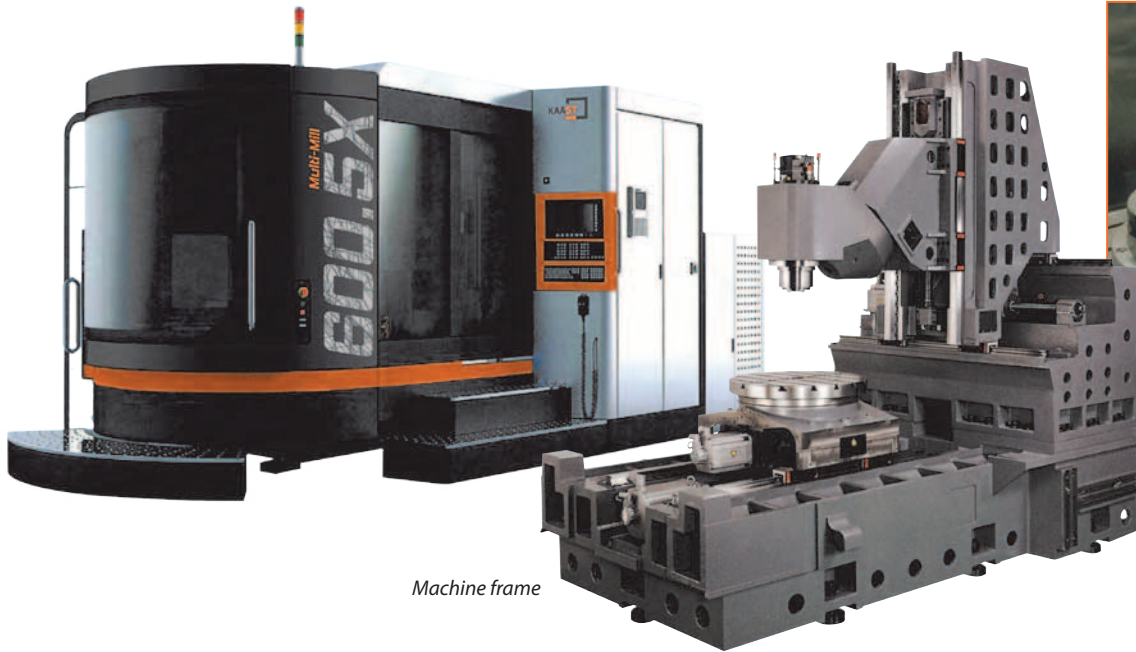
CNC 5-axis machining center

# Multi-Mill 600.5X

5-axis Simultaneous High Performance Milling



T e c h n i c a l   D a t a s h e e t



Machine frame

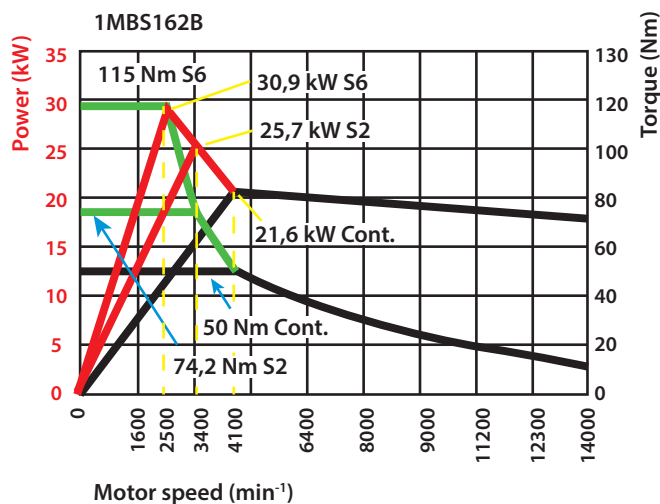
Machining sample

### Standard configuration:

- ✓ Mitsubishi M720V CNC control
- ✓ 30-pos. ATC
- ✓ Built-in spindle 12,000 rpm
- ✓ LED working light
- ✓ 3-color signal light
- ✓ Full protection enclosure
- ✓ Spindle blowout device
- ✓ Coolant around the spindle
- ✓ Automatic central lubrication
- ✓ Portable electric handwheel
- ✓ Compressed air gun
- ✓ Coolant spray gun
- ✓ Chain type chip conveyor
- ✓ Operating tool
- ✓ Machine feet
- ✓ Operation manual

### Optional configuration:

- CNC control Siemens / Fanuc / Heidenhain iTNC 530
- Built-in spindle with 20,000 rpm
- Automatic tool measurement and breakage detection
- Automatic workpiece centering & coordinate rotation
- Linear scales on all axes
- CTS 35 to 70 bar (500 to 1000 psi)
- Cold air nozzle with 4 - 6 degree air exit
- Oil separator
- BT/HSK spindle taper
- 40/60-pos. ATC



Technical specifications		Multi-Mill 600.5X
<b>Travel</b>		
X-axis	mm	600 (23.6")
Y-axis	mm	700 (27.6")
Z-axis	mm	600 (23.6")
<b>Table</b>		
Diameter	mm	630 (24.8")
Load	kg	700 (1540 lbs)
Rotation range (C-axis)	deg.	360
RPM (C-axis)		15
Min. index	deg.	0.001
<b>Spindle direct drive</b>		
Power	kW	21(31) (28 (42 HP))
Torque	Nm	115 (85 ftlb)
Maximum speed (Tool shank)	rpm	14.000 (SK40)
<b>ATC</b>		
Number of tools		30
Change time tool to tool	sec.	5
Change time chip to chip	sec.	25
Tool selection		random
Max. tool weight	kg	7 (15.4 lbs)
Max. tool length	mm	250 (9.8")
Max. tool dia.	mm	85 (3.3")
<b>Universal head</b>		
B-axis	deg.	0-180°
Rotation speed	rpm	15
<b>Speed feed</b>		
Max. cutting feed	m/min.	10 (393.7"/min)
Rapid feed (X/Y/Z)	m/min.	45 (1772"/min)
<b>Accuracy</b>		
X, Y, Z positioning / BC axis	mm	0.005 (0.0002")
X, Y, Z repeatability / BC axis	mm	±0.004 (0.00015")
<b>Size</b>		
Width x Depth	mm	4800 x 3550 (189x140")
Height	mm	2700 (106")
Weight	kg	12,000 (26,400 lbs)
Item.-No.		<b>6730050</b>

\*The above specifications are subject to change without prior notice, no liability for printing mistakes. Machine may be shown with optional equipment.