

SAM 022586**MAZAK Type INTEGREX 400-3S**

Group	CNC Turning-Milling-Drilling Center
Manufacturer	MAZAK
Type	INTEGREX 400-3S
Controller CNC	Mazatrol PC Fusion CNC 640MT Pro
Year	2004
Youtube video	https://youtu.be/-V0Akibpu_I



Number of axis total	6
Number of spindles	2
Number of milling heads	1
Distance between centres	1500 mm
Swing diameter	760 mm
Maximum turning length	1524 mm
Max. turning diameter	760 mm
Max. bar diameter	102 / 77 mm
Tool magazine number of tool places	40
Tool diameter max.	90 mm
Diameter with free adjacent pockets	125 mm
Tool lenght	400 mm
Main spindle:	
Spindle nose	A2-8
Internal spindle diameter	112 mm
C axis (spindle,resolution)	0.001 °
Spindle speeds:	
stepless	
from	35 t/min
up to	3300 t/min
Spindle power	30 kW
Torque max.	1200 Nm
Back spindle:	
Spindle nose	A2-8
Spindle hole	88 mm
max. speed	35 - 4000 t/min
C axis (spindle,resolution)	°
Power of back spindle	26 / 22 kW
Torque max.	500 Nm
Milling spindle:	
Milling spindle receptacle	CAPTO C6
Milling cutter speeds	15 - 12000 t/min
Spindle torque	120 Nm
Drive milling spindle	18.5 kW
B axis swivelling range	-30 / +195 °
B axis resolution max.	°
Travels:	
X axis	630 mm
Y axis	+ / - 115 mm
Z axis	1585 mm



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Feeds	0 - 8000 mm/min
Rapid traverse X	38 m/min
Rapid traverse Z	38 m/min
Rapid traverse Y	26 m/min
Time under power	35000 Heures
Machine's weight about	13300 kg
Required floor space	5110 x 2196 mm
Overall dimensions machine:	
Height	2798 mm

Various accessories:

Linear scale system for X-axis	
3-jaw chuck diameter	Forkhardt 400 mm
3-jaw chuck diameter (back spindle)	Forkhardt 315 mm
Hydraulic chuck	
Lamp	
Spindle blow out (backspindle)	
Air blast through milling spindle	
Coolant system	444 l
Coolant through the milling head	15 bar
Main and back spindle synchronization	
Interface serial port RS 232	
Interface PCMCIA card	
Synchronized tapping	
Chip conveyor	
Foot pedal	



