



Inventory number: 22200

Tool and cutter grinder CNC  
ROLLOMATIC 6000XL  
Fanuc 160-iMB  
2005



### Technical data

X axis	280 mm
Y axis	245 mm
Z axis	355 mm
grinding diameter	2 - 32 mm
Max. grinding wheel diameter	200 mm
A axis (grinding head rotation)	240 °
Resolution	0.0001 °
Work piece spindle speed	60 rpm
B axis swivelling range	135 °
B axis resolution max.	0.0001 °
C axis (spindle, resolution)	0.0001 °
Work piece spindle head:	
Collet attachment	31 / 20 W
Grinding spindle speeds:	
from	0 rpm
up to	8000 rpm
Rapid traverse X	20 m/min
Rapid traverse Y	15 m/min
Rapid traverse Z	20 m/min
Voltage 60 Hz	480 Volt
Grinding spindle motor	20 kW
Overall dimensions machine:	
Length	2640 mm
Width	2380 mm
Height	2720 mm

Various accessories:

Set of collets

Set of flanges

Oil mist extractor

ELBARON

Workpiece loader

### Control System:

- Machine control FANUC 160-iMB 9-axis

Interface FANUC/PC including Windows 2000

Rollomatic Software:

Grinding: Endmills, ballnose and radius endmills

Taper tools, ballnose and radius taper endmills

Drills/step drills, step tools

Burs (industrial, aluminum-cut, surgical, dental)

Routers

Medical/surgical components

Simulation: VirtualGrind PC programming system/simulation

FluteCalc 2-D simulation of flute shapes

3DCalc 3-D simulation of any tools

BurCalc 2-D and 3-D simulation of burs

TaperCalc 2-D and 3D simulation of tapered tools

ISO programming using Rollomatic co-ordinate system, incl. 3-D simulation

Probing routines (flutes and coolant holes)

Teach-in (wheel shapes and machine calibrations)

Graphic wheel display with zero offsets

Various control diagnostics























