

TGM LTD PLANT LIST

CNC MACHINING CENTRES

The Mazak logo is displayed in orange text within a black rectangular border.

3 off Mazak VTC-800/30SR

30 position tool changer
CNC 5 Axis Travel
Mazatrol matrix control
X = 3000mm
Y = 800mm
Z = 720mm
Installation Date: 2011 & 2012



Cincinnati FTV 3700 Vertical Machining Centre

48 position tool changer
Fanuc 18I CNC Control
CNC Axis Travel
X = 3700mm
Y = 1000mm
Z = 700mm
Installation Date: 2003



Haas VF9 Vertical Machining Centre

24+1 position tool changer
Haas Quick Code CNC Conversational programming & ISO programming capability
CNC Axis Travel
X = 2134mm (84")
Y = 1016mm (40")
Z = 762mm (30")
Installation Date: 2002



DMU EVO 70 5 Axis Machining Centre

32 position tool changer
 Heidenhain TNC 530i Control 10,00RPM Spindle Speed
 DXF File transfer
 CNC Axis Travel
 X = 750mm
 Y = 600mm
 Z = 520mm
 Installation Date: 2008

DMU EVO 50 5 Axis Machining Centre

32 position tool changer
 Heidenhain TNC 530i Control 10,00RPM Spindle Speed
 DXF File transfer
 CNC Axis Travel
 X = 500mm
 Y = 419mm
 Z = 381mm
 Installation Date: 2005



Hurco DCX 32 Vertical Machining Centres

40 position tool changer
 Hurco CNC Conversational programming & ISO programming capability
 DXF File transfer
 3D mould and rigid tapping capability
 CNC Axis Travel
 X = 3200mm
 Y = 2100mm
 Z = 920mm
 Installation Date: 2009

Hurco VMX 50 Vertical Machining Centre (Equipped with NIKKEN 5 axis rotary head)

40 position tool changer
 Hurco CNC Conversational programming & ISO programming capability
 CNC Axis Travel
 X = 1270mm
 Y = 660mm
 Z = 610mm
 Installation Date: 2010



Hurco VMX 24HT Vertical Machining Centre

24 position tool changer
Hurco CNC Conversational programming & ISO programming capability
CNC Axis Travel
X = 610mm
Y = 508mm
Z = 610mm
Installation Date: 2009

Hurco VMX 30HT Vertical Machining Centre

24 position tool changer
Hurco CNC Conversational programming & ISO programming capability
CNC Axis Travel
X = 762mm
Y = 508mm
Z = 610mm
Installation Date: 2010

Hurco VMX 84 Vertical Machining Centre

40 position tool changer
Hurco CNC Conversational programming & ISO programming capability
DXF File transfer
CNC Axis Travel
X = 2134mm
Y = 864mm
Z = 762mm
Installation Date: 2009

Hurco VMX 64 Vertical Machining Centre

40 position tool changer
Hurco CNC Conversational programming & ISO programming capability
DXF File transfer
CNC Axis Travel
X = 1625mm
Y = 864mm
Z = 762mm
Installation Date: 2012

2 off Hurco VMX 42 Vertical Machining Centres

24 position tool changer
Hurco CNC Conversational programming & ISO programming capability
DXF File transfer
3D mould and rigid tapping capability
CNC Axis Travel
X = 1067mm
Y = 610mm
Z = 610mm
Installation Date: 2004



3 off Miyano BNJ-42SY3 7 Axis Turning Centre

Hainbuch Main Spindle
Quick change 42mm collet chuck
10 Tool ATC
1m machining length
Bar capacity 42mm
X = 165mm
Z = 246mm
Y = 40mm
Installation Date: 2011 & 2013

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CNC INSPECTION EQUIPMENT



Aberlink Axiom CMM Machine

Aberlink 3D software for Windows

Measuring volume

X = 600mm (23.6")

Y = 500mm (19.65")

Z = 400mm (15.75")

Installation Date: 1999



Ferranti Merlin Fully Programmable CMM Machine

Measurement Solution Catia Inspect software for Windows

Measuring volume

X = 1400mm

Y = 1490mm

Z = 800mm

100% Catia V5 Compatible

Full ISO 10360 certification of machine accuracy

Installation Date: 2011



Romer Absolute Arm 7353

6 axis accuracy arm with absolute encoders and 3.5m range

Verisurf software - 100% Catia V5 Compatible

CAD/CAM SOFTWARE

CATIA V5

Offline programming with full 5 axis capability

Mastercam X2 3D CAD/CAM software

Offline programming with full 5 axis capability, DNC link to CNC machine tools

Industry standard data formats via email, floppy disc or CD in CATIA, DXF, IGES and VDA are readily acceptable.