



# **K&K Precision Engineering & Fabrication**

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## **Our Machine Capacities**

### **NC Turning**

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#### **Daewoo Puma 250B**

Chuck Size 250 mm  
Spindle Bore 74 mm  
Spindle Speed 3500 mm  
Machining Capacity - Diameter 360 mm  
- Length 600 mm

#### **Daewoo Puma 400**

Chuck Size 380 mm  
Spindle Bore 118 mm  
Spindle Speed 2000 rpm  
Machining Capacity  
Diameter 560 mm  
Length 1000 mm

#### **Mori Seiki MT 2500 – Multi axis Turning + Milling**

Chuck Size A 300 mm  
Spindle Bore 75 mm  
Spindle Speed 3300 mm  
Turning Diameter 540 mm  
Chuck Size B 255 mm  
Spindle Bore 53 mm  
Spindle Speed 4000 rpm  
Turning Diameter 360 mm  
Rotary Tool Speed 8000 RPM  
Tool Changer 120 tools

## NC Milling

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### Mori Seiki MV 65 Vertical Machining Centre

Table Size 1700 x 650 mm  
Max Load 2000 kg  
Travel X 1500 mm  
Y 650 mm  
Z 650 mm

### Qasar MK 60 II E Vertical Machining Centre

Table Size 1400 x 650 mm  
Max Load 2000 kg  
Spindle Speed 8000 RPM  
Travel X 1021 mm  
Y 612 mm  
Z 560 mm

### Victor Vcenter 55 Vertical Machining Centre

Table Size 580 x 800 mm  
Max Load 200 kg  
Spindle Speed 6750 RPM  
Travel X 550 mm  
Y 462 mm  
Z 462 mm

## NC Horizontal Boring + Milling

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### Okuma MA40HA Twin Pallet Horizontal Machining Centre

Table Size 400 x 400 mm (x2)  
Max Load 400 kg  
Spindle Speed 7000 rpm  
Tool Changer 300  
Travel X 562 mm  
Y 612 mm  
Z 562 mm

### Makino A77 8 Pallet Horizontal Machining Centre

Table Size 630 x 630 mm (x8)  
Max Load 1200 kg  
Spindle Speed 10,000 rpm  
Tool Changer 90  
Full B axis machining  
Max work piece Diameter x Height  $\phi$ 910 x 1000 mm

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### **Sodick AQ535L Wire Cutting Machine**

Cutting Capacity      X 550 mm  
                                 Y 350 mm  
                                 Z 290 mm

+/- Deg Taper

### **Sodick Mold Maker 5 CNC EDM Spark Eroder**

## **Manual Machining**

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### **Mazak Centre Lathes (x3)**

Max Turning Diameter      1160 mm  
Max Length Between Centre      4000 mm  
Max Diameter Over Saddle      610 mm

### **Horizontal Borers (x3)**

Max Table Size      1100 x 1320 mm  
Max Travel      X 1500 mm  
                                 Y 1150 mm  
                                 Z 1800 mm

### **Sachman Bed Mill**

Table Size      2000 x 560 mm  
Max Table Load      1000 kg  
Travels      X 1800 mm  
                                 Y 750 mm  
                                 Z 700 mm

### **WMW Mill**

Table Size      1800 x 460 mm  
Max Table Load      1000 kg  
Travels      X 1300 mm  
                                 Y 380 mm  
                                 Z 570 mm

### **Universal Turret Mill**

Pacific x1  
Bridgeport x1

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**Slotter**

Throat Depth 550 mm  
Stroke 300 mm

**Fromag Key Seater**

Max Key Size 45mm  
Stroke 300 mm

**Delta Surface Grinder**

Magnetic Table Size 800 x 500 mm  
Travel X 900 mm  
Y 600 mm  
Z 400 mm

**Proth Surface Grinder**

Maximum Table Size 1500 x 600 mm  
Travels X 1600  
Y 600  
Z 500

To be installed early in 2010:

**Jones + Shipman 1307 Cylindrical Grinder**

Internal + External  
Max Diameter 340 mm  
Max Length 800 mm

**WMW Cylindrical Grinder**

Max Diameter 400 mm  
Max Length 1000 mm

**Fabrication – Mild Steel, Stainless Steel, Alloy Steel**

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Geka 70T Punch, Crop + Shear  
Roundo Suction Rolls  
150T Hydraulic Press  
Mig Welding  
Tig Welding  
Submerged Arc Welding

*We look forward to working with you!*

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