

## **3D Printer**

### **Dimension Elite 3D Printer**

Prints using ABS plastic so modelled parts are strong and durable. ABS ensures that you will be able to drill, tap, sand, and paint creations.

Quick response ready to use working parts excellent for prototyping.

Using CAD drawings sent on IGES we can print a sample to look at before the final decision is made.

## **CNC Lathes**

### **Nakamua Tome TW 20**

This machine has an automatic bar feed and loader.

Twin spindle twin turret precision turning centre.

Live tooling for vertical, off centre and PCD drilling and milling.

Maximum continuous bar size 51mm.

Chuck work max is 200mm (8 inches).

### **Nakamua Tome TW 10**

This machine has an automatic bar feed and loader.

Twin spindle twin turret precision turning centre.

Live tooling for vertical, off centre and PCD drilling and milling.

Maximum continuous bar size 42mm.

Chuck work max is 152mm (6 inches).

### **Tornos ENC 1667 Sliding Head**

This machine has an automatic bar feed magazine loader.

5 axis machining

Maximum bar size is 20mm.

### **Daewoo Puma**

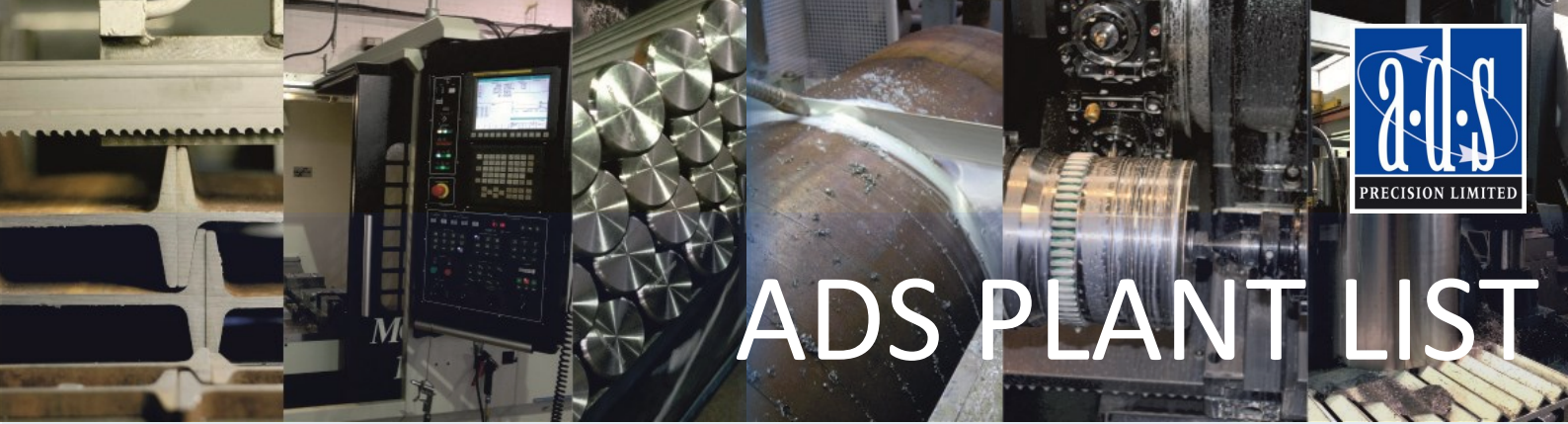
This machine has an automatic bar feed.

Single spindle single turret precision turning centre.

Live tooling for vertical, off centre PCD drilling and milling.

Maximum continuous bar size 65mm.

Chuck work max is 254mm (10 inches).



# ADS PLANT LIST

## **Takamaz X-10i**

Single spindle single turret precision turning centre.

Equipped with vibro feeder, gantry servo loaders and 10 tool capacity,

useful for short cycle time work where components are near set shape or for secondary operations.

Part size is a maximum of 90mm x 90mm.

## **Doosan S280 (3 machines)**

These machines have automatic 4 metre bar feeds and loaders.

Single spindle precision turning centre.

8 inch dia chucking capacity.

## **CNC Millers**

### **Hardinge VMC 1000**

A vertical machining centre equipped with 4<sup>th</sup> axis.

Machine table X axis 510mm and Y axis 1,020mm.

20-tool capacity magazine.

### **Chiron FZ08W**

Twin pallet VMC with GE Fanuc series 21i M control.

Tool change time of 0.5 seconds and chip-chip time of 1.5 seconds allowing very fast cycle times.

It can drill up to 16mm and tap up to M12.

### **Dahlih VMC MCV-1020BA**

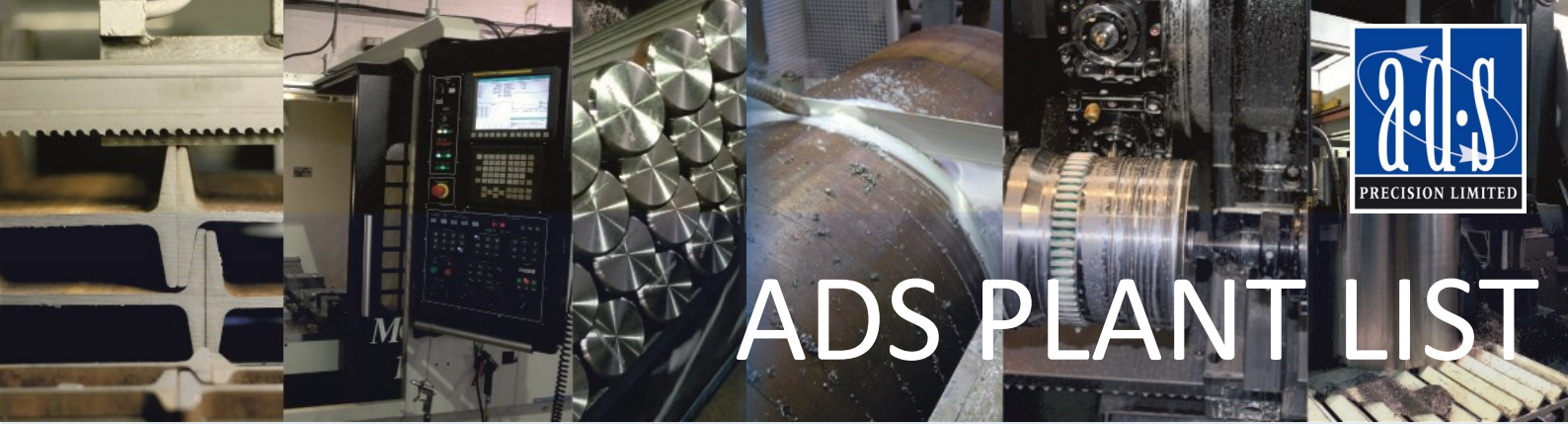
Table 'X' = 1020mm, Table 'Y' = 550mm.

40 Int taper.

20 tool capacity.

Table load 1000kg.

Motor 15 Hp.



# ADS PLANT LIST

## **Saws**

### **Hydmech H14A NC Fully Automatic Bandsaw**

355mm dia.

Twin column.

### **Hydmech H18A NC Fully Automatic Bandsaw**

460mm dia.

Twin column.

### **Hydmech H20A NC Fully Automatic Bandsaw**

510mm dia.

Twin column.

### **Hydmech H22A NC Fully Automatic Bandsaw**

560mm dia.

Twin Column.

Bundle cutting.

### **ADS VT800 x 1500 Vertical Bandsaw**

800x800x1500mm

### **Durma DCB – S 800 NC Semi Automatic Bandsaw**

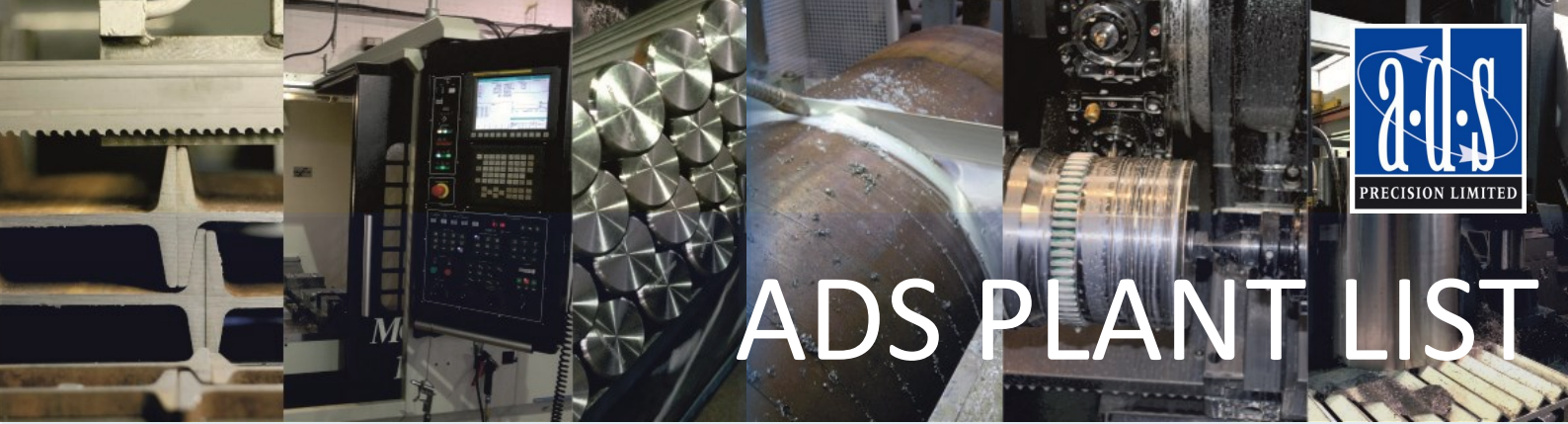
800mm dia.

Twin Column.

**Crane Lifting capacity 6000Kg**

**Forklift Lifting Capacity 7000Kg**

**Bar length capacity 6 metres**



# ADS PLANT LIST

## **Manual Machines**

### **Colchester Triumph 2000 Ss 7 Sc Gap Bed Lathe**

15 inches diameter swingx50"BC, 3&4 jaw chucks. Quick change tool post.

Maximum size of work piece is about 400mm dia.

### **Colchester Mastiff 1400 Centre Lathe**

Capacity 500mm dia x 1400mm long.

Screw cutting.

### **Pedestal Drill**

Geared Drill with reverse for tapping and own coolant supply.

Table is 350mm x 450mm

Maximum drilling depth is 150mm.