

TURNING:

1x Puma 240 CNC Lathe

63mm bar capacity
Auto Tailstock
LNS bar feeder

1x Puma 240MS CNC lathe

63mm bar capacity
Twin Spindle
Driven Tooling
LNS bar feeder

1x Puma 300 CNC lathe

220mm capacity
Auto tailstock

1x Puma V550 CNC vertical lathe

550mm max turn Diameter

1x Boehringer VDF 315CM CNC lathe

460mm diameter swing
2750max turning length
300mm chuck
Auto tailstock
Manual and auto SMW steadies

1x Wohlenberg V1000 manual lathe

Max swing 1000mm
Max length 4000mm
770mm maximum diameter over carriage
Maximum weight 5000Kg
Hydraulic copying attachment
Large range of manual steadies

VERTICAL MILLING:

1x SNK RB-3N CNC vertical Borer

3250mm X axis
2400mm Y axis
1100mm W axis
400mm Z (quill)
BT50 spindle
50 tool position carousel

4x YCM MV106F vertical machining centres

200mm Niken Rotary tables
BT40 spindle
24 tool position carousel

1x Futurmill manual milling machine

2900mm X travel
1800mm Y travel
400mm Z travel
Vertical and horizontal spindles

HORIZONTAL MILLING:

1x Kuraki KBT15 Horizontal Borer

3000mm X axis
2050mm Y axis
1600mm Z axis
700mm W (quill), BT50 spindle
60 tool position carousel
Twin Pallets
Rotary A axis
1195mm diameter Peiseler table mounted rotary axis

1x GLF Hybormill Horizontal milling machine

1500 cube working area
2 axis DRO
80mm Quill

GRINDING:

1x Schaudt Pf7 CNC cylindrical Grinder

750mm swing
3000mm max length between centres
Wheelhead B axis
Maximum weight 3000Kg

2x TOS BU50/40 Cylindrical Grinders

500mm swing
2000mm max length between centres

SURFACE GRINDING:

1x Admar YSG1640 Surface Grinder

1080 x 400 magnetic chuck
522mm vertical travel
Autocycles

GEAR CUTTING:

1x Pfauter PE500 CNC Gear hobber

673mm maximum Diameter
Inspection via Rotec single flank Gear inspection
Double flank Gear Inspection

WIRE ERODER:

1x Fanuc Oi 3 axis wire eroder

296mm x 210mm x 200mm working envelope

DYNAMIC BALANCING:

1x Schenck H40BU Dynamic balancing Machine

CAB690 control
Auto calculation
1000mm swing
2000mm max length between Steadies
Maximum weight 4000 Kg

MISCELLANEOUS:

- 1x Leblond deep hole boring machine, maximum length 3000mm, driven tool Model
- 6x Bridgeport BRJ milling machines
- 1x Kearns Jig Borer
- 3x Manual lathes (Harrison, Triumph, Colchester)
- 1x Newell Bandsaw
- 1x YCM Supermax Twin spindle manual milling machine
- 1x A&S Manual milling machine
- 1x Delapena Horizontal Honer
- 1x Weatherley Oilgear Horizontal pull Broacher

CMM INSPECTION:

1x LK G90-C CMM

Metrologic software
2500mm x 1500mm x 1000mm working envelope
CAD interface

1x Mitytoyo CMM

520mm x 400mm x 350mm working envelope

MANUAL INSPECTION:

- Comprehensive range of mechanical and digital measuring equipment
- In-house calibration Room

FOUNDRY SERVICES:

- **Flake Graphite (GI) castings** maximum weight 2500 Kg
- **Spheroidal Graphite (SG) castings** maximum weight 600 Kg
- **Austempered Ductile Iron (ADI) castings** maximum weight 600 Kg

Boxed and Boxless production methods employed

Prototypes and development work undertaken

Casting produced from all types of pattern equipment including wood, resin, metal and polystyrene

Specifications of Castings supplied:

GREY IRON		SG IRON	
En 1561:1997	BS 1452:1990	En 1563:1997	BS 2789:1985
ENGJL 150	150	ENGJS 400-18-LT	400/18 L20
ENGJL 200	220	ENGJS 400-18	400/18
ENGJL 250	250	ENGJS 400-15	420/12
ENGJL 300	300	ENGJS 450-10	450/10
ENGJL 350	350	ENGJS 500-7	500/7
		ENGJS 600-3	600/3
		ENGJS 700-2	700/2
		ENGJS 800-2	800/2
		ENGJS 900-2	900/2

Austempered Ductile Iron produced to EN 1564 and ASTM A897 please inquire for available grades

Other services available:

- Shot blasting
- Patterns supplied
- Steel and aluminium castings supplied