

Kenard Group

Dartford Plant List

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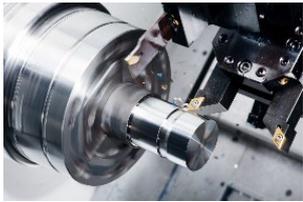
Accreditations:
AS9100 Rev D, BS EN ISO 9001:2015, BS EN 9100:2009



Turn/Milling Machining Centres – including integrated 5 axis



Mori Seiki SL 603
Designed for accuracy, rigidity and speed, this machine features high speed feed on all axis.
Max. turning diameter: 930mm
Max. turning length: 2000mm
Spindle RPM: 1500
Swing capacity: 1000mm



Hitachi Seiki HT40G
Horizontal lathe/turning machine.
Max. turning diameter: 620mm
Max. turning length: 1120mm
Spindle RPM: 20-2000
Swing capacity: 1000mm
12 station turret head



Mazak Integrex i400 Matrix 2
A full 5-axis machining centre.
Max. machining diameter: 658 mm
Max. machining length: 1519 mm
72 position tool magazine and high-pressure coolant



Hitachi Seiki HT30G
Horizontal lathe/turning machine.
Max. turning diameter: 500 mm
Max. turning length: 600 mm
Swing capacity: 620 mm
Spindle speed: 20-2500 min-1
12 station turret head



Mori Seiki MT2500
State of the art turning/milling centre with 5 axis milling capability.
Max. turning diameter: 550 mm
Max. turning length: 1528 mm
Swing capacity: 1000 mm
Supports 120 tools

Turning Centres, including Vertical Turning Centres



Doosan Puma 700 LM (x3)
A large capacity, high productivity CNC turning centre.
Max. turning diameter: 900 mm
Max. turning length: 3200 mm
Spindle RPM: 1500
Swing capacity: 1030 mm
High pressure coolant



Doosan Puma VCL VT900M
Hard-cutting, high precision vertical turning centre.
Max. turning diameter: 900 mm
Max. turning length: 850 mm
High strength and rigidity



Doosan Puma 600 (x2)
A large capacity, high productivity CNC turning centre with 12 position turret.
Rapid traverse: 12/16m / min
Spindle bore: 152 mm
Swing capacity: 1030 mm
1650 mm Z Axis

Our comprehensive range of multi-axis CNC machining facilities gives us the capability and flexibility to handle highly complex operations. We support manufacturing programs, across multiple industry sectors, that fully comply with global quality standards. Investments in new advanced technologies, engineering skills and tools that offer improved accuracy, reduced set-up times and high throughput rates deliver benefits that are passed on to our customers. We machine a wide range of metallic materials and alloys, with specialist experience of machining exotic materials such as Inconel.

Flexible Machining Centres



Doosan NHP 5000

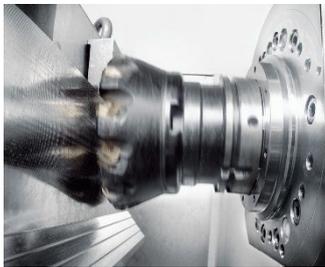
A high-performance multi-pallet horizontal machining centre. It features high speeds, precision, and a large working envelope. It is equipped with a powerful spindle and advanced control technology with 7 pallets supporting up to seven 7 fixtures. Offers true flexible machining 24/7.

Max. machining envelope:
730mm x 730mm x 880mm
Tool storage capacity: 120 tools



Mitsubishi M-H5B

A multiple pallet magazine supporting up to 8 pallets. Continuous machining is aided by tool breakage detection. Maximum work piece size: 800 mm x 760 mm
120 Tool ATC
500mm x 500mm work piece probing
Rapid traverse 40m/min
4 Axis



Mitsubishi M-H60E

A multi-pallet horizontal machining centre with 7 pallets supporting up to seven 7 fixtures. Offers true flexible machining 24/7.

Max. machining envelope:
1000 mm x 800 mm x 800 mm
80 Tool ATC
Maximum spindle speed:
12000 RPM
Pallet change time: 20 seconds
(chip to chip)

Machining Centres



Doosan Mynx 750 (x2)

A flexible machining centre with a full 4th axis.
Axis: (x) 1525 mm x (y) 762 mm x (z) 625 mm
Maximum spindle speed: 12,000 RPM
30 tool ATC



Fadal VMC 4020

A vertical machining centre with a 30-tool turret and Renishaw work probing.
Table size:
1016 mm x 508 mm x 711 mm
Maximum spindle speed: 10,000 RPM
4 Axis

EDM Wire Erosion



Mitsubishi FA30V

This process is to NADCAP Aerospace standard.
Stroke (X/Y/Z): 750 mm x 500 mm x 670 mm
Max. work piece: 1300 mm x 1000 mm x 670 mm
Max. work piece weight: 3000 kg

Inspection Equipment



DEA Scirocco-nt Brown and Sharpe
Measuring Capacity 900 x 1400 x 700
Measurement accuracy: 5 + 6L / 1000
Repeatability: 2 µm.
Resolution: 0.5 µm



LK CMM G-90C
Updated with PC-DMIS
Repeatability To 1.3 Microns / 0.00005"
Granite/Ceramic Guideways



Mitutoyo 9166 CMM
with Hexagon control
Motorised Indexing Probe
TTP Touch Trigger Probing and Scanning with PC-DMIS
Measuring Capacity 900 x 1600 x 600



Baty SM350 Shadowgraph
350mm screen combines high accuracy non-contact measurement and inspection with a large 250mm x 125mm measuring range.

Cylindrical Grinding



Studer S40 CNC grinder
distances between centres of 650mm (25.6") / 1000mm (40") and a centre height of 175mm for internal and external grinding.



Jones & Shipman 1307 Cylindrical Grinder
CEMB Balancing Machine Microbore EC011