



Capacity List

'We make it happen', isn't just a form of words, it's a Unilathe mindset, as we make it happen for all our customers.



Andrew Sims
Managing Director

Unilathe is a private limited company established by it's present owners back in 1977.

From it's humble beginning with two men and three machines in a 1000 sq ft unit to today's highly professional outfit employing over 100 personnel on a site of 5 acres with building area of some 80,000 sq ft.

Unilathe is highly invested in the latest CNC Machine Tools and Technology with all deliveries transported by our own vehicles from our 24 hour operation.

Customer Service and Quality are our first priority, offering excellent value for money on our extensive range of products.

Our experience of working for many industries, in most types of materials, coupled with the engineering expertise and personal service is what sets us apart from our competitors.

All customers, both existing and potential will be offered a warm welcome and can feel free to visit us at any time.

Company Introduction

At Unilathe we offer the complete engineering service from directly micro managing projects, supply complete components and assemblies and also the sub-contract machining of clients own products or materials.

Our engineering staff and managers are highly experienced and have developed the capability to machine complex components over a range of materials and sizes.

Through continued investment in the latest technology and equipment our capabilities include, CNC Milling/ Turning, with 4th and 5th Axis machining. Fabrication and welding to BS / Asme IX, Gear Cutting, Grinding, Open Machining, Wet/Powder Coat painting and Assembly.

Our unique culture and customer focused approach, together with experience in supplying various industries, enables us to deliver quality engineered parts or assemblies competitively and on time.

Company Quality Policy & Accreditations

Essential to maintaining and extending our reputation for quality is a firm commitment on the part of each individual employed to produce the best products we possibly can.

It is therefore the policy of Unilathe Limited that formal quality assurance procedures in accordance with the standard BS EN 9100 : 2009 requirement shall form an essential part of the company's management system to ensure that customers always receive a product that meets their requirement.

The company's overall objective is to maintain its established position as a manufacturer and precision engineering company producing quality products in an efficient cost effective manor to a variety of industries.

The company continually pursue a strategy of ongoing improvement to the systems, equipment, control and ultimately product and services offered to customers.

The company is fully committed to the implementation of the Quality Policy and achieving the quality objectives. All employees are given the necessary support for the effective operation of the company's quality system.

The Quality Manager has been delegated the responsibility by me to ensure the effective conformance to the standard and any specific customer requirements.

BS EN 9100 : 2009



Capacity List

CNC VERTICAL TURNING

QTY	DESCRIPTION
1	MORI SEIKI VL25 Max Dia 450, Max Length 450
2	MORI SEIKI VL55 Max Dia 650, Max Length 650
1	SUGA SVL-6TH Max Dia 850, Max Length 800
2	DOOSAN PUMA VT 1100 Max Dia 1270, Max Length 1100
1	SCHIESS VERTICAL BORER 1800MM CHUCK, Siemens 840 DSI Control
2	MORANDO VERTICAL BORER Chuck Size 1200mm. Siemens 840 DSI Control
1	Honor VL 100A Max Dia 1100mm, Max length 1000mm

CNC MULTI TASKING MACHINING

QTY	DESCRIPTION
1	MAZAK INTEGREGX E500 H-2 Horizontal Mill Turn x 3m Centre
1	WFL M65/3000 Horizontal Mill Turn x 3m Centre

SPECIALIST DRILLING

QTY	DESCRIPTION
1	MOLLART DEEP HOLE GUN DRILLING With high pressure oil feed, Dia 30mm, Depth 2m
2	SPECIAL INTERNAL RIGHT ANGLE Deep hole drilling unit, Dia 20mm, Depth 2m

CNC OIL COUNTRY TURNING

QTY	DESCRIPTION
1	GEMENIS CNC5 – 870 Twin chucks 680dia 2m between faces Through Bore 325 Dia 900 swing over Bed, 600 over saddle 3m between centres 8 station VDI turret

CNC HORIZONTAL TURNING

QTY	DESCRIPTION
1	MORI SEIKI SL5H Max Dia 360, Max Length 1000
1	MORI SEIKI SL200 BAR FEED Max Dia 400, Max Length 500, Max Bar 51, inc 3m IEMCA bar feed unit
1	MORI SEIKI CL20B BAR FEED Max Dia 400, Max Length 300, Max Bar 51, inc 3m IEMCA bar feed unit
1	MORI SEIKI SL303 BMC / 1500 Max Dia 420, Max Length 1560, inc live tooling facility
1	MORI SEIKI SL300 Max Dia 450, Max Length 700
1	VDF BOEHRINGER Max Dia 500, Max Length 2.5m
1	JOHNFORDE SL120B Max Dia 660, Max Length 3m, inc live tooling facility
1	VDF BOEHRINGER PNE 710 Max Dia 710, Max Length 1.5m
1	OKUMA LH50N Max Dia 1000, Max Length 3m, inc deep hole boring unit to 1.5m depth
1	SFM 5M LONG Max Dia 1000mm, Max Length 6m, inc deep hole boring unit 2.5m depth
1	XYZ XL 1200 Max Dia 1200, Max Length 5m, inc deep hole boring unit
1	DOOSAN PUMA 480L Max Dia 900, Max Length 2m inc. Fanuc 32i Control
1	CHURCHILL Max Dia 300, Max Length 750mm inc. Fanuc 10T Control
1	HYUNDAI KIA SKT250MS Max Dia 410, Max length 680 With Sub Spindle and live tooling

CNC MACHINING CENTRE HORIZONTAL

QTY	DESCRIPTION
1	MORI SEIKI SH50 Twin pallet table size 500 x 500, Travel X 630 Y 600 Z 650, B axis 1 degree indexing 60 station tool changer
1	MORI SEIKI MH50 Twin pallet table size 500 x 500, Travel X 630 Y 600 Z 650, B axis 1 degree indexing 120 station tool changer
1	MORI SEIKI MH50 7 pallet table size 500 x 500, Travel X 630 Y 600 Z 650, Full B axis station 120 tool changer
2	TOYODA FH55 Twin pallet table size 550 x 550, Travel X 750 Y 750 Z 600, Full 4th axis indexing 60 station tool changer
1	MORI SEIKI SH630 Twin pallet table size 630 x 630, Travel X 840 Y 760 Z 840, B axis 1 degree indexing 60 station tool changer
1	KITAMURA HX630i Twin pallet table size 630 x 630, Travel X 1100 Y 900 Z 900, Full 4th axis indexing 60 station tool changer
1	KITAMURA HX630G Twin pallet Table 630x630, Travel X1100 Y920 Z1050, Full 4th Axis indexing, 60 Station tool changer
1	MAZAK H-800 Six pallet table size 800 x 800, Travel X 1300 Y 900 Z 900, B axis 1 degree indexing 80 station tool changer, Mazatrol CAM-M32 control
1	MAZAK FH8800 Twin Pallet Table 800x800, Travel X1300 Y1100 Z1000, 1 deg indexing table, 120 station tool changer
1	DAH - LIH MCH800 Twin pallet table size 800 x 800, Travel X 1350 Y 1000 Z 1000, B Axis 1 degree indexing 60 station tool changer, Fanuc OIMD control
1	DOOSAN DB130 CX Table Size 1600 x 1800, Travel X 3000 Y 2000 Z 1600 W 700, Fanuc 18i Control
1	HELLER TWIN PALLET Table Size 1000 x 800, Travel X 1250 Y 1000 Z 1250 UNI PRO 90 Control
1	HELLER TWIN PALLET Table Size 1000 x 800, Travel X

CNC MACHINING CENTRE VERTICAL

QTY	DESCRIPTION
1	BUTLER ELGAMILL HE8000 Travel X6200 Y1050
1	FANUC DRILL MATE Table size 650 x 380, Travel X 500 Y 380 Z 300
1	LEADWELL VMC 25 Single table size 800 x 400, Travel 500 x 300 30 station tool changer
1	FADAL VMC 80/30 Table size 2000 x 760, Travel 2000 x 760
1	CORREA DIANA BED MILL Table size 2500 X 800, Travel 2000 X 800
1	CORREA A-25 BED MILL Table size 3300 x 800, Travel 3000 x 800
2	MORI SEIKI CV500A Table Size 750 x 550, Travel X 510 Y 500 Z 500 MSC 803 Control
1	JONFORD VMC 2000 SHD Table Size 2200 x 1000, Travel X1250 Y1100 Z800

CENTRE LATHES

QTY	DESCRIPTION
2	SWING UP TO 450 Max distance boring capacity 2m

OPEN MILLING

QTY	DESCRIPTION
1	VERTICAL, HORIZONTAL, TURRET

SLOTING & BROACHING

QTY	DESCRIPTION
1	200 STROKE CAPACITY SLOTTING
2	BROACH

DRILLING

QTY	DESCRIPTION
1	KITCHEN AND WADE 6FT RADIAL DRILL
2	ARCHDALE 5FT RADIAL DRILL

SAWING

QTY	DESCRIPTION
3	AUTO CNC & MANUAL UP TO 500 DIA
1	AUTO COLD SAW UP TO 120 DIA

SUB-CONTRACT SERVICES

DESCRIPTION

HONING
GEAR CUTTING HEAT TREATMENT
GRINDING
SURFACE TREATMENTS & COATINGS

INSPECTION

QTY	DESCRIPTION
2	LK METER FOUR CNC CO-ORDINATE MEASURING MACHINE Capacity 3m x 1m x 1m, Renshaw PH10 probing CMM manager (DMIS compatible) software
2	TRIMOS 600 VERTICAL MEASURING MACHINE
1	ROCKWELL HARDNESS TESTING MACHINE
1	TAYLOR HOBSON TALYSURF
1	FARO GAUGE PLUS 1.2M AREA
1	FARO ARM EDGE 2.7MTR

All measuring equipment is calibrated and traceable to national standards

SYSTEMS AND SUPPORT

QTY	DESCRIPTION
20	AVENTA V6 ERP
1	SEIKI SYSTEMS SCHEDULER V5
20	SEIKI SYSTEMS DNC SYSTEM V5
3	MASTERCAM 2017 LEVEL 3D
2	CIMCO EDIT V7 Programme editor
1	VERICUT CNC SIMULATION SOFTWARE
1	PROCUT CAD/CAM Flame Cutting
1	YOUTRACK VEHICLE TRACKER
1	SAGE ACCOUNTS
20	Microsoft Office Suite 360

ANCILLARY

QTY	DESCRIPTION
1	1 COMPAC 25 TONNE HYDRAULIC PRESS
1	1 HYDRAULIC PRESSURE TEST UNIT
2	2 TURBEX PART WASH UNIT
1	1 HOT POWER WASH UNIT

TOOL ROOM

QTY	DESCRIPTION
1	JONES & SHIPMAN 540 SURFACE GRINDING
1	JONES & SHIPMAN 1051 UNIVERSAL CYLINDRICAL GRINDING
1	CINCINATTI TOOL & CUTTER GRINDING
1	WARD TOOL CUTTER & GRINDING
2	DRILL GRINDERS

SPECIAL PURPOSE

QTY	DESCRIPTION
1	VALVE HYDRAULIC TEST STATION
1	VALVE HYDROSTATIC TEST STATION
1	HYDRAULIC CYLINDER PRESSURE TEST CENTRE
1	Techno wash parts washer

PAINT SHOP

QTY	DESCRIPTION
1	PHOSPHATE PRE-WASH UNIT
2	INDEPENDENT FILTERED SPRAY BOOTHS FOR WET PAINT
2	POWDER COAT UNITS
1	GAS POWERED BOX OVEN 3M X 2M X 2M
1	PARTS WASHER TECHNO WASH 1MTR CUBE

FABRICATION

QTY	DESCRIPTION
1	AC/DC TUNGSTEN OR SHIELDED METAL ARC 300 AMP TIG
10	THERMAL ARC WELDING PLANT UP TO 500 AMP MIG
1	WELDING MACHINES AUTOMATED
1	STATION ROBOTIC WELDING MACHINE
1	AXIS 500 AMP O.T.C MIG/MAG WELDING PLANT
1	CEBORA 150 PLASMA CUTTING PLANT
1	OXY-ACETYLENE WELDING BRAZING & CUTTING BAY
1	AMADA GUILLOTINE 6MM X 3M CAPACITY
1	PEARSON PRESS BRAKE M x 120 TONNE WITH CYBELEC 7200P CNC CONTROL
1	HAND FOLDERS, BENDERS & ROLLERS
1	AMT CORNER NOTCHER

TRANSPORT

QTY	DESCRIPTION
1	DAF 7.5 TONNE GROSS
1	DAF 18 TONNE GROSS CURTAIN SIDE
1	DAF 26 TONNE GROSS FLAT BED
1	NISSAN NAVARA PICKUP 1 TONNE GROSS
1	PEUGEOT BOXER FLAT BED VAN 1.5 TONNE GROSS

PROFILE CUTTING

QTY	DESCRIPTION
1	Multi head CNC cutting machines for cutting thickness from 3mm through to 150mm Bed size 3m x 9m
1	Single head CNC cutting machine for cutting thickness from 3mm through to 150mm

STOCK PLATE SPECIFICATION

- BS EN 10025 S275 JR (BS4360 43A)
- BS EN 10025 S355 JR (BS4360 50B)
- BS EN 10025 S355 J2 G3 (BS4360 50D)
- 080M40 (EN8)
- HARDOX 400
- RQT 701

Other plate specifications available on request.

SERVICES

- Extensive machining, stress relieving, grinding, shot blasting, ultra sonic testing
- Profiles can be supplied from drawings, templates, samples or DXF files



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Unilathe is a well-respected brand name within its market and its people provide proven engineering skills with a positive attitude to embracing change. Their aim is to deliver customer focused, highly responsive and totally integrated manufacturing partnerships to key industry customers in terms of their OEM and MRO engineering requirements.”

