

# **wkwprecision** **Engineering**

***“Competitive, Reliable, Quality Service”***

## Turning Capacities



Machine	Model	Max: Dia ("x")	Max: Length ("z")
Colchester	Tornado 200	254mm	400mm
Colchester	Tornado 300	300mm	600mm
Colchester	Kombi K4	554mm	2032mm
Hardinge	Talent 10/78	356mm	560mm
Hardinge	Talent 10/78	356mm	560mm
Hardinge	GS 200	284mm	406mm
Hardinge	GS 250	356mm	600mm
Doosan	Puma 400B	550mm	1043mm
Doosan	Puma 2600	481mm	750mm
Doosan	Lynx 220B	320mm	525mm
Doosan	Lynx 220B	320mm	525mm
Binns & Berry	Data 90	750mm	250mm
Binns & Berry	Data 1000	600mm	4000mm
D. S & Grace	2415 Manual +	615mm	4000mm



## Milling Capacities

Machine	Model	Max ("x")	Max ("y")	Max ("z")
Hardinge	VMC 760	760mm	610mm	610mm
Hardinge	VMC 1000	1020mm	610mm	610mm
Bridgeport	VMC 800	800mm	510mm	600mm
Bridgeport	VMC 800 X	800mm	510mm	600mm
Quaser	MC184 P	1020mm	610mm	610mm
Quaser	MC184 E	1020mm	610mm	610mm
Quaser	MC184 P	1020mm	610mm	610mm
Quaser	MC184 E	1020mm	610mm	610mm





### E.D.M. Capacities

Machine	Model	Max ("x")	Max ("y")	Max ("z")
Charmilles	440C	1200mm	700mm	400mm
Max Work	Area	300mm	350mm	400mm
Actspark	SP1	790mm	480mm	235mm
Max Work	Area	320mm	250mm	235mm
Charmilles	Form 30	1000mm	700mm	400mm
Max Work	Area	600mm	400mm	400mm

### Boring Capacities

Machine	Model	Positional ("x") Dim	("y") Dim
Kearns & Richards	SH75 Borer	Horizontal	1000mm

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In addition to general machining and turning, WKW offers a tool re-grinding service that includes drills, reamers, end mills, slot drills and side and face cutters in high speed steel (HSS) and carbide.

We also provide form cutters/tools in HSS and carbide for milling, drilling and turning applications. Internal and external splines, sprockets and gears.

Our manual machine shop offers full facilities for turning, milling, drilling and the grinding of external and internal tool surfaces. We also have an extensive range of gear cutting machines and cutting tools. Our machinery includes:

Colchester Mastiff 1400

Triumph 2000 Lathe

Ward 7 Lathe

Ward 3A Lathe

Accura Simplex Internal & External Oil Groover

We can provide customers with straight and helical gears, bevels, worm/worm-wheels, racks, splines, serrations, key-ways, and broaching (splines, serrations, squares, rectangles and hexagons). A wide selection of screws and thread forms is also available. Thread milled screws up to 50mm (2 inch) diameter x 5 metres (16 feet) long can be made or we can machine screws with a diameter larger than 50mm and up to 2400mm (8 feet) long.

Thread forms available include: stub, acme, square, trapezoidal and buttress.

WKW Precision Engineering Co. Ltd.  
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## Our Accreditation

WKW Precision and the manufacturing of precision engineered products is assessed by the Chamber Certification Assessment Services (C.C.A.S.) and accredited to British Standard **ISO 9001:2015**. WKW is currently also working towards the I.S.O.14001 Environmental Certification and the OHSAS 18001:2007 Occupational Health and Safety Qualification.

## Co-Ordinate Measuring

A climate controlled inspection department means that measurements are consistent and equipment standards are always maintained. Accurate component checking both during and as part of a final inspection procedure ensures a quality finished product. Co-Ordinate Measuring Machines (C.M.M.) allow us to measure dimensions with precision accuracy that will highlight any flaws in the manufacturing process.



Industries that we currently manufacture for are in the Nuclear, Oil & Gas, Petrochemical, Food, Machine Tool Trade, Rail and Sub-sea Exploration with projects completed and shipped to U.S.A, Norway, Singapore, Nigeria, Poland & India.

## Portable / Workshop Inspections

In addition to co-ordinate measuring machines we have the benefit of a portable workshop/ inspection that has a measuring area of 1200mm ( 4ft) of spherical volume and has an accuracy of 0.018mm (0.0007in.). The Portable Faro Gage Plus has been designed for the shop floor and allows personnel the ability of a fast set up which allows parts to be measured quickly, easily and above all accurately.



**14 x C.N.C. Turning Centres**

**8 x C.N.C. Milling Machines**

**5 x Co-ordinate Measuring M/C's**

**3 x C.N.C. Electrical Discharge (E.D.M.)**

**Liquid Penetration & Hardness Inspections**