

APPERLEY HONING

Apperley Honing is the largest independent specialist honing company in the UK.

Registered to BS EN ISO 9001:2008, exceeding clients targets on lead times and quality are paramount to the success of this family owned business.

Honing bores from 3mm to 1050mm diameter and lengths up to 17 metres, experienced quality inspectors will ensure you receive your valuable work pieces on time and to your exact specification.



“honing excellence
since 1963 ”

sales@apperleyhoning.co.uk | +44 (0)1242 525868 | apperleyhoning.co.uk

Hand Honing

Geared up to the challenges and lead times of the Formula One and Motorsport industry, production capabilities include a “same day service”, 2 working days and 5 working days turnaround service.

Specialist operators, trained to work on high performance alloys with blind ends and capable of achieving exceptionally precise tolerances of less than 10 microns will push the boundaries and help you achieve the complex surface finishes you require.

Apperley Honing now also provide a hone, anodise, hone service, ensuring complete traceability throughout the process from design to delivery.



“same day service”

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Vertical Honing

Whether you are looking at the intricate polishing of a one off complex casting or large production batches, Apperley Honing's vertical machines are capable of producing components round and parallel to 5 microns, with a surface finish of 0.1µm Ra.

CNC and traditional "nodding donkey" honing machines work alongside each other with specialist tooling to produce the very best results whilst maintaining tight deadlines.

Apperley Honing's skilled operators are experienced in achieving different cross hatch angles and complex surface finish topographies which can be verified using the latest computer analysis software.

“tight tolerances a speciality”



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Tube Honing

Tube honing used to be all about steel tubes for hydraulic cylinders however now the majority of Apperley Honing's work is with aluminium, titanium, Inconel, nimonics and hard chrome materials.

Experienced operators are able to apply their specialist honing skills to successfully achieve specific wall thicknesses. Using ultrasonic inspection equipment the wall thickness of random length tubes can be reduced down to 1.00mm.

Apperley Honing have developed a unique process called "Contourhoning" which focuses on producing a superfine surface finish totalling eradicating the weld bead and orange peel that can remain in drawn tubes.

With several 8 metre stroke machines in the subcontract department, extra long tubes, up to 17 metres long, can be honed from both ends, producing an invisible blend whilst maintaining an H8 tolerance and a 0.15µm surface finish.



“3mm - 1050mm
diameter”



HAND HONES

Delapena	Speedhone EA
Delapena	Speedhone EM
Delapena	E2000
Sunnen	1660
Sunnen	1805

VERTICAL HONES

Delapena	Powerhone
Delapena	Beamstroker
Sunnen	CK10
Sunnen	CK21
Sunnen	SV10
Sunnen	CV616

TUBE HONES

Apperley	J2
Apperley	J5
Apperley	T3
Apperley	T8
Barnesdrill	#6
Delapena	HHM 20/25

“up to 17 metres
length”



Used Honing Machines

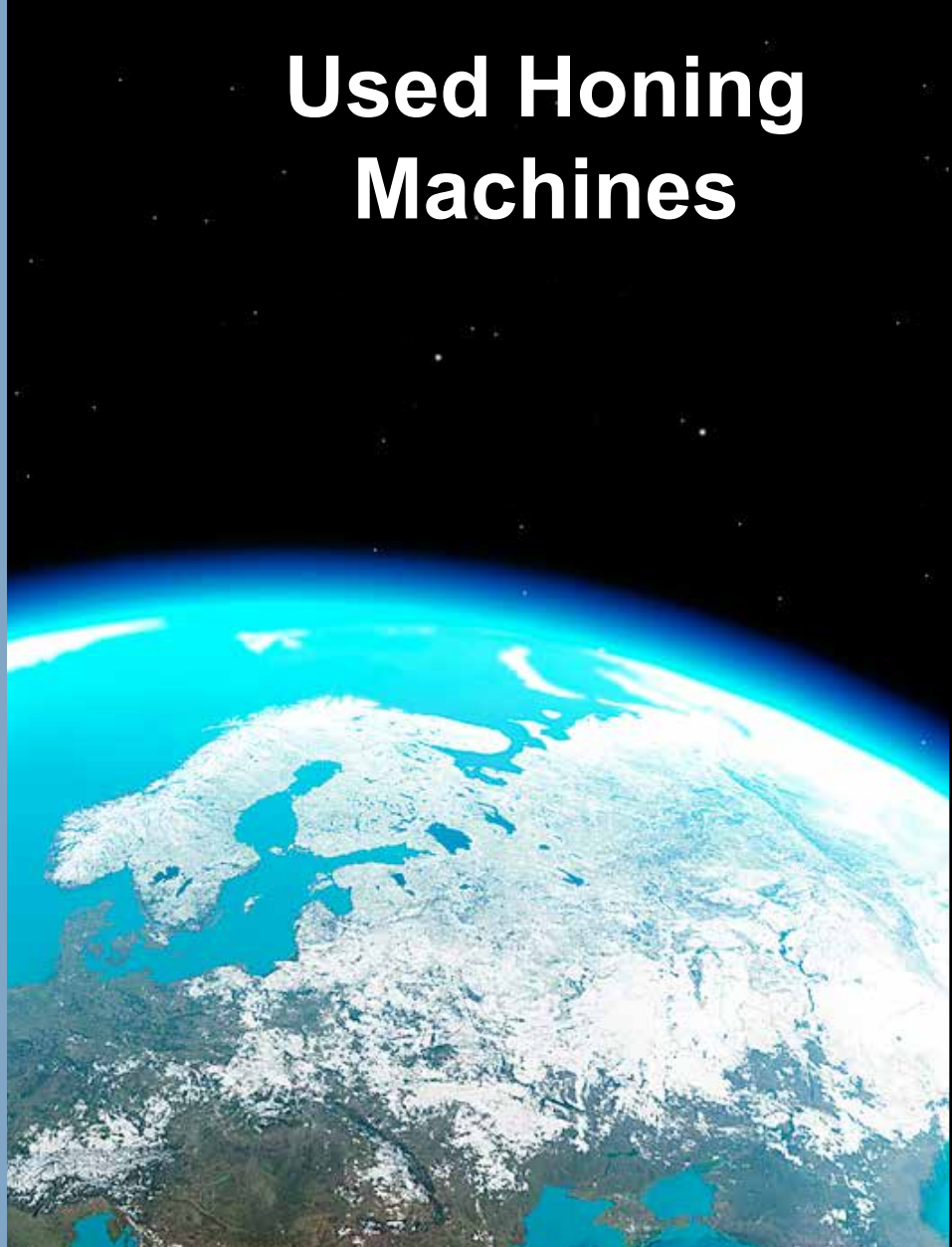
Apperley Honing specialise in buying and selling

- Delapena honing machines
- Sunnen honing machines
- Barnes honing machines
- Apperley honing machines
- Raybrook honing machines

Apperley Honing's used honing machine department buy, sell, service and recondition honing machines of all types and sizes and, if required, can carry out trials, deliver, install, commission and provide operator training, just as if supplying a new machine.

Machines can be viewed on site in Cheltenham where trials can be carried out on your components, training provided for your staff and honing oil and consumables can be purchased to ensure you are able to get production capacities up to speed as quickly as possible.

Scan the code to see our current stock or contact us for more information.



“buying and selling
internationally”

A large industrial honing machine with a blue motor and a long metal shaft. The machine is white and has a protective enclosure. The background is a light blue wall.

APPERLEY HONING

New TUBEHONES

Designed and built by honing engineers, the Apperley TUBEHONE provides the strength and power of a heavyweight with the control and flexibility of a lightweight machine.

Apperley TUBEHONES have powerful 15kW rotation, 15kW stroking and 5.5kW expansion motors. With modern electronics providing easy controls and a touch screen HMI allowing simple set up and operation, this clever design uniquely encloses all the potentially dangerous moving parts whilst pre-programmed creep fields further ensure operator safety.

Designed to tackle blind ends, thin walls and tight tolerances. Apperley Honing currently have an eight metre TUBEHONE operating in the busy subcontract department which can carry out any trials and give a full demonstration.

TUBEHONE machines are bespoke and are made to order. They can be specified with 2, 4, 6, 8 or 10 metre stroke lengths and in a first for the honing market, short stroke machines can be retrofitted with extensions to increase stroke length at a later date.

“bespoke design
and build”

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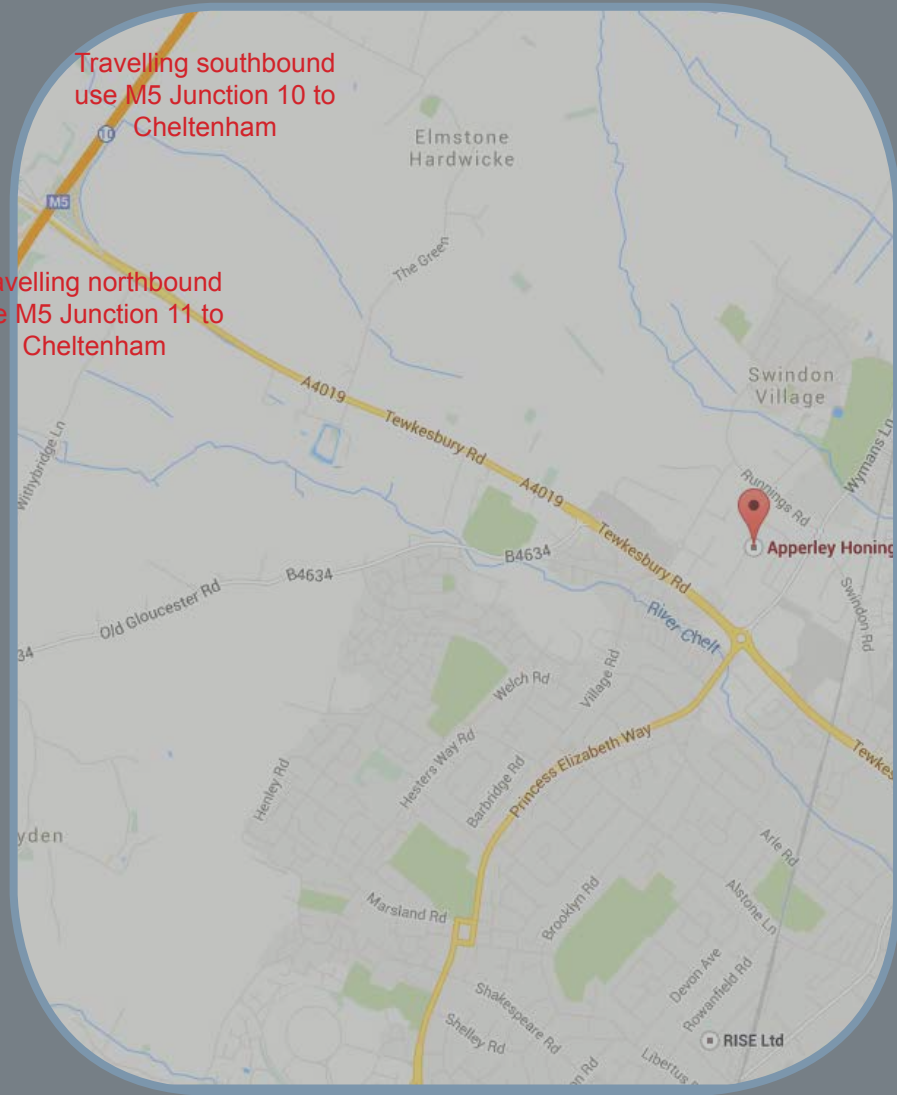
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Travelling southbound
use M5 Junction 10 to
Cheltenham

Travelling northbound
use M5 Junction 11 to
Cheltenham



“sat nav GL51 9PL”

