



**INNOVATIVE
TOOLING
SOLUTIONS**



QUALITY • PRECISION • CONSISTENCY • DURABILITY WWW.ITSTOOLING.COM

Controlled Boring and Contouring Head System



An exceptional level of quality, performance and reliability which simply cannot be matched //

Innovative Tooling Solution

ITS has been at the forefront of the innovative tooling solutions market delivering an exceptional level of quality, performance and reliability which simply cannot be matched.

Our comprehensive range of Controlled Boring Systems and Contour Facing Heads enable you to realise the full potential of your Machine Tools with “W” and “Z” axis CNC control capability.

Our expertise and experience will ensure you get the optimum tooling solution for your requirements, whether its one of our standard products or a custom designed solution to suit a specific project.

To find out more visit www.itstooling.com or call us on +44 (0)1592 630952.



ITS Controlled Boring System

Our market leading solution designed for maximum rigidity and high performance on both forward and back boring and contouring operations.



ITS Controlled Facing Heads

A range of heavy duty contouring heads. Applied to contour geometry boring facing and overturning in diameters ranging from 0mm to greater than 1250mmn. With adjustable counterbalance options available.



Bespoke Tooling Solutions

Whatever your application and technology, our experienced team of tooling experts can help to design, develop and manufacture the perfect tool to deliver maximum results.

Controlled Facing Heads

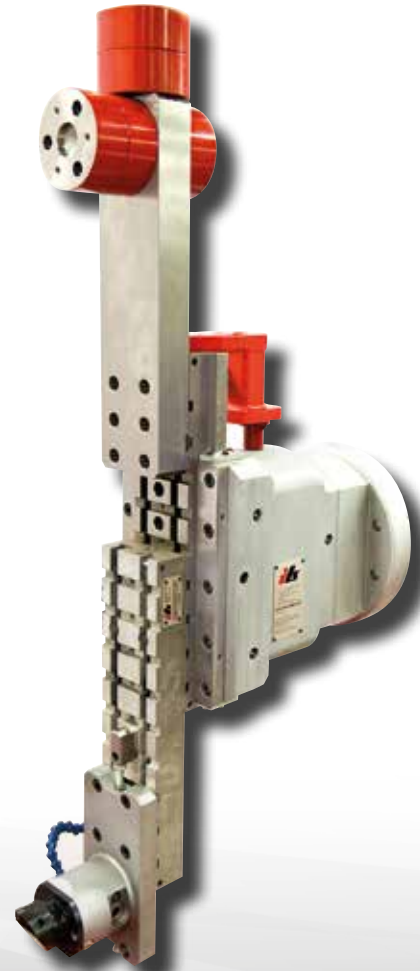


ITS Controlled Facing Heads

Our heavy duty contouring heads are designed to perform internal and external contouring, profiling, grooving, straight and tapered threading, turning/boring, facing, chamfering, spotfacing and phonographic finish operations in diameters greater than 1.25 metres.

ITS Balanced Controlled Facing Heads

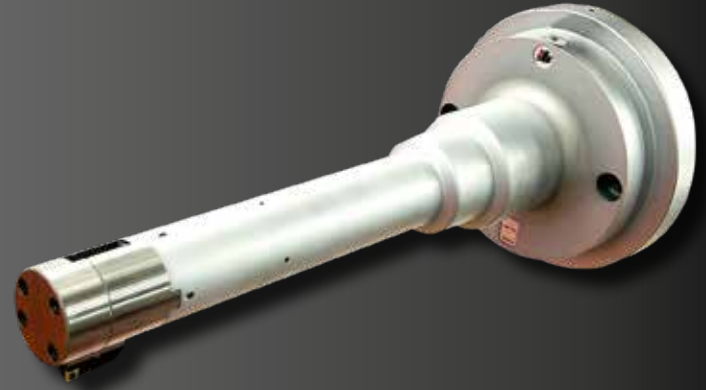
Counter balance options ensure that the accuracy, reliability and repeatability is maintained across the full range of the heads as applied to extended applications.



Controlled Boring System

Our system can be interfaced on machine tools with "W" and "Z" CNC axis capability such as Horizontal Boring Mills, Millturn Machines, Deep Hole Boring Machines, Machining Centres and Specially Adapted Machines.

Check out our website for more information



CBS-S

Single Cutter Solution

Our original market leading solution delivers unparalleled performance and accuracy to achieve contour geometry boring, threading and grooving



CBS-T

Twin Cutter Solution

Our twin cutter controlled boring tools deliver even greater control and precision thanks to the dynamically balanced cutting technology.



CBS-ES

Extended Reach Solutions

Offering Modular Controlled Boring tools at lengths over 2000mm with support elements to suit the application as applied to internal valve seat pocket machining and bottle boring of internal contours as applied to aircraft landing gear and jet engine turbine shafts.



CBS-M

Micro Boring Solution

Our high speed Micro solution delivers absolute precision for intricate projects from 0mm to 75mm

How Our Tools Deliver Unrivalled Control And Precision?

With over 30 years of continuous improvement, we have developed our tooling system to meet the most demanding of environments and achieve the most stringent tolerances.

At the heart of our tooling is a multi-tooth straight line cam interface, which increases the amount of face to face contact area in the cam keys. This allows the mechanism to maintain exceptional straight line displacement characteristics throughout the stroke.

This delivers maximum rigidity even at the end of stroke, when the slide/cartridge assembly are at the maximum radial distance from the bar body, where cutting forces are at their extreme.



Why ITS is the World's Leading Tooling Solution

The Innovative tooling Solutions system has been developed by us, and is used by us as group to machine many of the component types and applications you yourselves manufacture. Other companies may copy what we've developed, but they have a reliance on the customer solving any problems that their systems have.

Customers come to us to have their problems solved, and we have the capability to perform machining trials and full testing before the tools are despatched. So, when you invest in our equipment, you have complete peace of mind it's already a proven working tool.

Potential Applications

- Seat Pockets
- Valve Bodies & Blocks
- Pumps, Connectors & Couplings
- Casing Spools
- Heads & Hangers
- Connectors, Tubes & Pipes
- Christmas Trees
- Flanges
- Bottle Boring
- Landing Gear

Service Centres

The ITS range of tools are required to do some tough, demanding and high value jobs so it is crucial that they are kept ready for use.

With dedicated service centres around the world, our highly trained technicians can deliver on site solutions to ensure you minimise expensive downtime and reduce the danger of a breakdown.

You can also enjoy the peace of mind that our service technicians only genuine ITS parts and every job is covered by a 12 month warranty.



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