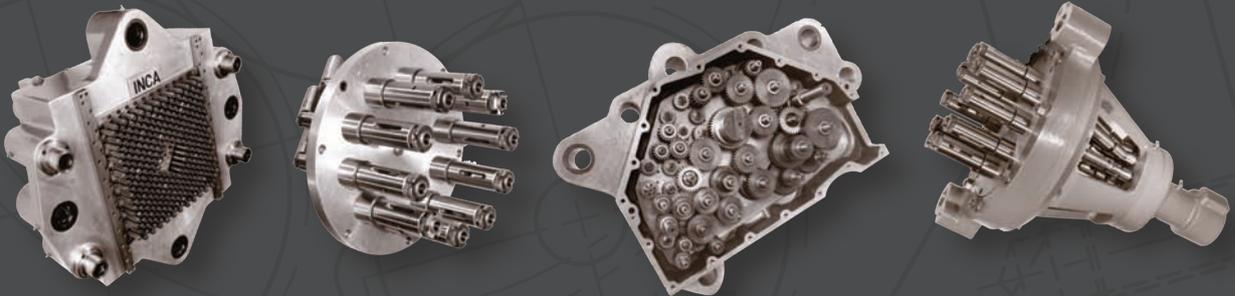




GEOMETRIC

The Specialist in Multi-Drill Heads



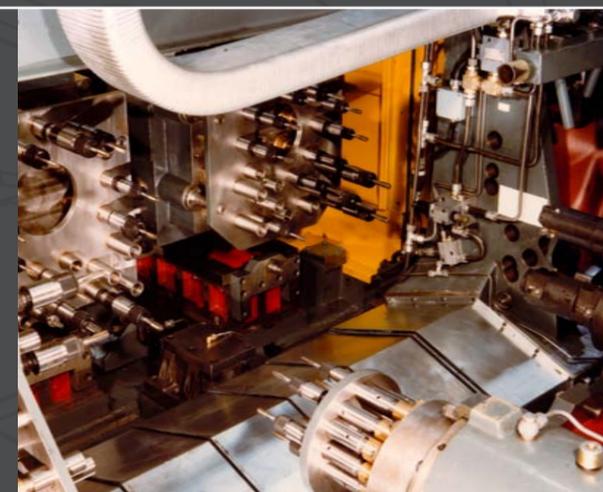
- Special Drill and Tap Units
- Production Hole Making
- Machining Centre Heads
- New and Re-engineered Heads
- NC Heads
- Head Reconditioning and Service



Multi-head

Design + Manufacture

Inca Geometric has the full capability to design using SolidWorks, machine including jig boring, gear cutting, broaching and splining, heat treatment and grinding, assembly and test. Both new, reconditioned and re-engineered multi-heads can be supplied from our Chartham facility.



Multi-head types

- Geared fixed centres
- Gearless fixed centres
- Adjustable centres
- Combination boring units
- Customised machine mounting
- Corrected speed ratios
- Hollow bore, collet, morse taper types
- Bush plate and bolster assemblies

Inca Geometric is a precision engineering company with the capability to design, manufacture, build and re-engineer special purpose machine tools and test rigs and provide a wide range of engineering services using a multi-skilled team from a fully equipped machine shop and fabrication facility. Inca Geometric is also able to provide sub-contract machining services to a wide range of industries.

Multi-heads for CNC machines

Multi-heads stored in the toolchanger of a CNC machine can significantly improve productivity and machine utilisation. Our design team has the experience to advise on practicality, weight, size, lubrication and location.

Pitch-controlled tapping heads

Each individual spindle can be fitted with its own pitch control. Stroke control is available for blind holes.

Two spindle motorised fine boring

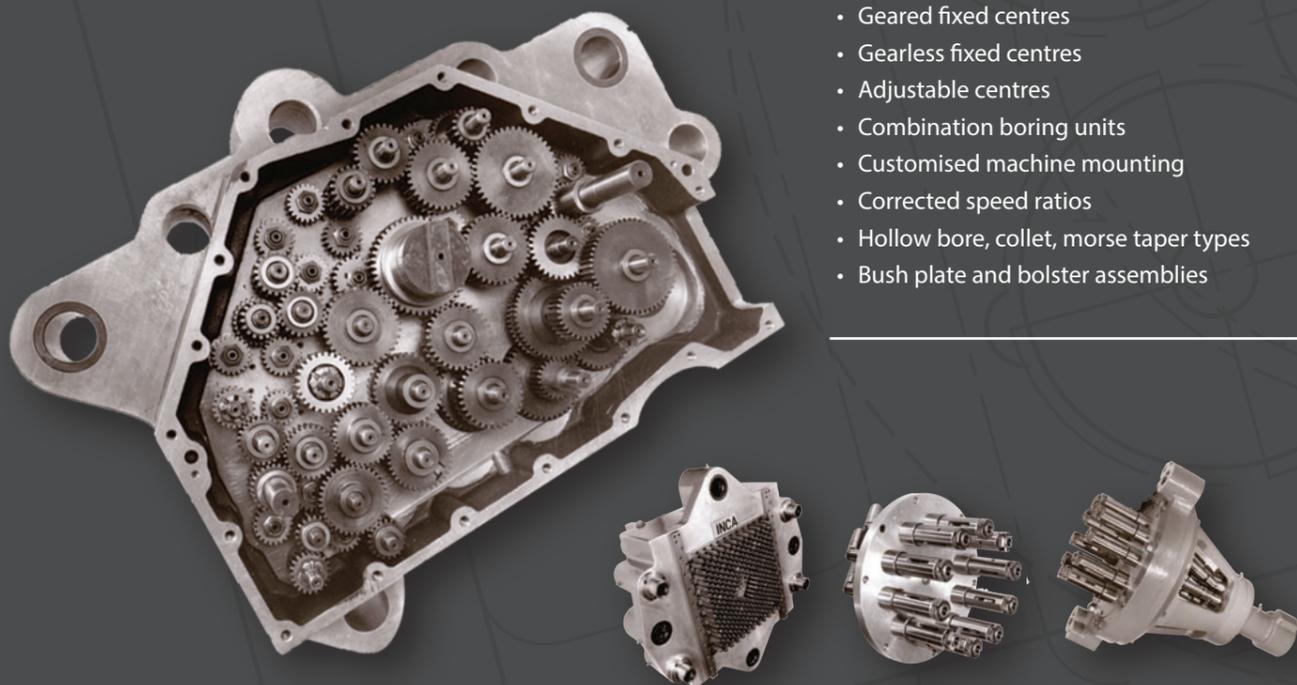
Cartridge-mounted spindles provide indexing capability for alternative locations to accommodate spindle centre variations.

Special purpose applications

Involving complex multi-face drilling, tapping, boring and reaming have been provided by Inca Geometric to a wide range of industries in the UK and overseas.

Inca Geometric has supplied bespoke multi-drill heads weighing up to 5,000 kg.

Inca Geometric has the capability to recondition and re-engineer multi-heads including spindle, gearbox and complete unit-heads for special purpose machine tools.





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Inca Geometric was set up in 1956 as a specialist in multi-head design and manufacture. As part of its success was the design of close-pitch centre units, combination boring, fixed and adjustable heads for gang drilling, reaming and tapping. Customers have included automotive, fuel injection, off-road vehicle and pump manufacturers spanning a wide range of applications in different materials from cast iron, aluminium to high grade steels.

In 1962 Inca expanded its expertise into special purpose machine tool build that incorporated significant projects involving multi-heads that led to major installations both in the UK and overseas.