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Precision Component Technology



Complex
Cold Forming
Limited

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Strength and Reliability in Cold Forming...



CCF Typical Cold Forming Machine



Valve Spring Retainers range from 15mm - 45mm outside diameter

Complex Cold Forming specialises in the manufacture of Valve Spring Retainers, Taper, Parallel, Non Headed & Headed Threaded Pressure Plugs and Extruded Components.

CCF is a truly global business selling valve spring retainers and engine plugs to the worlds automotive industry. Our customer base includes, The Ford Motor Company, General Motors, Perkins, Cummins to name but a few.

The company has ISO9002 quality accreditation and has many individual UK and Overseas Customer quality awards too. CCF's commitment to quality is total and unequivocal. The use of all the modern techniques for APQP, Pre Production Advanced Quality Planning and Continuous improvement are encompassed totally as part of the daily work patterns.



A Single Source for Quality Engineered Components...

CCF has some leading edge cold forming equipment, which has quick change over capabilities to maximise production up time. This gives CCF a competitive advantage over its rivals and this can be seen with the world-wide spread of its new business growth.

In many applications the cold forming process can provide significant advantages over alternative production methods. Good examples of this are valve spring retainers and extruded parts similar to those illustrated. Higher strength and better reliability are achieved due to the improved grain flow structure that is inherent in the cold forming process. High speed production of such parts

and reduced raw material (Wastage) also brings the advantages of lower unit costs.

Our range of cold forged tapered pressure plugs give higher strength with more accurate thread profiles. These can be supplied with a variety of finishes, including Hexavalent Chrome free, and a choice of many micro encapsulated thread locking and sealing compounds if so required.

Whatever your component needs, early consultation with CCF's application engineers can pay big dividends as their advice can often lead to improvements in components strength, quality and lower production costs.



CCF Typical Automated Thread Rolling Machine



Plug range 8mm - 36mm thread diameter

