

Horizontal Counterblow Forging

Horizontal Impacter Forging is the latest addition to our manufacturing capability. A Model C Automated Impacter has been installed at our manufacturing site based in Stourbridge, increasing our capacity to 16 hot forging cells.

This process can achieve a more uniform product, using less energy compared to other forging processes. High volume, and consistent, production of excellent quality forgings with improved lead times.

We believe that the introduction of Impacter Forging will enable us to offer the lowest possible production cost for medium to high volume forging in the UK.



FULLY AUTOMATED SYSTEM

Sawn billets are loaded into a hopper which transfer's them onto an automated production line. The billets are directed through a Radyne induction heater to heat the bars to the required temperature which are then picked up by a custom robotic arm system called the pallet feed. It is hydraulic servo driven and precisely locates the pre heated forging stock into the appropriate die locations.

The combination of programmable energy levels, blow patterns and the programmable stock handling features mean the impacter is a fully automatic production system that has no reliance on manual manipulation skills whatsoever. Only contact between the stock and the die occurs, helping to provide a longer die life and a more consistent forging.

See a video of this process on our website.

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