

HORIZONTAL COUNTERBLOW FORGING

Horizontal Counterblow Forging is an automated process designed for high volume rapid production, yielding a forged component every 2.5 seconds.



Horizontal counterblow forging is a specialised hot forging process in which two opposing rams or dies are accelerated toward each other simultaneously, with the hot workpiece positioned between them.

Unlike traditional drop hammers, where the top die strikes a stationary bottom die, both dies in counterblow forging contribute equally to the impact energy. This symmetrical action ensures that the entire energy of the impact is absorbed by the workpiece.

This method is particularly effective for high volume production of smaller forgings with excellent grain flow and mechanical properties, as the controlled and balanced impact allows for precise metal deformation resulting in a higher quality component.

