

## SWAGING & POINTING

Our swaging and pointing processes facilitate both cold and hot forming to precisely reduce the cross-section of solid round bars, square sections, and tubing.



Swaging is a high-efficiency metal-forming process that reshapes a workpiece through intense compressive force. By utilising specialised dies to apply rapid, repetitive strikes or by precisely forcing material through a fixed die, the process "moves" the metal into the desired geometry rather than cutting it away. This methodology ensures maximum material yield, resulting in a cost-effective solution with minimal to no scrap production.

While frequently performed cold to take advantage of work hardening, which enhances structural strength and surface finish, swaging can also be conducted hot to increase malleability.

This versatility is ideal for reducing the cross-section of solid bars, square profiles, and tubular sections. Beyond diameter reduction, it is essential for creating precision tapers and forming points, resulting in components with refined grain structures and superior mechanical durability.

