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Principles Of Metal Manufacturing Processes

Manufacturing operations are classified into primary and secondary processes. For metals, primary manufacturing refers to the conversion of ores into metallic materials. Secondary manufacturing is the conversion of products from the primary operation into semi-finished or finished parts.

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Metal fabrication is the creation of metal structures by cutting, bending and assembling processes. It is a value-added process involving the creation of machines, parts, and structures from various raw materials.. Typically, a fabrication shop bids on a job, usually based on engineering drawings, and if awarded the contract, builds the product.

Metal fabrication - Wikipedia

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Forming: The category of manufacturing by metal forming includes a large group of processes that use force to induce a shape change in a metal, by mechanical working and plastic deformation. The most desirable quality of a manufacturing material as a candidate for a metal forming process is high ductility and malleability and a lower yield strength of the material.

Manufacturing Process

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