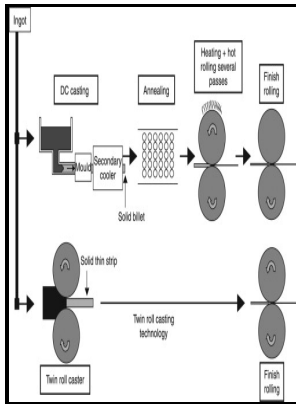


# Continuous casting of aluminium.

## Institute of Metals - Horizontal & Vertical Continuous Casting Production Process



Description: -

-Continuous casting of aluminium.

-Continuous casting of aluminium.

Notes: Photocopy of an article in International Metals Reviews, no.206, June 1986, pp. 75-115.

This edition was published in -



Filesize: 4.54 MB

Tags: #Continuous #Rod #Casting

### Continuous Casting and Rolling for Aluminum Strip and Foil

Investment casting known as lost-wax casting in art is a process that has been practiced for thousands of years, with the lost-wax process being one of the oldest known metal-forming techniques.

### Continuous Casting and Rolling for Aluminum Strip and Foil

As the metal flows down into a water-cooled die at the bottom of the crucible during vertical continuous casting, solidification of the alloy occurs.

### Aluminum Strip Casting :: Total Materia Article

Originally invented as the de Lavaud process using water-cooled molds, the method is applied to symmetrical parts such as soil pipe and large gun barrels and has the advantage of producing parts using a minimal number of risers. In the present work, through the numerical computer simulation, in first, we have developed the thermal model of the solidification behavior of the casting bar. This often requires a secondary process, known as fettling, to be necessary to remove such imperfections by cutting, grinding, or sanding.

### Types Of Casting Processes

With precise control of temperature, the desired grain structure and metallurgical properties are created.

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