

Title (en)
SKEW ROLLING MILL WITH DUAL-ROTATABLE-SHAFTS

Title (de)
SCHRÄGWALZWERK MIT ZWEI ROTIERENDEN WELLEN

Title (fr)
LAMINOIR OBLIQUE DOTÉ D'ARBRES ROTATIFS DOUBLES

Publication
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Application
EP 20180751 A 20200618

Priority
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Abstract (en)
The present invention relates to the technical field of metal plastic forming processes and equipment and provides a skew rolling mill with dual-rotatable-shafts, which comprises a base unit, a guide plate unit, a left bed rotatable shaft, a right bed rotatable shaft, a left bed, a right bed, a left synchronizing gear, a right synchronizing gear, a left roll system, a right roll system, a left roller, a right roller, tilt angle adjusting bolts and a roller distance adjusting unit. The guide plate unit is fixed on a base; the two bed rotatable shafts are symmetrically arranged about the axis of a billet; the left synchronizing gear and the right synchronizing gear are engaged, such that the two beds are synchronously centered and pressed down; the two rollers are coaxially fixed by the two roll systems respectively; the tilt angle adjusting bolts are used for adjusting the tilt angles of the two rollers; the roller distance adjusting unit is used for adjusting the opening of the two beds to change and adjust the roller spacing between the two rollers; and under the action of the friction force of the rollers/the billet, the billet is subjected to skew rolling forming between the two rollers. The skew rolling mill has the advantages that the beds are synchronously centered and pressed down, the vertical center line does not offset, the strength of the beds is high, the mounting and debugging are simple and the like such that the skew rolling mill can be applied to mass skew rolling forming of middle and small size parts.

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