

Title (en)

METHOD FOR WARPING THE MACHINE BED AND/OR THE PRESS RAM OF A PUNCHING PRESS AND PUNCHING PRESS

Title (de)

VERFAHREN ZUM VERWÖLBEN DES MASCHINENBETTS UND/ODER DES PRESSENSTÖSSELS EINER STANZPRESSE SOWIE STANZPRESSE

Title (fr)

PROCÉDÉ POUR COURBER LE SOCLE DE MACHINE ET/OU LE COULISSEAU DE PRESSE D'UNE PRESSE À DÉCOUPER ET PRESSE À DÉCOUPER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2014201576A1] The invention relates to a method for warping the machine bed (5) and/or the press ram (2) of a punching press to compensate at least partially for the bending of the machine bed (5) or of the press ram (2) caused by the punching force during punching operation. According to the invention, for this purpose a temperature gradient is specifically produced within the machine bed (5) and/or within the press ram (2), with the effect of making the machine bed (5) warp in the direction of the press ram (2) and/or of making the press ram (2) warp in the direction of the machine bed (5). In this way it is possible with very little expenditure on plant or equipment to preform machine beds (5) and press rams (2) of punching presses to compensate for instances of bending caused by the punching force, without having to deviate from existing, tried-and-tested structural concepts. Moreover, the method according to the invention can also be used in the case of existing presses.

IPC 8 full level

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