

Title (en)

SHEET METAL BENDING MACHINE AND PRODUCTION LINE INCORPORATING A MACHINE OF THIS TYPE

Title (de)

BLECHBIEGEMASCHINE UND PRODUKTIONSANLAGE MIT DERARTIGER MASCHINE

Title (fr)

MACHINE A CINTRER LES TOLES ET LIGNE DE FABRICATION INCORPORANT UNE TELLE MACHINE

Publication

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Application

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Abstract (en)

[origin: WO2006045942A1] The invention relates to a roller-type sheet metal bending machine comprising a so-called bending roller (20), which is rotationally driven and around which the sheet metal winds, and comprising at least two supporting rollers (19) designed for receiving, while being pressed against by, a sheet metal that is being bent around the bending roller (20). The supporting rollers (19) are mounted so they can freely rotate on a support (11) and can be adjusted in the height thereof whereby adapting the clearance between the bending roller (20) and the supporting rollers (19) to the thickness of the sheet metal. The bending roller (20) is associated with at least one set of means (21, 23) for compensating for, at least in part, its deflection. The supporting rollers (19) are associated with at least one set of means (11) for compensating for their deflection, this set being able to be adjusted according to the potential residual deflection of the bending roller (20). The set of means (21, 23) for compensating for the deflection of the bending roller (20) comprises an arm (21) provided with a housing (22) inside of which the roller (20) is partially accommodated, as well as means (23A, 23B) for holding the roller (20) inside the housing (22). The invention particularly serves to produce tubes with a high ratio of length to diameter.

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