

Title (en)
Tube bending machine.

Title (de)
Rohrbiegemaschine.

Title (fr)
Cintreuse pour tubes.

Publication
EP 0446819 B1 19940518 (DE)

Application
EP 91103632 A 19910309

Priority
CH 79790 A 19900313

Abstract (en)
[origin: EP0446819A2] In a tube bending machine with an elongate machine frame (11) of a receiving device (32) for a bending mandrel and a feed carriage (25) with a clamping sleeve (6) for clamping a tube, the receiving device (32) for the bending mandrel and the feed carriage (25) is provided with guides for a displacement transversely to the longitudinal direction (8) of the machine frame (11). Arranged at a head end of the machine frame (11) is a bending table (13) with bending forms (36, 37). A swivel arm (7) with a gripping jaw (41) can be swivelled about a vertical axis (38) to carry out the bending. In order to be able to bend a tube to be processed either to the left or to the right and/or with bending radii of various sizes, it is proposed that the feed carriage (25) with the clamping sleeve (6) should be arranged in such a way that it can be displaced in the longitudinal direction (8) of the machine frame (11) along a longitudinal guide (15), and that the feed carriage (25), the receiving device (32) for the bending mandrel and the longitudinal guide (15) together form a displacement unit which can be moved jointly transversely to the longitudinal direction (8) of the machine frame (11). The bending table (13) should furthermore be mounted so as to be rotatable parallel to the longitudinal direction (8) of the machine frame (11) about an axis (14). One of the bending forms (36, 37), one gripping jaw (41, 42) and one slide rail (47, 48) is arranged on each side of the axis (14). The bending forms (36, 37) can be moved alternately into a working position or standby position by rotating the bending table (13). <IMAGE>

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CPC (source: EP)
B21D 7/024 (2013.01)

Cited by
EP1226887A1; CN108225937A; CN103537586A; EP1396294A1; EP0538207A3; EP1350577A1; DE19830962B4; US5927126A; EP0872292A3; CN101862796A; CN103464549A; US6128940A; CN103464547A; EP1350578A1; DE102009038384A1; EP2289643A3; CN117299901A; DE102016101908A1; DE102016101908B4; CN110560524A; US6854311B2; US10232424B2; WO2011029594A3

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