

Abstract

Tool Holder with Punching Units

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A tool holder for a punch press has several punching units (14), which are seated in the holder (10) of tool receivers (12) and have gas pressure springs (15) for retracting the punches (20). The advantage of gas pressure springs lies in the adaptability of the pressure level to the material to be worked. In order to achieve a faster and simpler matching in connection with multiple holders, it is proposed that the pressure chambers (28, 32) of the gas pressure springs (15) are connected to a common feed line (44), which can be connected with a compressed gas source. This provides the option of simultaneously changing the interior pressure in all gas pressure springs (15).

(Fig. 1)