

Title (en)

DEVICE FOR POSITIONING DIE-CUTTING ROLLERS IN ROTARY CUTTING MACHINES

Title (de)

VORRICHTUNG ZUM POSITIONIEREN VON STANZWALZEN IN ROTATIONSSCHNEIDMASCHINEN

Title (fr)

DISPOSITIF POUR LE POSITIONNEMENT DE ROULEAUX DE POINÇONNAGE DANS DES MACHINES DE COUPE ROTATIVES

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3919264A1] The invention relates to a device that connects the ends of a rotation shaft (9) of a cylinder carrying a cutting die, to an eccentric cam (10) by means of bearings or bushings (11), such that the rotation of the cam, by means of an arm (12) associated with a gear arc (13), which is actuated by an endless screw (14) controlled by an impulse motor (15), causes the eccentricity between shafts during the rotation of the cam to cause a vertical micro movement of the rotation shaft of the die-carrying cylinder, allowing the die to adjust perfectly to different paper thicknesses, so that labels are die-cut perfectly without damaging the base sheet on which they are disposed. The device can be placed interchangeably on the die-carrying cylinder (5), a base cylinder (4) or both, with the added feature of using the system to compensate for the dies, which become worn from use, by bringing them closer for optimal cutting.

IPC 8 full level

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