

Title (en)

A MACHINE FOR WINDING THIN METAL RIBBON CONTINUOUSLY ON SPOOLS

Title (de)

MASCHINE ZUM KONTINUIERLICHEN AUFWICKELN VON DÜNNEN METALLBÄNDERN AUF SPULEN

Title (fr)

MACHINE PERMETTANT D'ENROULER DE MANIERE CONTINUE UN RUBAN METALLIQUE MINCE SUR DES BOBINES

Publication

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Application

EP 02772799 A 20021011

Priority

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Abstract (en)

[origin: US2004245365A1] A machine for winding thin metal ribbon continuously on spools comprising a fixed entry chute (1) to receive the ribbon, a pair of support rollers (3, 3') with a dancing roller (4) between them to support and guide the ribbon delivered through said fixed entry chute (1). A thickness measuring gauge (6) is provided in the path of the ribbon for continuously monitoring the thickness of the ribbon, a snubber roller assembly (30) is provided for pressing the ribbon and a brush assembly (31) is provided for catching the ribbon. A detachable entry chute (7) and a spool changing platform having a first position (P1), a second position (P2), a third position (P3), and a fourth position (P4) are provided in which the first position (P1) is a ribbon attaching station (15) with an empty spool on a winding mandril (19), a second position (P2) is a ribbon winding station (16) with the winding spool on a winding mandril (20), the third position (P3) is a station for unloading the wound spool and loading an empty spool, and the fourth position (P4) is a stand-by station (17) with an empty spool on a winding mandril (21). A hitting rod mechanism (9) is located close to the ribbon attaching station (15) to attach the ribbon to the empty spool on the mandril (19). A ribbon support roller (10) is located between the winding spool at the ribbon attaching station (15) and the winding spool at the ribbon winding station (16) for supporting the ribbon and a delivery chute (11) is provided for removing cut piece of ribbon after attaching the ribbon on the spool.

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