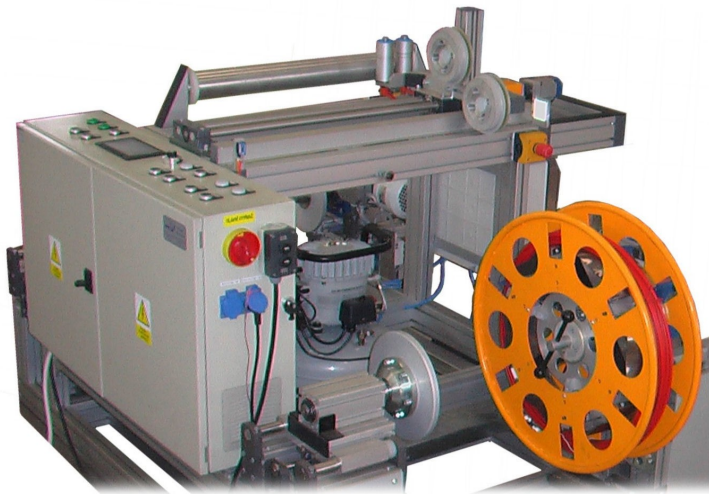


Rewinder of pipes

PT 1



TECHNICAL DATA

Maximum diameter of the reel	900mm
Maximum width of the reel	700mm
Maximum rewinding speed	80 m.min ⁻¹
Dimensions of the machine (LxWxH)	1300x1250x1200mm
Weight of the machine	550kg
Compressed air	0.6MPa
Consumption of air max.	4 litres per hour
Power supply	3 x 400/230V, 50Hz
Power demand	0.9kVA

USE

The equipment is used for rewinding of large laps on pipes onto a reel or into rolls with shortening to desired lengths.

FUNCTION

The rewinder consists of three basic functional parts. One part is designed for manipulation with the input reel and allows its clamping in working position and rewinding at a constant speed. It is controlled by pneumatic cylinders either by pushbuttons on the switchboard or by a switch on the operator's post. The second part provides driving of the lining mechanism of the rewound pipe onto the output reel, including measurement of length of the rewound pipe. Drive of lining is provided by a servomotor with control on a touch display on the panel, where you can set diameter of the rewound pipe and depositing into lines is ensured automatically for all rewinding speeds. The third part allows winding onto a reel after its pneumatic clamping or into a roll on a simply attachable adapter. The used drive provides winding of material with constant tension by a change of the motor torque depending on increasing diameter of the lap. The desired tension can be preset by a potentiometer on the switchboard panel. After presetting the rewinding pipe diameter the control computer controls speed of shifting of the depositing device based on immediate peripheral speed of the reel and preset diameter of material. Any possible corrections of deposition speed can be corrected by the operator using pushbuttons for acceleration or deceleration of travel for the period when the pushbutton is pressed. This function is designed for use, above all, with insertion of a new reel.

ADVANTAGES

The rewinder ensures winding of material by a constant tension for the entire period of lapping. The rewinder ensures even winding layers in wide range of sizes of the reels and diameters of pipes. It also allows comfortable manipulation with full reels. The rewinder of pipes includes its own source of compressed air for functioning of pneumatic circuits.

¹ Change of technical parameters reserved.