

SUPERAUTOMATIC DOUBLING, FOLDING AND MEASURING MACHINE REALTIME

Reference: RF001512

REALTIME

SUPERAUTOMATIC DOUBLING, FOLDING AND
MEASURING MACHINE

MODEL RT-2022

ON PALLET

YOC 2022

General features

Useful width of the doubling triangle cm. 360 Useful
width of the machine cm. 180

Folded material pack, max. height cm. 200

Machine suitable for folding, doubling and measuring
the material while stocking it on perfectly squared
pallets up to max. height of 200 cm. and fold length of
100 cm.

Rocker shafts mounted only on ball bearings control the
folding blades driven by toothed belts.

All the cylinders are inox steel, except the motorized
ones that are covered by PVC.

Material unwinding – from big rolls, small rolls, plaited

An unwinding calendar allows constant material supply
for the folding machine, this supply, electronically
controlled (no manual intervention is needed), is made
up by a reflexed light photo-diode series and being its
oscillation while working few centimetres wide, it allows
smooth and regular folding.

Automatic doubling operation

The material, after having been unrolled by the
unwinding device, goes on the doubling triangle under
which two automatic selvages Erhardt+Leimer German
made are placed. They assure perfect alignment of the
doubled material.

The automatic guide selvages are mounted on
motorized sliding screws and independent one from the
other.

So we can keep aligned the selvages even in



decreased way, that is very important, most of all when a selvedge is thicker than the cloth.

Folding operation open width

About folding operation open width, you have to use only one of the automatic guideselvedge Erhardt + Leimer used for the doubling operation.

So the cloth will pass only on one site of the doubling triangle, that will permit to obtain, also during this operation, a pallet of cloth perfectly aligned and compact.

Measuring: 2 systems

In the machine 2 measuring systems are placed, an electronic one to give the control measure, or the daily or weekly production, an electronic count-meter to give the total meters (meters and decimeters) of the palletized cloth.

Speed Indicator

In the push-button panel where the potentiometer is inserted you find a scale that indicates at what speed the machine is running.

Material Stocking

The material, whether it is doubled or openly folded, is prepared in perfectly squared pallets up to useful max. height of 200 cm.

The table descent is automatic and controlled by an oleodynamic device that, while increasing the folded material volume, enables a constant and automatic lowering.

This device allows also the fast lowering and going up again of the table.

With this oleodynamic piston instrumentation, all the lifting chains have been eliminated (in fact the table is pushed by underlaying pistons) with the great advantage of reducing the maintenance to almost zero.

A steel protection contains the whole table and protects the piston from dust, filaments and humidity.

The weight borne by the table is about 1500 Kg. equivalent to about 5-6 thousand meters of folded material, depending on the thickness and the nature of the same.

Brake-clutch at safety rules

If during the machine running the folding blades should undergo a strain higher than their normal folding work (for instance a torn material, or by operator's absent-

mindness a pallet should be erroneously placed, or for any other reason) all machine rotating parts skid till the machine stop, thanks to a brake-clutch placed in the control main shaft.

This very important safety application avoids causing troubles to the machine or serious accidents to the operator.

Controls

All the controls are centralized in an orientable push button panel placed in a comfortable position for the operator.

The motor-variators (both the one of the unwinding device and the one of the folding machine) are of special type without maintenance and without brushes as in the traditional motors with direct current.

They have an adjustment from 0 to 70 m/min. through a potentiometer placed in the push- button panel.

The starting of these motors is with gradual acceleration, very important factor for the evenness of the folds.

All the electric functions are protected by automatic overload cut out.

Absolute silence

All rotating machine parts are mounted exclusively on ball-bearings, the transmissions are by toothed belts, the table is not lifted by chains, but by a piston.

The machine complex, even after years and years of work reveals consequently exceptionally really silent.

Data and measures

Machine weight: 7500 Kgs. approx. Overall motor power: Kw 6

Dimensions: cm. 450 x 450 x 390 h approx.

Electrical feeding: 380V three phase+neutral, 50Hz (for different tension please write us)

