

**PROGRAMMABLE  
THERMO-FOLDING MACHINE**



LS

FOOT

GUIDE

LIP TURNER

MEMORY



99

FOLDING



**COM 52**  
COMELZ\_ITALIA

EMENT

OUTSIDE CURVES STRAIGHT

INSIDE CURVES

# COM52

COMELZ\_ITALIA

## PROGRAMMABLE THERMO-FOLDING MACHINE

*Forget knobs, spanners and screwdrivers, and concentrate yourself on your work.*

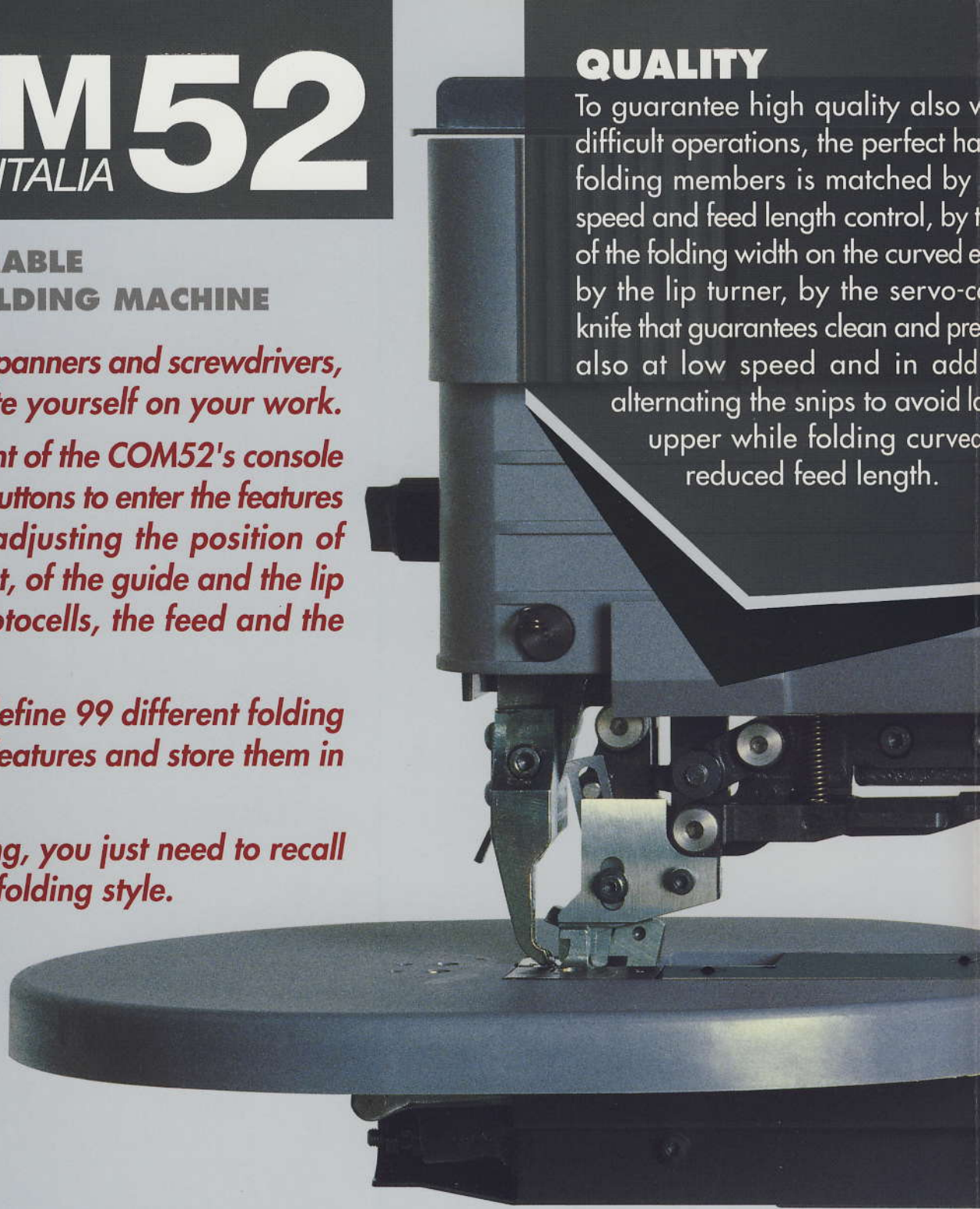
*Sit down in front of the COM52's console and press the buttons to enter the features of your fold, adjusting the position of the creaser foot, of the guide and the lip turner, the photocells, the feed and the cement flow.*

*You can thus define 99 different folding styles in each features and store them in memory.*

*To start working, you just need to recall the requested folding style.*

## QUALITY

To guarantee high quality also in the most difficult operations, the perfect handling of the folding members is matched by the precise control of speed and feed length, by the control of the folding width on the curved edges, by the lip turner, by the servo-controlled knife that guarantees clean and precise cuts also at low speed and in addition by alternating the snips to avoid lateral wear of the upper while folding curved components with reduced feed length.



## ADJUSTMENTS AND MEMORY

The operator gives the machine the directions regarding each aspect of the operation. Servo-controls operate therefore each working member adjusting its position and adapting its attitude as the curve of the component piece changes.

The features of each folding style are controlled by the machine's computer, which can store them in memory and recall them precisely. The operator can use 99 memory records to define each folding style in regard to the adjustment of folding members, the speed and the feed length for straight edges, internal curve and external curve, the amplitude of internal and external curves, the continuous, alternate or excluded snipping, the cement flow.

## QUALITY

To guarantee high quality also with the most difficult operations, the perfect harmony of the folding members is matched by the accurate speed and feed length control, by the correction of the folding width on the curved edges secured by the lip turner, by the servo-control of the knife that guarantees clean and precise snipping also at low speed and in addition allows alternating the snips to avoid lacerating the upper while folding curved edges with reduced feed length.

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## MEMORY

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### PHOTOCELLS

START



FEED



KNIFE

KNIFE

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### FOOT



### CEMENT

140

GENERAL TEMP.



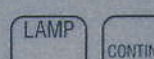
160°C

140°C

FLOW RATE



DELAY



LAMP

CONTINUOUS

START PHOT.

PEDAL

FEED

CEMENT

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 harmony of the  
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## PRODUCTIVITY

The rationalization of the internal mechanism, driven by a built-in COMELZ DC brushless motor, allows the experienced operator to reach high working speed (3000 rpm) obtaining a significant increase in productivity.

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PHOTOCELLS      FOOT      GUIDE      LIP TURNER      MEMORY

START      KNIFE

FEED

CURVE CORRECT

FOLDING

CEMENT      OUTSIDE CURVES      STRAIGHT      INSIDE CURVES

140      18      30      15

GENERAL TEMP.      FOOT TEMP.      SPEED (x100)      SPEED (x100)      SPEED (x100)

160°C      140°C

FLOW RATE      DELAY      FEED RATE      FEED RATE      FEED RATE

OPERATING MODE

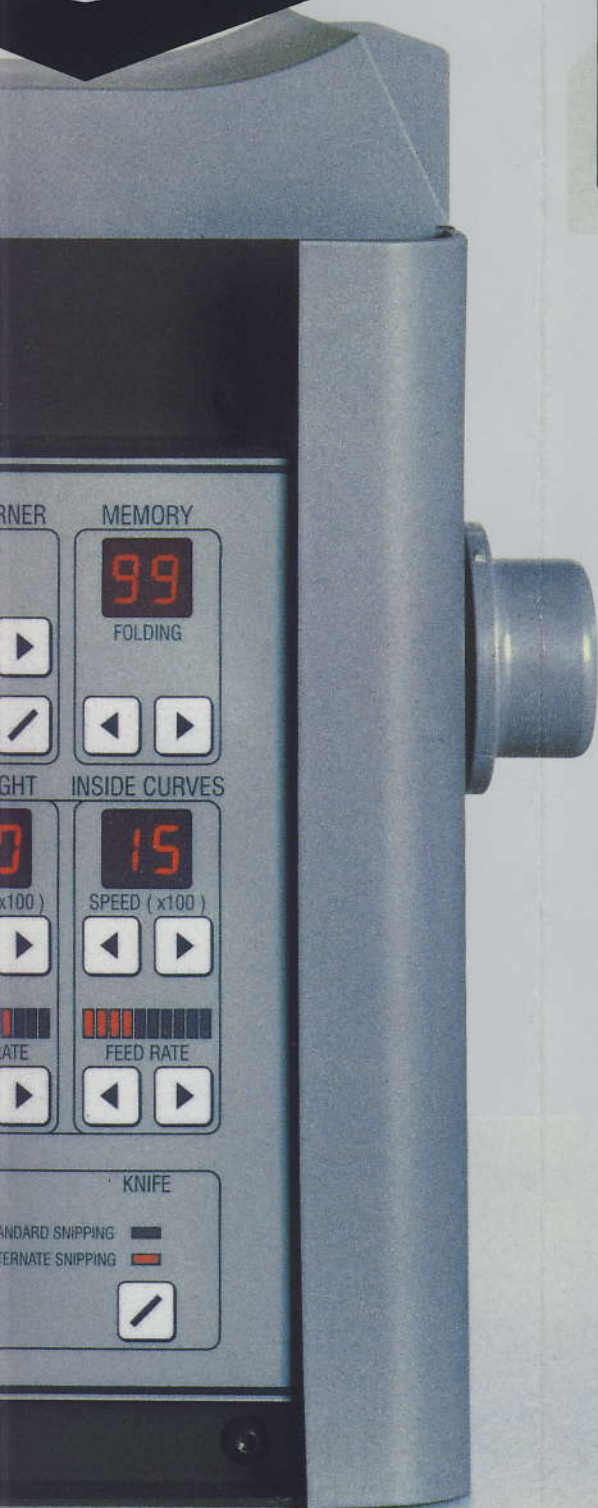
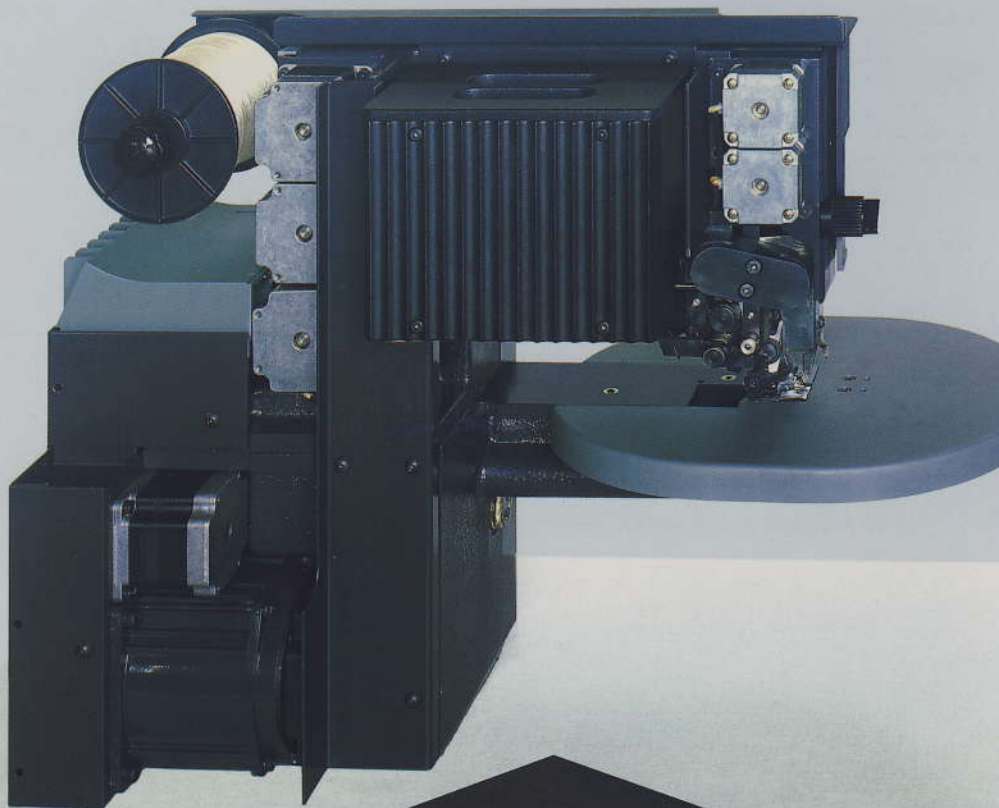
LAMP      FEED      CEMENT      FOOT      KNIFE

CONTINUOUS      START PHOT.      PEDAL      STANDARD SNIPPING      ALTERNATE SNIPPING

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## PRODUCTIVITY

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...t-in COMELZ DC brushless  
...e experienced operator to  
...rking speed (3000 rpm)  
...icant increase in productivity.



## TECNOLOGY

Decades of experience and COMELZ high technological level originated a machine that marks the achievement of new levels of performance, operational efficiency and productivity.

All this thanks to the application of thoroughly innovative technical solutions in each of its aspects:

**Folding members.** The adjustment of all folding members are controlled through servo-controls co-ordinated by the machine's computer that brings them under the operator's dominion through the console and corrects their attitude as the curve of the component piece changes.

**Feed.** Low consumption COMELZ DC brushless motor, free from the mechanical activation of the knife, it allows reaching a speed up to 3000 rpm.

**Knife.** Activated by a servo-control independent from the main motor, it constantly allows clean and precise snipping, and alternated snipping as well.

**Cement.** The twin-joint cement distribution system, driven by a servo-controlled pump, features a fixed cement pot and no flexible parts.

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## PROGRAMMABLE THERMO-FOLDING MACHINE

### OPTIONAL ATTACHMENTS

- French style binding
- Roll top
- Flat Insole covering
- Leather-goods wide folding

### TECHNICAL SPECIFICATION

**Folding width:**

adjustable from 3 to 7 mm  
(for leather-goods from 6 to 10 mm)

**Rotation speed:**

adjustable from 0 to 3000 rpm

**Feed length:**

adjustable from 0,5 to 5,5 mm

**Feed speed:**

adjustable from 0 to 275 mm/sec

**Productivity:**

dependent on style of the component pieces

**Termo-cement:**

polyamide

**Topline reinforcement:**

nylon

**Electrical requirement:**

single-phase

maximum total power consumption 600 W

medium total power consumption 350 W

**Motor:**

low consumption COMELZ DC brushless

**Weights:**

- net 80 kg
- with create 105 kg
- with case 145 kg

**Dimensions:**

- height 1200 mm
- width 1100 mm
- depth 550 mm

**Packing dimensions:**

- height 1350 mm
- width 1250 mm
- depth 700 mm





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