



# Pierret

Since 1925



## N40

GUILLOTINE CUTTING MACHINE  
FOR PROCESSING OF TEXTILE  
AND PLASTIC MATERIAL

### MAIN FEATURES

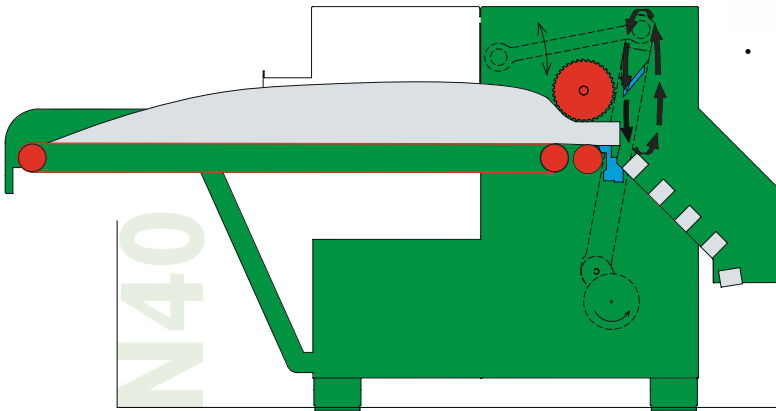
- > Cutting width: 400 mm ( $\pm 16''$ ) effective for a 625 mm ( $\pm 25''$ ) table infeed width.
- > Acceptable compressed material thickness: 70 mm ( $\pm 3''$ ).
- > Maximum material thickness at infeed :  $\pm 190$  mm ( $\pm 8''$ ) according to material compressibility.
- > Cutting speed: 350 cuts/min.
- > Range of cutting lengths: from 5 mm ( $\pm 0.2''$ ) to 102 mm ( $\pm 4''$ ).
- > Production varies according to the material, cutting length, loading, ..., and may reach over 1,200 kg/hour (2,650 Lbs/hour).
- > The cutting machine is driven by two three phase enclosed motors with cooled housing and IP 55 protection.

### DESIGN

- > Modern, compact and sturdy machine.
- > All gears are located in oil casings which guarantee protection from dust.
- > Simple, quick, practical and continuous cutting length adjustment by mechanical variable speed drive.

## PRACTICAL ADVANTAGES

- All PIERRET knives are straight and can be sharpened on a separate grinding machine, ideally one manufactured by PIERRET. The mobile knife is double-sided.
- A control station used to control the machine functions is centrally located. The user can therefore work from the right- or the left-hand side of the machine.
- Quick dismantling of the feed table.
- A special feed table design totally eliminates penetration of foreign material between the conveyor belt and the sides.
- The cutting machine can easily be moved with a fork-lift or a pallet jack.
- The feeding may be reversed by the simple push of a button.
- Easy to clean under the feeding belt.
- Easy to clean the inside of the machine.
- Easy access to the entire transmission of the machine.



## OPERATION

- The material is conveyed by a feeding belt to an awaiting large diameter heat treated grooved roll. The grooved roll compresses the material against a smooth roll and draws it efficiently towards the knives.
- The scissor effect produced between the mobile knife and the fixed knife guarantees an accurate, clean and melt-free cut.
- The design of the grooved roll enables a trouble-free feeding of materials of various types and shapes.
- Automatic feeding shutdown in over thickness conditions. Reversal can be done by overriding the shutdown.
- A sensor detects and stops the machine in case of material winding around the grooved roll.

### Total installed power

- 5.5 Kw/50 Hz - 6.4 Kw/60 Hz

### Dimensions / Weight

- N40 with short feeding apron  
2,365 x 880 x height 1,275 mm / 1,380 Kg  
7'-8" x 2'-9" x height 4'-2" / 3,040 Lbs
- N40 with long feeding apron  
3,365 x 880 x height 1,275 mm / 1,415 Kg  
11'-1" x 2'-9" x height 4'-2" / 3,120 Lbs
- N40 with detector  
3,365 x 880 x height 1,275 mm / 1,580 Kg  
11'-1" x 2'-9" x height 4'-2" / 3,480 Lbs

This description of the machines' technical features is provided purely for guidance and does not commit us. Modifications and improvements may be made without prior notice and at any time.

## PIERRET INDUSTRIES

Rue du Sommet 32 • B-6838 CORBION • BELGIUM  
Tel. (32) 61.46.51.00 • Fax. (32) 61.46.62.63

Sales & Services for U.S. and Canada

## PIERRET NORTH AMERICAN DIVISION

215 Wingo Heights Rd • SPARTANBURG, S.C. 29303 • USA  
Tel. (1) 864.583.4829 • Fax. (1) 864.583.3362

E-mail : [info@pierret.com](mailto:info@pierret.com) • Web : [www.pierret.com](http://www.pierret.com)

