



# Pierret

Since 1925

a new  
generation



## CT60N

HIGH CAPACITY GUILLOTINE  
CUTTING MACHINE FOR  
SOFT MATERIAL AS WELL  
AS FOR SPECIAL FIBERS

### MAIN FEATURES

- > This cutting machine may be equipped with a tungsten carbide mobile knife to cut special fibers such as glass, carbon, aramid fibers, ...
- > Cutting width: 600 mm ( $\pm 23''$ ) effective for a 1,100 mm ( $\pm 43''$ ) table infeed width.
- > Acceptable compressed material thickness: 180 mm ( $\pm 7''$ ) according to the type of material.
- > Maximum material thickness at infeed:  $\pm 500$  mm ( $\pm 19''$ ) according to material compressibility.
- > Cutting speed: max. 250 cuts/min.
- > Range of cutting lengths: from 5 mm ( $\pm 0.2''$ ) to 360 mm ( $\pm 14''$ ) according to the material and cutting speed.
- > Production varies according to the material, cutting length, loading, ..., and may reach over 10 tons/hour (22,000 Lbs/hour).
- > The cutting machine is driven by three three phase enclosed motors with cooled housing and IP 55 protection and two servo motors.

### DESIGN

- > On the display of the PLC, the user sets two of the three following working parameters: cutting length, cutting speed and feeding speed. These parameters can be modified while the machine is running.
- > Simple, accurate knife adjustment via two detachable handles located on the front panel of the machine.
- > The material is drawn towards the cutting chamber by four hardened steel compression and traction rolls. These rolls, as well as the feeding belt, are driven by two servo motors. The roll nearest the knives is grooved on the reverse side to provide a better grip on the material and to prevent wrap-ups.
- > A patented vibration mechanism pushes the compressed material on the feeding belt towards the fixed knife.

## PRACTICAL ADVANTAGES

- Minor wear of the cutting edge can be taken up in seconds while the machine is working.
- All PIERRET knives are straight and can be sharpened on a separate grinding machine, ideally one manufactured by PIERRET. The steel mobile knife is double-sided.
- The display, which is placed on a control panel that pivots 360°, enables the user to control the various machine functions and also to detect and locate the machine faults from a central location.
- Quick adjustment of the infeed roll angle enables the simple adjustment for easy entry of the material to be cut. The rolls are raised hydraulically by the simple push of a button.
- Quick dismounting 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 is mounted on retractable wheels.
- The feeding may be reversed by the simple push of a button.
- The feeding can be started or stopped by a remote signal.
- The cutting machine can be placed in line with our ROBOT automatic feeder.

## OPERATION

- > The material is conveyed on a feeding belt to an awaiting hardened steel roll assembly. The rolls compress the material on the feed apron and draw it efficiently towards the knives.
- > The scissor effect produced between the mobile knife and the fixed knife guarantees a clean edged, melt-free cut, easily and accurately.
- > The roll adjustments enable a trouble-free feeding of materials of various types and shapes.
- > Automatic feeding shutdown in over thickness conditions with withdrawal facility by feeding reversal.
- > The machine stops automatically in case of a material wrap-up.

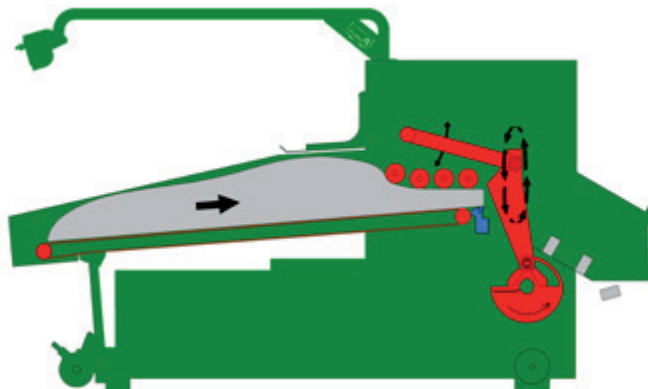
### Total installed power

- 25.5 Kw/50 Hz

### Dimensions/Weight

- **CT60N standard**  
3,750 x 1,700 x height 2,200 mm/3,400 Kg  
12'-4" x 5'-7" x height 7'-3"/7,500 Lbs
- **CT60N with detector**  
4,750 x 1,700 x height 2,200 mm/3,650 Kg  
15'-7" x 5'-7" x height 7'-3"/8,050 Lbs

CT60N



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.

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