



### The operator-free, all-in-one case sealer for automatic productivity

The 3M-Matic™ 120af Automatic Adjustable Case Sealer is a fully automatic, all-in-one unit for a variety of top and bottom case sealing. 3M-Matic case sealers are specially designed to be versatile and productive. They're sturdy, compact and easy to install. The new low imp head represents 3M's commitment to innovation as the industry leader in case sealing systems. And 3M-Matic

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## Power Requirements

<b>Voltage</b>	115 V
<b>Current</b>	2.8 A
<b>Frequency</b>	60 Hz
<b>Power</b>	320 W
<b>Pneumatic Pressure</b>	75 psig 517 kPa
<b>Pneumatic Flow</b>	1.5 SCFM (2.5 m <sup>3</sup> /h 21°C, 101 kPa] maximum at maximum cycle rate.

## Options

3" [75 mm] tape width heads  
 All controls and guard access doors factory installed on opposite side  
 Casters  
 Guard access doors on both sides  
 Power infeed conveyors

## Machine Specifications

<b>Machine Length</b>	75.5 in 1920 mm
<b>Machine Width</b>	35.38 in 900 mm
<b>Min. Machine Height</b>	53.38 in 1355 mm
<b>Max. Machine Height</b>	74 in 1880 mm
<b>Crated Weight</b>	631 lbs 287 kg
<b>Uncrated Weight</b>	545 lbs 248 kg
<b>Conveyor Bed Height</b>	Adjustable from a height of 23 in
<b>Min. Machine Dim. (A)</b>	4 13/16 in 120 mm
<b>Min. Machine Dim. (H1)</b>	23 in 585 mm

<b>Min. Machine Dim. (H2)</b>	53 3/8 in 1355 mm
<b>Min. Machine Dim. (H3)</b>	23 in 585 mm
<b>Min. Machine Dim. (W1)</b>	30 1/4 in 770 mm
<b>Min. Machine Dim. (W2)</b>	35 3/8 in 900 mm
<b>Min. Machine Dim. (W3)</b>	22 1/2 in 570 mm
<b>Min. Machine Dim. (L1)</b>	60 in 1525 mm
<b>Min. Machine Dim. (L2)</b>	75 1/2 in 1920 mm
<b>Min. Machine Dim. (L3)</b>	37 1/2 in 955 mm
<b>Min. Machine Dim. (L4)</b>	37 1/2 in 955 mm
<b>Max. Machine Dim. (A)</b>	4 13/16 in 120 mm
<b>Max. Machine Dim. (H1)</b>	28 1/8 in 715 mm
<b>Max. Machine Dim. (H2)</b>	74 in 1880 mm
<b>Max. Machine Dim. (H3)</b>	28 1/8 in 715 mm
<b>Max. Machine Dim. (W1)</b>	30 1/4 in 770 mm
<b>Max. Machine Dim. (W2)</b>	35 3/8 in 900 mm
<b>Max. Machine Dim. (W3)</b>	22 1/2 in 570 mm
<b>Max. Machine Dim. (L1)</b>	60 in 1525 mm
<b>Max. Machine Dim. (L2)</b>	75 1/2 in 1920 mm
<b>Max. Machine Dim. (L3)</b>	37 1/2 in 955 mm
<b>Max. Machine Dim. (L4)</b>	45 1/4 in 1150 mm

## Specifications

<b>Manufacturer</b>	3M
<b>Style</b>	Regular slotted container (RSC). 125 to 275 p.s.i. bursting test, single wall B or C flute.
<b>Operating Rate</b>	Up to 27 boxes per minute depending on box length.
<b>Box Specification</b>	Boxes must meet the current FBA/PMMI voluntary standards for RSC containers. Boxes not meet for example, width is more than 50% of length or depth is less than 25% of length - should be test-satisfactory machine performance.
<b>Tape</b>	Scotch™ brand pressure-sensitive box sealing tapes.
<b>Min. Tape Width</b>	1 1/2 in 36 mm

<b>Max. Tape Width</b>	2 in 48 mm
<b>Tape Roll Diameter</b>	Up to 16 in [406 mm] maximum on a 3 in [75 mm] diameter core. (Accommodates Scotch brand f rolls.)
<b>Belt Speed</b>	75 ft/min 3 m/min
<b>Min. Weight</b>	4 lbs 2 kg
<b>Max. Weight</b>	65 lbs 29 kg
<b>Packing</b>	Contents must be heavy enough to hold box flat on conveyor bed with bottom flaps fully closed. C top flaps. Contents must not extend beyond top flap score line.

## Note

The 3M-Matic™ 120af Automatic Adjustable Case Sealer can accommodate most boxes within the size range listed above.

However, if  
 $(\text{Box Length in Direction of Seal}) / (\text{Box Height}) > 0.6$

boxes should be test-run to assure proper machine performance.

## Box Capacities

<b>Min. Box Height</b>	4.75 in 120 mm
<b>Max. Box Height</b>	20 in 510 mm
<b>Min. Box Length</b>	6 in 150 mm
<b>Max. Box Length</b>	25 in 635 mm
<b>Min. Box Width</b>	4.75 in 120 mm
<b>Max. Box Width</b>	20 in 510 mm

## Warranty and Limited Remedy

THE FOLLOWING WARRANTIES ARE MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTY ARISING OUT OF COURSE OF DEALING, A CUSTOM OR USAGE OF TRADE:

3M sells its 3M-Matic™ 120af Automatic Adjustable Case Sealer with the following warranties:

1. The Taping Head knife blades, springs and rollers will be free from all defects for ninety (90) days after delivery.
2. All other Taping Head parts will be free from all defects for three (3) years after delivery.
3. All other parts will be free from all defects for two (2) years after delivery.

Please refer to individual data pages for additional details and exceptions. If any 3M-warrantied part is proved to be defective within its warranty period, then the exclusive obligation shall be, at 3M's option, to repair or replace the part, provided the defective part is returned immediately to 3M's factory or an authorized service center. A part will be presumed to have become defective after its warranty period unless the part is received or 3M is notified of the problem no later than five (5) calendar days after the end of the warranty period. If 3M is unable to repair or replace the part within a reasonable time, then 3M, at its option, will replace the equipment or refund the purchase price. 3M shall have no obligation to provide or pay for the labor required to install the repaired or replacement part. 3M shall have no obligation to repair or replace (1) those parts failing due to operator misuse or to any accidental cause other than equipment failure, or (2) parts failing due to non-lubrication, inadequate cleaning, improper operating environment, improper utilities

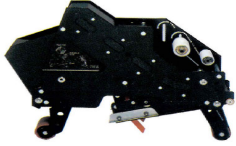
## Limitation of Liability

3M and seller shall not be liable for direct, indirect, special incidental or consequential damages based upon breach of warranty, breach of contract negligence strict liability theory.

The foregoing Equipment Warranty and Limited Remedy and limitation of Liability may be charged only by a written agreement signed by authorized officers of 3M an

## AccuGlide™ II Taping Head

3M's advanced, low impact AccuGlide™ II Taping Head with its curvilinear track insures that even lightweight corrugated cartons are securely and carefully sealed. Pro starting and precise tape application. The tape head floats smoothly and easily to adjust for overpacked boxes. Applies Standard 2.75 inch [70mm] tape leg lengths. Can 2.00 inch [51mm] leg lengths. And a built-in blade oiler helps prevent adhesive buildup. The head comes with a three year guarantee.



## Functional Industrial Design

- 16 gauge (1.5mm) formed steel frame robotically welded.
- Dual masts/twin lead screws
- Hexagonal threaded inserts for convenient mounting of components.
- Outer tubular legs through-mounted and welded to frame.
- Tough epoxy paint

## Operating Conditions

Use in dry, relatively clean environments at 40 ° to 120 °F (5° to 49°C) with clean, dry boxes. Machine should not be washed down or subjected to conditions causing mo components.