3M-Matic™ Case Sealers Selection Overview

Uniform Size Boxes

Manually Adjustable, Semi-Automatic

Manually Adjustable, Automatic Flap Folding

Affordable for low volume

Engineered for high volume

Intro Series

113

a20

Up to 30 cs./min.
Up to 65 pounds
Bottom belt drive

114

700a*

Up to 40 cs./min.
Up to 85 pounds
Top and bottom belt drives

115

800a*

Narrow cases
Up to 40 cs./min.
Up to 85 pounds
Side belt drive

116

800af*

Up to 28 cs./min.
Up to 85 pounds
Side belt drive

Affordable for low volume

Intro Series

117

a70

Up to 30 cs./min.
Up to 65 pounds
4-belt drive

118

700aks†

Up to 40 cs./min.
Up to 85 pounds
Top and bottom belt drives

119

800asb

Small cases
Up to 30 cs./min.
Up to 85 pounds
Side belt drive

120

120af*

Up to 27 cs./min.
Up to 65 pounds
Side belt drive

Intro Series

121

a80*

Up to 30 cs./min.
Up to 65 pounds
Side belt drive

122

200a*

Up to 40 cs./min.
Up to 85 pounds
Bottom belt drive

123

800ab

Narrow cases
Up to 38 cs./min.
Up to 85 pounds
Side belt drive

3M™ AccuGlide™ 3 Taping Head

124

Designed for increasing productivity

* Available with 3" taping head
† Comes standard with 3" taping head

From semi-automatic to random automatic operation

Random Size Boxes

Self Adjusting, Semi-Automatic

Self adjusting, Fully Automatic

125

700r*
Up to 19 cs./min.
Up to 85 pounds
Top and bottom
belt drives

126

800r*
Up to 15 cs./min.
Up to 85 pounds
Side belt drives

127

800rf*
Up to 10 cs./min.
Up to 85 pounds
Side belt drive

128

700rks†
Up to 19 cs./min.
Up to 85 pounds
Top and bottom
belt drives

129

800rks†
Up to 10 cs./min.
Up to 200 pounds
Side belt drives

130

2000rf*
Indexes, folds,
and seals up to
27 cs./min.
Custom engineered
Servo drive

Affordable for low volume

**Intro
Series**
131

r70
Up to 15 cs./min.
Up to 65 pounds
Top and bottom
belt drive

3M-Matic™ Adjustable Case Sealers

Productivity with quick height and width adjustments

With quick manual adjustment, these rugged units reliably and accurately seal runs of the same size cartons for a variety of markets: food and beverage, medical devices, pharmaceutical, electronics, retail, manufacturing, and distribution centers.

- Patented 3M™ AccuGlide™ 2+ and 3 Taping Heads securely apply tape with low impact to protect even lightweight cases and their contents

120af – Adjustable side belt drive for sealing lightweight, narrow cases at up to 27/minute with 36-48mm tape. Automatically folds top minor and major flaps.

200a – Durable bottom belt drive for up to 40 RSCs/minute. Dual masts with dual lead screws for stability and uniform height adjustments. Durable and cost efficient for basic case sealing – the most popular 3M-Matic™ Adjustable Case Sealer.

700a – Advanced features to seal uniform cases up to 40/minute. Dual masts with dual lead screws for stability and uniform height adjustments. Adjustable top and bottom belt drive system for reliable conveyance of heavier or tall/light boxes. Compression rollers position each box for precise tape sealing.

700aks – Especially designed for sealing larger RSCs such as used in the appliance, electronics, and bedding industries. For reliable sealing, the adjustable king size top and bottom belt drive dependably conveys uniform cases up to 25.5" wide by 36" high at up to 40/minute. Includes 72mm tape width 3M™ AccuGlide™ 3 Taping Head.

800a – Adjustable side belt drive for a wide range of RSC sizes and weights: lengths of 6" and more; 4.5-21.5" widths; 4.75-24.5" heights. Seals up to 40 cases/minute with 36-48mm wide Scotch® Box Sealing Tapes.

800asb – Same adjustable side belt drive as the 800a but designed for boxes as small as 6" long, 3.9" wide, and 2.75" high. Seals up to 30 cases/minute with 36mm tape.

800ab – Seals bottom flaps only at up to 40 cases/minute. Adjustable side belt drive conveys a wide range of RSC sizes and weights: lengths of 6" and more; 4.25-21.5" widths; 4.75" to unlimited heights.

800af – Automatically folds top minor and major flaps and tightly seals cases with 36-48mm tape at up to 28 cases/minute. Spring loaded drive with twin gear motors for heavy duty performance.

Product Information:

Model	Drive Belt System	Min. Case Length (in.)	Min. Case Width (in.)	Min. Case Height (in.)	Max. Case Length (in.)	Max. Case Width (in.)	Max. Case Height (in.)	Max. Case Weight (lbs.)	Max. Cases/ Minute	Comments
120ab*	Side	6	4.75	4.75	None	20	None	50	27	Bottom taping only
120af*	Side	6	4.75	4.75 ❖ ❒	25	20	20	60	27	Flap folding
200a*	Bottom	6	6	4.75 ◆	None	21.5	24.5 ▲	85	40	Durable
700a*	Top and Bottom	6	6	4.75 ◆	None	21.5	24.5 ▲	85	40	Work horse
700aks	Top and Bottom	6	7	4.75 ■	None	25.5	25.5 ○	85	40	King size
800a*	Side	6	4.5	4.75 ◆ ❒	None	21.5	24.5 ▲	85	40	Narrow boxes
800ab*	Side	6	4.25	4.75	None	21.5	None	85	40	Bottom taping only
800af*	Side	6	4.75	4.75 ✱ ❒	30	21.5	24.5 ▲	85	28	Flap folding
800asb	Side	6	3.9	2.75	None	21.5	22.38 ●	85	24	Small box machine
800a-t	Side	6	4.5	4.75	None	21.5	24.5 ▲	85	30	Includes 3 ft. t-table
800a6w	Side	6	10.0	4.75 ◆ ❒	None	21.5	24.5 ▲	85	30	Will use 144mm tape

Items marked with * are available to order with 3" 3M™ AccuGlide™ Taping Heads for tape widths up to 72 mm.

◆ Can be adjusted for 3.5" min. case height using 2" tape legs.

❖ Can be adjusted for 4" min. case height using 2" tape legs.

✱ Can be adjusted for 3.75" min. case height using 2" tape legs.

❒ Minimum case width increases when running cases below standard 4.75" height.

▲ Can be adjusted for 28.5" max. case height. Minimum case height increases by 4".

● Can be adjusted for 26.38" max. case height. Minimum case height increases to 4.25".

○ Can be adjusted to the following case height ranges: 6.75"-27.5"; 9.25"-30"; 10.75"-31.5"; 15.25-36".

■ Can be adjusted for 4" min. case height. Maximum case height reduced to 23.5". 2" tape legs.

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.

3M-Matic™ Random Case Sealers

Productivity with automatic height and width adjustments

Adjusting automatically, these rugged units reliably and accurately seal runs of the random size cartons for a variety of markets: food and beverage, medical devices, pharmaceuticals, electronics, retail, manufacturing, and distribution centers. Patented 3M™ AccuGlide™ 2+ and 3 Taping Heads securely apply tape with low impact to protect even lightweight cases.

700r — Consistent flow and sealing tall cases at up to 19/minute. Automatically adjusts for case height and width. 36 mm to 48 mm wide tapes.

700rks — King-size for consistent flow and sealing larger cases at up to 19/minute. Automatically adjusts for case height and width. Up to 72 mm wide tape.

800r — Automatically adjusts for case size. Self-centering side belt drive for consistent flow of narrow cases at up to 19/per minute. 36 mm to 48 mm wide tapes.

800rks — King-size automatically adjusts for case sizes up to 30" wide by 48" high. Upper and lower side belt drives ensure taping accuracy up to 12 cases/minute. 48 mm to 72 mm tape widths.

800rf — Fully automatic for consistent flow and sealing without an operator. Automatically adjusts for random sizes, folds top minor and major flaps and seals up to 10 cases/minute. Includes up to 48 mm wide tape.

2000rf — For a high volume with random case sizes or where different lines converge for sealing. Fully automatic 3-stage operation separates, folds, and seals tops and bottoms at up to 20 cases/minute. Uses 36 mm to 48 mm tape widths.

Product Information:

Model	Drive Belt System	Min. Case Length (in.)	Min. Case Width (in.)	Min. Case Height (in.)	Max. Case Length (in.)	Max. Case Width (in.)	Max. Case Height (in.)	Max. Case Weight (lbs.)	Max. Cases/ Minute	Comments
700r *	Top and Bottom	6	6	4.75 ◆	None	21.5	24.5 ❍	85	19	Random
700rks	Top and Bottom	6	7	4.75	None	25.5	25.5 ✣	85	19	King size
800r *†	Side	8	4.25	4.75	None	20	21 ❐	85	19	Narrow boxes
800rks†	Side	15	8	12	None	30	50	200	12	King size
800rf *†	Side	8	8	6	24	19.5	20	85	10	Fully automatic
2000rf	Lug Drive	10	8	6	24	20	20	5-85✧✧	20	Fully automatic

 * Available to order with 3" 3M™ AccuGlide™ taping heads for tape widths up to 72 mm.

† Available with 3M™ AccuGlide™ 3 Taping Head mid 2009.

◆ Can be adjusted for 3.75" min. case height using 2" tape legs.

✱ Can be adjusted for 3.75" min. case height using 2" tape legs.

✱✱ Actual specs based on customer requirements.

❍ Can be adjusted for 28.5" max. case height. Minimum case height increases to 8".

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.

3M-Matic™ Stainless Steel Case Sealers

Productivity in high moisture and corrosive environments

For productivity in food and beverage, pharmaceutical and similar environments, these 99% stainless steel units conform to NEMA standard 250 type 4x specification for watertight enclosures. No painted surfaces. Includes 3M™ AccuGlide™ 2+ Stainless Steel Taping Head.

700a-s – Stainless steel version of 700a (pg. 31).

700r-s – Stainless steel version of 700r (pg.32)

800af-s – Stainless steel version of 800af (pg. 31).

Product Information:

Model	Drive Belt System	Min. Case Length (in.)	Min. Case Width (in.)	Min. Case Height (in.)	Max. Case Length (in.)	Max. Case Width (in.)	Max. Case Height (in.)	Max. Case Weight (lbs.)	Max. Cases/ Minute	Comments
700a-s	Top and bottom.	6	6	4.75 ◆	21.5	None	24.5 ▲	85	30	Adjustable
700r-s	Top and bottom.	6	6	4.75 ◆	21.5	None	24.5 ❍	85	15	Random Case Sealer
800af-s	Side.	6	4.75	4.75 ✳❐	30	21.5	24.5 ▲	85	28	Automatic Adjustable

◆ Can be adjusted for 3.75" min. case height using 2" tape legs.
✳ Can be adjusted for 3.75" min. case height using 2" tape legs.
▲ Can be adjusted for 28.5" max. case height. Minimum case height increases by 4".
❐ Can be adjusted for 25.38" max. case height. Minimum case height increases to 9.12".
❍ Can be adjusted for 28.5" max. case height. Minimum case height increases to 8".
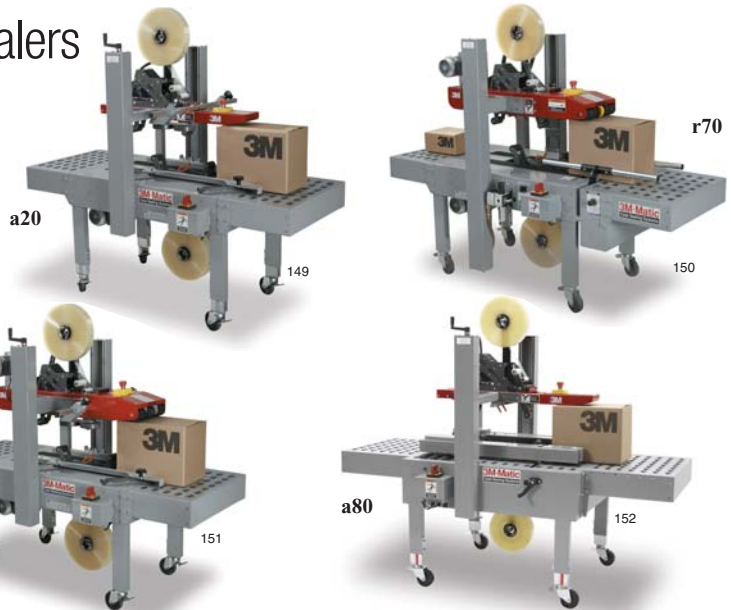
Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes

3M-Matic™ Intro Series Case Sealers

Affordable productivity

When packaging volumes exceed the limits of manual sealing, the durable Intro Series offers affordable increases in productivity for top and bottom sealing of RSCs.

Select 3M-Matic™ Adjustable Case Sealers a20, a70, or a80 for runs of uniform box sizes; r70 with automatic adjustment for a run of random case sizes. All include the 3M™ AccuGlide™ Taping Head 2+ for low impact sealing that protects cases.

a20

r70

a70

a80

Product Information:

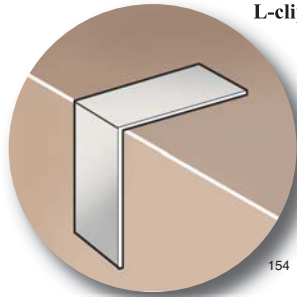| Model	Drive Belt System	Min. Case Length (in.)	Min. Case Width (in.)	Min. Case Height (in.)	Max. Case Length (in.)	Max. Case Width (in.)	Max. Case Height (in.)	Max. Case Weight (lbs.)	Max. Cases/ Minute	Comments
a20	Bottom	6	6	4.75	None	21.5	21.5	65	30	Adjustable
a70	Top and bottom	6	6	4.75	None	21.5	21.5	65	30	Adjustable
a80 *†	Side	6	6	4.75	None	21.5	21.5	65	30	Adjustable
r70	Top and bottom	6	6	4.75	None	21.5	21.5	65	30	Random

* Available to order with 3" 3M™ AccuGlide™ Taping Heads for tape widths up to 72 mm. † Available with bottom taping only.

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.
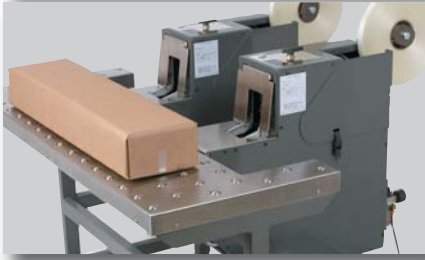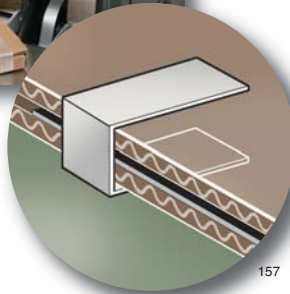
Specialty Equipment and Options

L-clip

Optional C-clip Adapter

3M-Matic™ L-Clip Applicator S-867 and S-867II – To save cost and time apply pre-fed 4.5" L-clips of Scotch® Filament or Reinforced Strapping Tape at up to 50/minute to five panel fold, full overlap, telescoping, tuck fold, and other non-standard packages. Dual head applies two clips simultaneously as close as 8" apart.
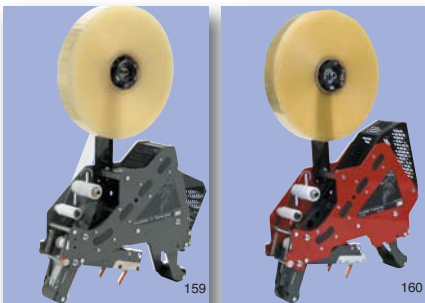
3M™ Stretchable Tape Wrapper ST1000 – For stabilizing ventilated produce this turntable unit consistently wraps loads up to 8.75' high. Automated wrapping with choice of programmed patterns and specially designed taping head assure consistent, optimized application. Uses Scotch® Stretchable Tape 8886 (page 21).
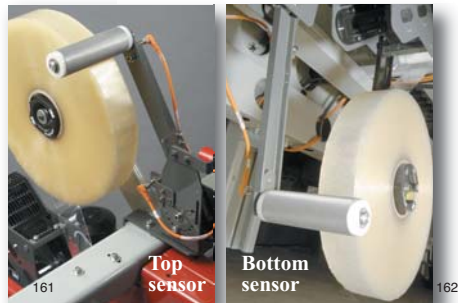

Top sensor

Bottom sensor

3M™ AccuGlide™ 2+ and 3 Taping Heads – Patented curvilinear design applies tape securely with low impact that helps protect even lightweight cartons and contents. Model 2+ for speeds up to 80'/minute; model 3 for up to 100'/minute.

3M-Matic™ Tape Application Monitor – With top and bottom sensors, the case sealer mounted programmable logic controller alerts the operator when tape is not applied to the box or not cut, or when tape supply is low on the roll.

3-Flap Folder – For increased productivity, easily attached flap folder assists operator in folding the minor (front) and two major (side) flaps of RSCs before taping.

Infeed/Exit Conveyor – Ball bearing steel rollers in steel frame bolts to the 3M-Matic™ Case Sealer to provide a smooth transition in existing conveyor lines. Provides pack area surface at infeed. Available also in stainless steel.

Box Hold Down Attachment – Holds RSCs on the optional infeed conveyor to free the operator's hands for cases filling.

Locking/Swivel Casters – When packaging operations need to be reconfigured or moved, 3M-Matic™ Case Sealers roll to the job on these heavy duty casters. Toe-operated lever locks case sealer in place. Available also in stainless steel.