

# 3M-Matic™ 800rks Side Drive Belt Random King-Size Case Sealer

## Specifications

### Box:

Boxes must meet the current FBA/PMMI voluntary standards for RSC containers. Boxes not meeting these standards — for example, width is more than 50% of length or depth is less than 25% of length — should be test run to ensure satisfactory machine performance.

Style: Regular slotted container (RSC).

Bursting test: 125 to 275 lbs. per sq. inch single or double wall, B or C flute.

Size:	Min	Max
Length	15" (380mm)	Not limited
Width	8" (205mm)	30" (765mm)
Height	12" (305mm)	50" (1270mm)

Special modifications may be available for carton sizes not listed above. Contact your 3M sales representative for details.

**Note:** The 3M-Matic 800rks Side Drive Belt Random King-Size Case Sealer can accommodate most boxes within the size range listed above. However, if

Box Length in Direction of Seal  
Box Height is less than .5

boxes should be test run to assure proper machine performance.

Weight:	Min	Max
	5 lbs. (2.3kg)	200 lbs. (90kg)

Packing: Contents must be heavy enough to hold box flat on conveyor bed with bottom flaps fully closed. Contents must provide support along entire length of top flaps. Contents must not extend beyond top flap score line.

### Tape:

Scotch brand pressure-sensitive box-sealing tapes.

Width: 2" (50mm) minimum to 3" (75mm) maximum

Roll diameter: Up to 16" (400mm) diameter on a 3" (75mm) core.

### Machine:

Motor horsepower: .18 Hp upper drives per motor

.18 Hp lower drives per motor

.72 Hp total

Power: Electrical — 208, 220 VAC, 60Hz, 3 phase, 6.0 A, 1500 watts, 8' (2.4m) power cord with grounded plug included.

Pneumatic — 85PSIG (5.8 bar) min, 140PSIG (10 bar) max, 24.5 SCFM (695-L/min<sup>2</sup> 21°C, 1.01 bar) at 7 boxes per minute

Contact your 3M sales representative for power requirements not listed above.

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

3M sells its 3M-Matic™ 800rks Side Drive Belt Random King-Size Case Sealer with the following warranties:

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

If any part is proved to be defective within its warranty period, then the exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's option, to repair or replace the part, provided

Weight: 800 lbs. (365kg) uncrated  
860 lbs. (390kg) crated

Operating rate: Up to 10 boxes/minute

Box drive belt speed: 88 fpm (.45 m/s)

Operating conditions: Use in dry, relatively clean environments at 40°F to 120°F (5°C to 50°C) with clean, dry boxes.

Machine should not be washed down or subjected to conditions causing moisture condensation on components.

### Installation:

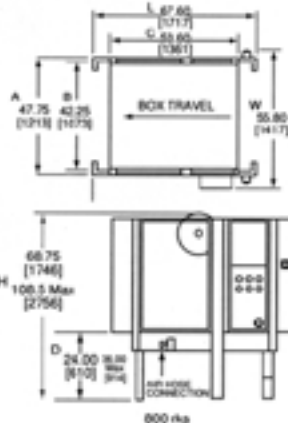
- Machine must be level
- Customer-supplied infeed and exit conveyors must provide straight and level box entry and exit
- Ball caster infeed conveyor recommended for long, heavy boxes
- Exit conveyors (powered or gravity) must convey sealed boxes away from machine

### Toll-free service and support

The 3M National Service Center (NSC) supports 3M-Matic equipment. For answers to your questions about 3M-Matic equipment, or to order supplies or schedule service, just call the toll-free number below. The NSC is open from 7:30 a.m. to 6:00 p.m. Central Time, Monday through Friday. Messages are taken 24 hours a day.

1-800-328-1390

### Footprint:



	L	C	A	B	W	H	D
Min inches [mm]	47.60 [1217]	53.60 [1361]	47.75 [1213]	42.25 [1073]	55.80 [1417]	68.75 [1746]	24.00 [610]
Max inches [mm]	47.60 [1217]	53.60 [1361]	47.75 [1213]	42.25 [1073]	55.80 [1417]	108.5 [2756]	30.00 [762]

the defective part is returned immediately to 3M's factory or an authorized service station designated by 3M. A part will be presumed to have become defective after the warranty period unless the part is received or 3M is notified of the problem no later than five (5) calendar days after 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, carelessness, or due to any accidental cause other than equipment failure, or (2) parts failing due to non-lubrication, inadequate cleaning, improper operating environment, improper utilities or operator error.

**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 or any other legal theory.

The foregoing Equipment Warranty and Limited Remedy and Limitation of Liability may be changed only by a written agreement signed by authorized officers of 3M and seller.

The 3M-Matic™ 800rks Side Drive Belt Random King-Size Case Sealer

## Fast, reliable sealing for extra-large cases



3M-Matic,™ "AccuGlide" and "Scotch" are trademarks of 3M.

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3M Masking and Packaging Systems Division

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# 3M-Matic™ 800rks Side Drive Belt Random King-Size Case Sealer

## A better seal in less time

Sealing super-size cases slows your production line. Whether you're sealing by hand with tape or staples or adjusting a case sealer to handle different sizes, you lose time on every case.

The 3M-Matic™ 800rks Side Drive Belt Random King-Size Case Sealer helps you recover that lost time. It seals cases up to 30" wide by 50" high and processes up to ten cases per minute. And because it automatically adjusts to each case, you can seal multiple sizes with one machine, on one production line — without sealing by hand or stopping for adjustments.

## A high-quality seal for every case

The 800rks offers more than productivity. It delivers a reliable, attractive, high-quality seal every time. Matched upper and lower side belt drives ensure that each box is aligned for accurate tape placement. And 3M's AccuGlide™ II low-impact taping heads provide precise, accurate seals.

## Easy operation

The 800rks is controlled by a Programmable Logic Controller (PLC), which improves productivity and provides precise operation. All controls are clearly marked. And the automatic box stop gate makes it easy for one operator to load long boxes.

## Easy integration

The 800rks is easy to integrate into any production line. Even though it is designed to seal king-size boxes, it features a compact, rugged steel frame that makes it a perfect solution for small work areas.

## High-quality tape

The right tape can make the difference between a complete shipment and a complete disaster. Safeguard your shipments and ensure optimum performance from your 3M-Matic systems by using Scotch™ brand pressure-sensitive box sealing tapes, the industry leaders in quality and reliability. 3M tapes comply with many federal specifications and ASTM environmental guidelines. And they're available in a range of widths and colors to meet your requirements.

## Part of a complete solution

The 800rks is part of the complete line of 3M-Matic case sealing equipment and accessories. We design 3M-Matic products for long life and maximum productivity, and we back them with comprehensive guarantees and a toll-free helpline. To ensure your 3M equipment delivers the performance you expect, use Scotch™ brand pressure-sensitive box sealing tapes, the industry leaders in quality and reliability.

For a firsthand look at the productive 800rks, contact your 3M sales representative or 3M-Matic systems distributor. Or call 1-800-722-5463.

**Frame-mounted tape drum**  
Adjustable friction brake tape drum  
16" (406mm) tape roll diameter capacity

**Side drive belt assemblies (4)**  
Positive box drive through taping head  
Self-centering, independent pneumatic force adjustment  
Laced box drive belt for easy installation and removal  
Belt speed 88 feet per minute (0.45 m/s)

**Emergency stop switch**  
Located on both sides for increased safety  
Electrical and pneumatic lockouts

**Adjustable cylinder stop**  
Increases productivity by allowing user to limit travel of upper taping head

## PLC control

**Functional industrial design**  
16-gauge (1.5mm) formed steel frame  
Lower bracing for added strength and rigidity  
Dual masts for greater stability  
Hexagonal threaded inserts for convenient mounting of components  
Tough epoxy paint

**Instructional and safety labeling**

**Graduated inner legs**  
Allow precise bed height adjustment from 24" to 36" (610mm to 915mm)

**Punched steel sideguards**  
More durable and scuff-resistant than plastic  
Built-in safety switch disables machine when door is open

**Pneumatic box stop**  
Allows easy single-operator loading of extra-long boxes

**Options:**  
Tape application sensor



## AccuGlide™ II Taping Head

3M's advanced, low-impact AccuGlide II 3" taping head, with its curvilinear track, ensures that even lightweight corrugated cases are securely and carefully sealed. Provides positive tape starting and precise tape application. Applies standard 2.75" (70mm) tape leg lengths. And a built-in blade oiler helps prevent adhesive buildup. The head comes with a 90-day warranty on knife blades, springs and rollers and a three-year warranty on all other parts.