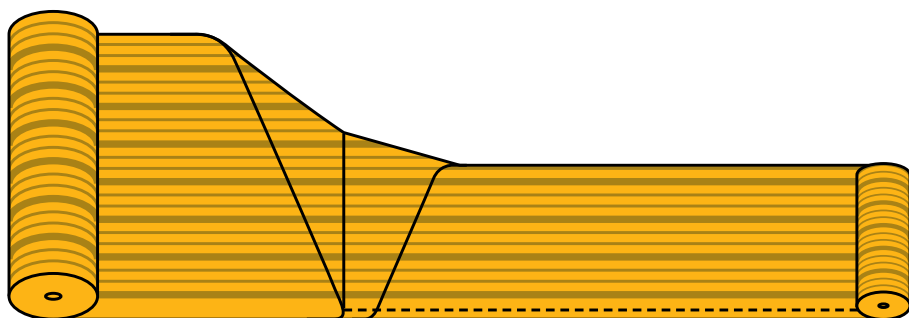
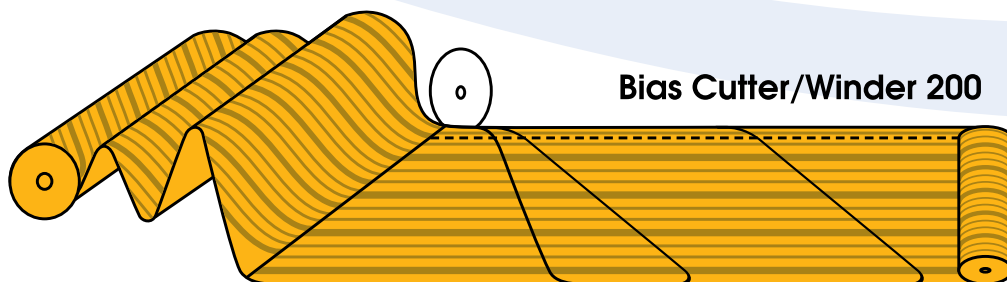


## The Complete **Bias System**

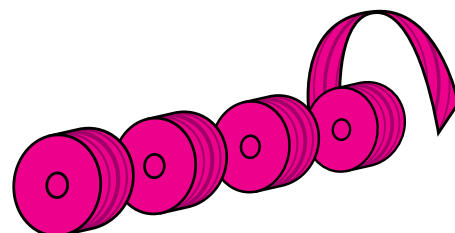
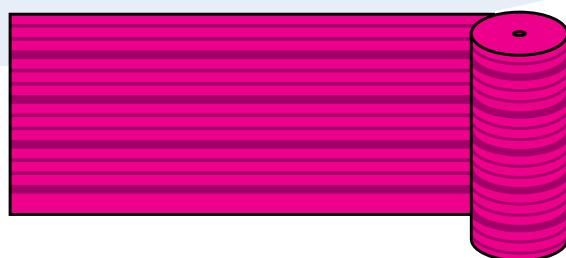
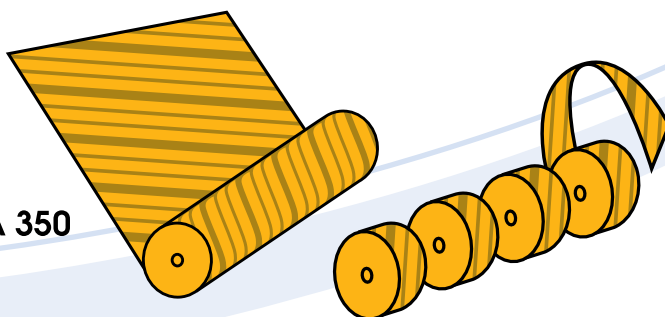
Tube Sewing Unit 200



Bias Cutter/Winder 200



Strip Cutter FA 350



# Tube Sewing Unit 200

The Tube Sewing unit 200 sews open fabric into a continuous tubular piece. This is the first stage required to produce Bias Binding. The unit is easy to use, requiring minimal operator assistance.

## The Sewing Process

- Open width fabric (up to 200cm/78") passes through a folder.
- Folded edges are automatically aligned, prior to seaming.
- Excess fabric is trimmed away during sewing.
- An in line heated iron, irons the sewn seam.
- The fabric is re-rolled.



### Machine features:

- Preset stitch counter (for lock stitch, to eliminate the risk of bobbin thread running out).
- Thread break detector.
- Vacuum unit to remove excess trimmed material.
- Electronic machine speed regulator.
- Automatic photo cell edge alignment.
- Variable stitch length.

### Technical Data:

Sewing head	Lockstitch*
Maximum open width	2000 mm (78")**
Maximum roll diameter	400 mm (16")
<b>Power</b>	230 V, single phase, 50/60 cycles
Air supply	6 bar
<b>Machine dimensions</b>	
Floor space	380 x 165 cm (12,5 x 5,5 ft)
Net weight	400 kg (880 lbs)

# Bias Cutter/Winder 200

The Bias Cutter/Winder 200 opens previously formed tube material – spirally on the bias – and rewinds a single ply roll – prepared for the Svegea Strip Cutter series.

- New Frame Design
- Pneumatic control of fabric pressure bar
- Electronic (joystick) Drive/Transport of Fabric Bias Bars
- New Easy unloading mechanism of fabric roll
- Pneumatic knife grinder
- Equipped with Bow Bar for wrinkle elimination



### Machine features:

- Max width of material 200cm (78").
- Max width of tube material to be opened and rolled on the bias - measured double flat is 120-155cm (47-61") depending on the bias angle.
- In order to ensure minimal waste the 45 degree bias angle is adjustable between 38 and 52 degrees (from 12 degrees with 12 kit options), allowing control of the final width of the bias roll.
- One arm is free floating on roller bearings which self adjusts the tension of tube material. This compensates for irregularities in width of tube.
- All rollers have sealed ball bearings.
- Svegea's Bias Cutter/Winder has an advanced electronically controlled speed regulation allowing stepless speed control up to 30 Meter/minute, keeping the rotating speed of the basket (for folded material) or the tube feed unit (rolled material) true to the speed of the Bias Cutter.

## Technical Data:

Maximum operation width	2000 mm (78")*
Maximum roll diameter	280 mm (11")
Reroll shaft diameter	48 mm (1 7/8")*
Card board core inside diameter	50 mm (2")*
Bias cutting blade	150 mm (6")
Bias angle	38 – 52 degrees**
Running speed	infinitely variable, up to 30 m/min (33 yards/min), electronic

### Motors

Main motor	1,1 kw
Motor for cutter blade	0,18 kw
Power	230 V, single phase, 50/60 cycles

### Machine dimensions

Length / Width / Height	235 / 150 / 110 cm (93 / 59 / 43")
Net weight	490 kg

### Standard

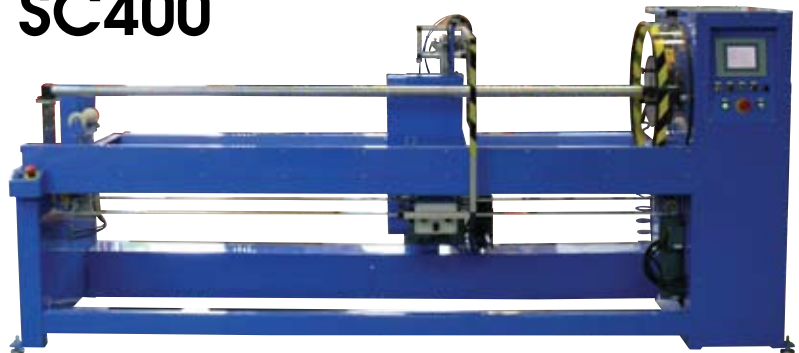
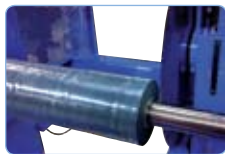
- Out of fabric Auto Stop.
- Electronic meter/yardage counter for accurate control of rolled length or pre-setting of required length.
- Electronic speed synchronization of Fabric Rotator
- Integrated Fabric Rewinder

\* Other dimensions on request

\*\* 12 – 52 degrees with optional kit

# Strip Cutter SC300 / SC400

Semi-Automatic slitting machine. Will slit any type of material on the roll (e.g. open knits, woven fabric, Satin, Polyester, some paper products, non wovens etc).



Mirror-faced version

## Machine features:

- The Svegea Strip Cutter handles material on the roll to a maximum width of material 200cm (78") and roll diameter up to 300mm (12") / 400mm (15 3/4").
- Fabric shaft diameter 48 mm (1 15/16")\*.
- Recommended card board tube inside diameter 50 mm (2")\*.
- The Svegea Strip Cutter is equipped with a dual purpose chuck. The fabric roll can be held with pins and "soft jaws" which will hold the cupboard core.
- Electronic band width setting and transport of Cutter carriage, one button operation.
- Cut width setting is extremely precise (+/-0.5 mm, 1/32").
- The SC 300 / SC 400 is equipped with a 350 mm (13 3/4") / 500 mm (20") blade. An optional blade cooling device (mist spray type) is available.
- The machine is equipped with a semi-automatic blade sharpening device, diamond sharpening stone.

## Technical Data:

## SC 300/400

Maximum operation width	2000 mm (78")*
Maximum roll diameter	300 mm (12") / 400 mm (15 3/4")
Diameter of cutting blade	350 mm (13 3/4") / 500 mm (20")
Diameter of fabric shaft	48 mm (1 7/8")*
Card board tube inside diameter	50 mm (2")*
Roll speed	Infinitely variable, electronic
Speed of cutting blade	Infinitely variable, electronic
Forwarding speed of cutting blade	Manual / electronic
Band width, electronic setting	From 5 mm (3/16")
<b>Motors</b>	
Main motor for chuck	1,1 kw / 1,5 kw
Motor for cutter blade	1,5 kw / 2,2 kw
Motor for grinding stone	0,18 kw
Power	230 V, single phase, 50/60 cycles

### Machine dimensions

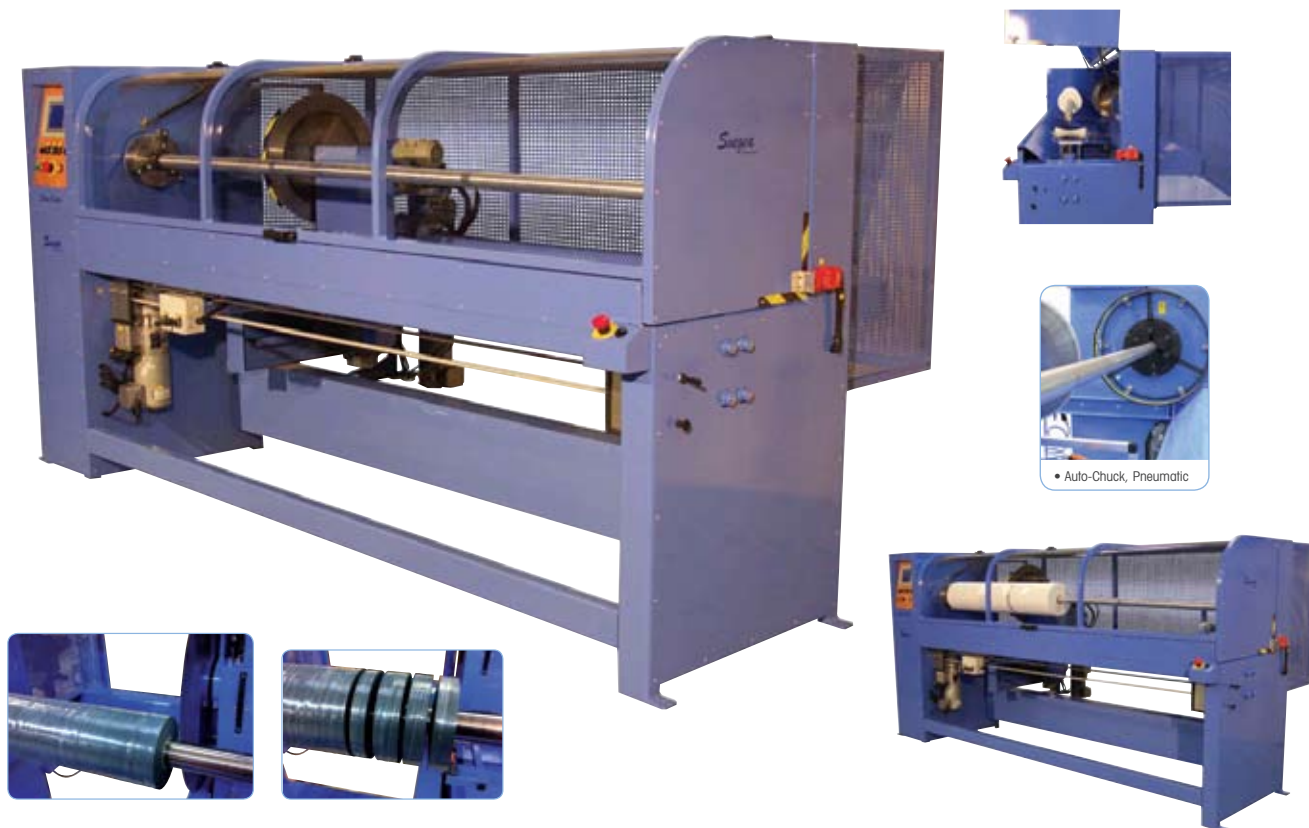
Length / Width / Height	325 / 120 / 156 cm (130 / 47 / 61")
Net weight	650 kg / 700 kg

### Options

- Blade cooling system
- Integrated rewind unit

\* Other dimensions on request

# Strip Cutter FA350 / FA500



## Machine features:

- 2000 mm width capacity.\*
- 300/400 mm maximum roll diameter.\*\*
- 350/500 mm blade diameter.\*\*\*
- Up to 3 preset cut widths and number of cuts per cycle, 3 programmes as standard.
- Totally enclosed during cut cycle for complete operator safety.
- Adjustable variable speed blade penetration.
- Adjustable variable speed blade and material roll rotation.
- Automatic sharpening of cutting blade with adjustable sharpening time.
- All functions are PLC controlled.
- Touch screen panel.
- Pneumatic fabric loading support.
- Automatic blade cooling device with variable settings. (optional).
- Auto - chuck, pneumatic. (optional).
- Mirror - faced version. (optional).

## Technical Data:

Maximum operation width  
 Maximum roll diameter  
 Diameter of cutting blade  
 Diameter of fabric shaft  
 Card board tube inside diameter  
 Cutting accuracy  
 Air pressure

### Motors

Motor – chuck  
 Motor – Cutter blade  
 Motor – grinder

### Power

**Machine dimensions**  
 Length / Width / Height  
 Net weight

### Options

## FA 350/500

2000 mm (78")\*  
 300 mm (11 1/2") / 400 mm (15 3/4")\*\*  
 350 mm (13 3/4") / 500 mm (20")\*\*\*  
 48 mm (1 7/8")\*  
 50 mm (2")\*  
 +/- 0,01 mm  
 6 bar min.

1,1 kw / 1,5 kw  
 1,5 kw / 2,2 kw  
 0,18 kw

230 V, single phase, 50/60 cycles

325 / 150 / 156 cm (130 / 59 / 61")  
 840 kg / 860 kg

- Auto-Chuck, Pneumatic
- Blade cooling system

\* Other dimensions on request

\*\* FA 600: max.roll ø 500mm

\*\*\* FA 600: Cutting blade ø 600mm

Specifications and appearance are subject to change without prior notice for improvements.



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