

SPADONE

RUGGED + RELIABLE FOR OVER 100 YEARS

VERTICAL BIAS CUTTER

White Sidewall Buffers & Sprayers | Vent Trimmers | Skivers | Bias Cutters | Guillotines
Alfa Shears | Web Handling | Trucks | Upgrade Kits | Spare Parts



www.spadonemachine.com

VERTICAL BIAS CUTTER



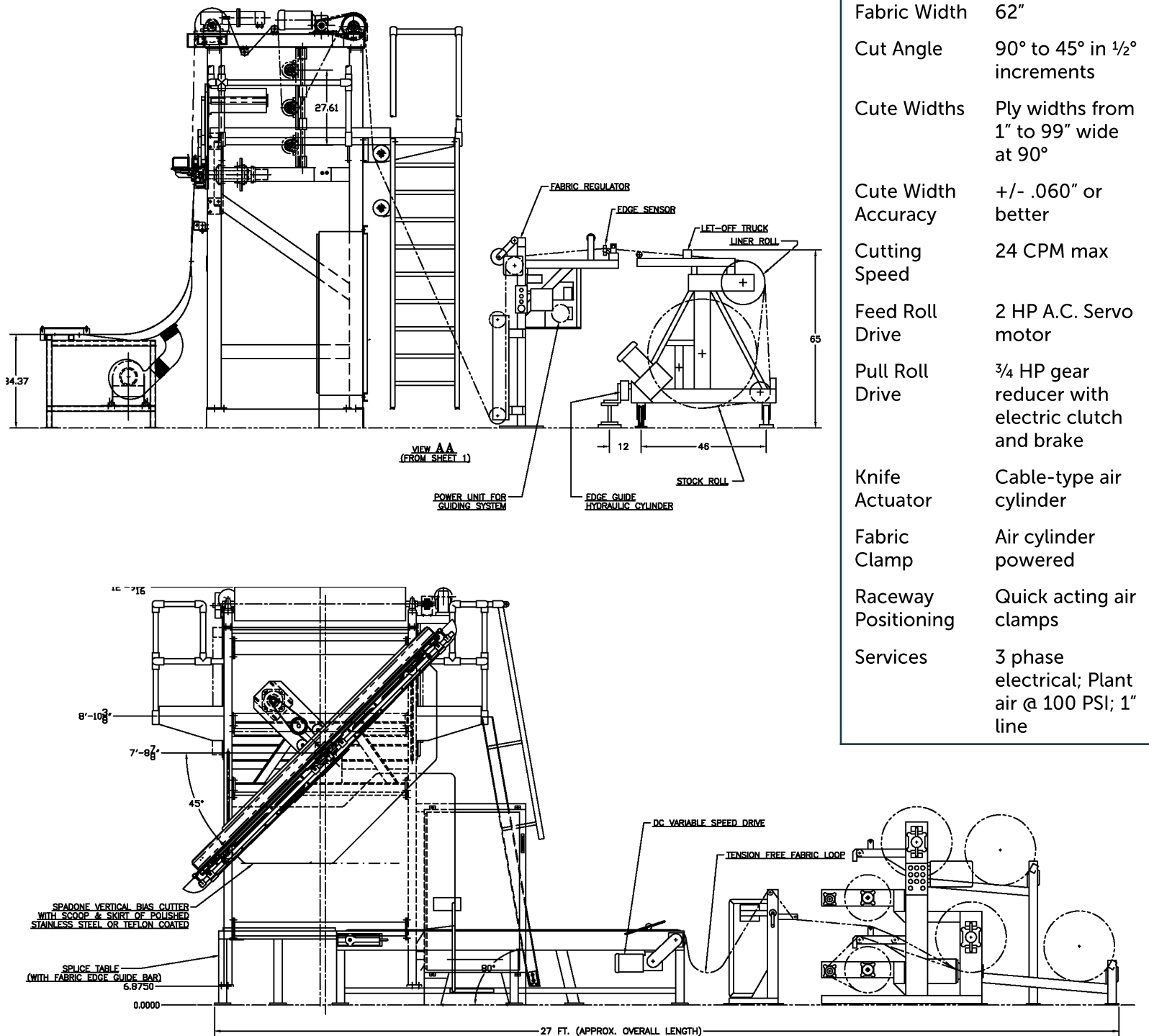
Technical Specifications

Spadone's Vertical Bias Cutters are designed for the most demanding applications. Since 1917, Spadone has manufactured rugged and dependable machines for the tire and rubber industry. Spadone's Vertical Bias Cutter is fully automatic, and designed to cut ply stock at angles of 90° to 45° from full width rolls of fabric. With a broad range of options and configurations, Spadone's Vertical Bias Cutters are designed with the highest production capability in mind.

Features

- Fully automatic
- Cut angles from 90° to 45°
- Cut steel cord and textile fabric
- Close accuracy
- High production capability
- Rugged and dependable
- Significantly reduced footprint
- Guarded for operator safety
- Allen Bradley PLC system
- Precise Servo-driven feed roll
- Textile fabric with steel cord option
- Dual let off system has both forward and reverse features
- Fabric compensator system with edge guiding
- Production of 24 CPM max
- Optional features include spreader rolls, safety chucks and pricker rolls
- Helper motor for ease of unwind to cutter
- Available with let-offs and wind-ups

Illustrative Drawing



Specifications

Fabric Width	62"
Cut Angle	90° to 45° in 1/2° increments
Cute Widths	Ply widths from 1" to 99" wide at 90°
Cute Width Accuracy	+/- .060" or better
Cutting Speed	24 CPM max
Feed Roll Drive	2 HP A.C. Servo motor
Pull Roll Drive	3/4 HP gear reducer with electric clutch and brake
Knife Actuator	Cable-type air cylinder
Fabric Clamp	Air cylinder powered
Raceway Positioning	Quick acting air clamps
Services	3 phase electrical; Plant air @ 100 PSI; 1" line

UPGRADE KITS FOR VERTICAL BIAS CUTTERS

Upgrade Kits

The venerable 64" Vertical Bias Cutter has remained a fixture in many plants around the world. Spadone offers several simple conversions that improve performance and reduce maintenance, as well as machine add-ons that will improve productivity and efficiency. While most of these are applicable to the late 64" models, the servo conversions have been successfully implemented on the Model 100. Contact us with the serial number of the machine to see if your Spadone Bias Cutter can benefit from the upgrade kits listed below.

Complete Feed Roll Kit

Eliminates the ratchet assembly with an electric clutch and brake.

Air Operated Fabric Clamp

A better way to activate the fabric clamp. A change of air pressure will adjust for exactly the correct fabric clamping pressure. Difficult adjustments at the end of the clamp are no longer necessary.

Bias Angle Raceway Clamp

Simplify changing the bias angle. A movement of the manual air valve frees the raceway for change of angle.

Servo Feed Roll Conversion

Latest servo technology to enhance cut accuracy. This kit replaces the old electro-mechanical fabric feed mechanism with a direct servo drive to the feed roll.

Aluminum Clamp Bar

Stop damaging the surface of the raceway

Warner Electric Clutch and Brake

Replace the JW8 mechanical clutch.

Anti-Friction Bearings / Bearing Supports

Replace the Babbitt Bearings in the Main Drive with enhanced components.

RUGGED. DEPENDABLE. RELIABLE.

Spadone is the worldwide brand leader in equipment for the tire, rubber and industrial markets. Since 1917, Spadone equipment has proven to be rugged, reliable, and dependable. For over 100 years, Spadone has proudly manufactured in the USA. As the pioneer in bias cutters, Spadone continues to lead the way by providing the highest quality equipment to meet the growing needs of its customers throughout the world.

**INDUSTRY LEADING
PERFORMANCE
SINCE 1917**

SPADONE

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