



## Model 941 / 942

# Double End Stator Lacing Machine

Link Lacers offer the unique diamond stitch pattern for tight lacing, maximum wire coverage and bore clearance. A rugged, proven design and high quality construction provide many years of reliable service.

There are over 1500 Link Stator Lacers operating in demanding production environments worldwide.

The Link Models 941 and 942 Double End Stator Lacer are the latest versions of the machine which simultaneously lace both ends of fraction and small integral horsepower electric motor stators. The 941 and 942 incorporate many design improvements, while retaining the heavy-duty construction and quality workmanship that have made this lacer the industry standard for over 20 years.

An air brake is coupled with the horizontally mounted DC motor and gear reducer to provide smoother, quieter operation. Automatic cord tension control is achieved by using an Electronic Tension Head, and the Link Model 1355 sequence controller.



**Model 942 Double End Stator Lacing Machine**

The microprocessor-based sequence controller and resolver enable programming a variety of multiple stitch lacing patterns with accurate control of lacing speeds up to 125 stitches per minute. Knots are automatically prepared in the cord tails at the end of the lacing cycle for the operator to manually position leads.

A wide variety of productivity improvements and safety options are available. These include knot tightening, hot cord melt and vacuum removal, cord cut and clamp centerpost, pneumatic stator lift, non-radial slot Stepper Index, adjustable lift arms, light curtain, and several guarding options.

The optional Stepper Motor Index adds more flexibility for quickly changing lacing patterns.

Also, many options are available for automated line applications.

Tooling may be customized for almost any stator shape-up to 8 inches (203mm) outside diameter, and 6.0 inches (152mm) stack height. An adjustable lift arm option accommodates a wide range of coil end turn heights.

Both manual and fully automatic load/unload assist devices are also available

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### Standard Features

- Knot Preparation
- Recirculating oil lubrication
- Variable speed motor
- Rugged gearbox
- Pneumatic brake
- Cam-driven motion control
- Upper needle casting counterbalance
- Hot wire cord cutting
- Microprocessor-based Sequence Controller with 110 volt AC I/O
- Resolver
- Electric Eye cycle interrupt
- Inch screws & fasteners: 941
- Metric screws & fasteners: 942
- High-mount electronic cord tension
- Lacer mounted operator controls
- Modular base and legs

### Options

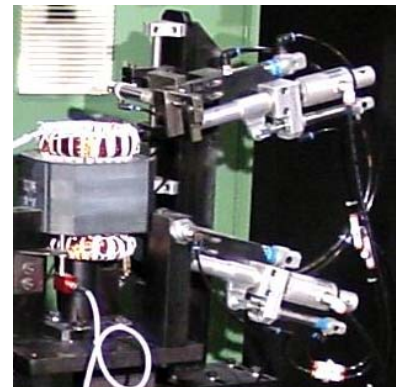
- Stepper Motor Index with Tooling Plate Position Sensor
- Knot tightening, cord melt-off and vacuum removal (on the machine, or as a separate station)
- Cut and clamp centerpost
- Pneumatic stator lift
- Hanger loop forming
- Non-radial slot stepper index
- Special guarding
- Safety light curtain
- Oil sight gage
- Manual load/unload assist arm
- Automatic load/unload system
- Broken cord sensing
- End-of-cord sensing
- Stator sensing
- 24 Volt DC controls
- Automatic stack height adjustment
- PLC Controls

### General Specifications

Stator O.D:  
Max. 8.0 in (203mm)  
Stator I.D:  
Min. 1.56 in (40mm) Std.  
Centerpost  
Min. 2.0 in (51mm) Cut & Clamp  
Stack Height:  
Min. .80 in (20mm)  
Max. 6.0 in (152mm)  
Coil Height:  
Max. 2.0 in (51mm)  
(Subject to Options Selected)  
Stitch Rate: 125 per minute  
Changeover Time (in minutes):  
5 to 8 (to change standard centerpost)  
8 to 12 (to change cut/clamp centerpost)  
3 to 5 (to change OD)  
3 to 4 (to change stack height)  
Motor: 1HP AC or DC (.8 kw)  
Air Supply: 80 psi (5.5 bar)  
Weight: 1500 lb (680 kg)  
Dimensions:  
Length 57 in (1448mm)  
Width 52 in (1346mm)  
Height 63 in (1600mm)



Automatic Stack Height Adjustment



Automatic Knot Tightening



High-mount Electronic Cord Tension