



**DLL-5 Double
End Lacer**



SMALL FRAME LACING MACHINES

DLLT-5 Turntable Lacer



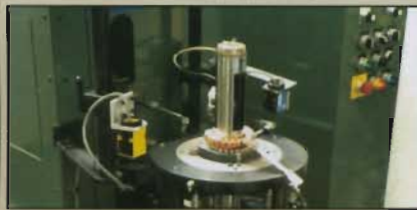
**FFLT-5 Final Form
Lacing Turntable
Machine**



DLL-5 Double End Lacing Machine

Alliance Double End Lacers Include:

- Off-the-shelf programmable controls
- Diamond chain-type stitch
- Fully automatic knot-tie and string trim
- Reliable high speed operation
- Magnetic brake tension device for lacing cord
- Automatic load/unload (optional)
- Servo driven fully automatic stack height adjustment (optional)
- All servo drive lacing and adjustment (optional)



DLL-5 Double End Lacing Machine

(shown on front 1,4mL x 1,4mW x 1,6mH) – The DLL-5-A is a double end lacing machine that laces and ties the knot on both top and bottom end turns of the stator simultaneously.



DLL-5-S Lacing Machine with Automatic Stack Adjust

This lacing machine is the servo-controlled version of our popular DLL lacer. Servo motor control of the lacing functions permits automatic stack adjustment as well as programmable lacing of each slot. This is useful when lacing across breaks between the main and aux coils and across thermal protectors.



DLLT-5 Turntable Lacer

The DLLT-5 turntable lacer fully automates the lacing operation while insuring the highest possible quality and productivity.



PC Operator Interface on DLL-5-S

The PC operator interface for our lacing machines includes digital diagnostics as well as for all lacing parameters. Since the lacing operation is servo controlled, each slot can be individually programmed for optimum tight lace.



Automatic Knot Tie

Alliance lacers come standard with automatic knot tie capability. Unlike older designs, the Alliance knot tie mechanism does not require external devices to prepare or tighten the knot, simplifies the mechanism and reduces overall cycle time.



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