



EDL 30/40 Double Wrapper With Heat Tunnel ALLEGIANCE s/n 45028

Operating and Maintenance Manual

EDL Packaging Engineers, Inc. 1260 Parkview Road Green Bay, WI. 54304 PH 920-336-7744 Fax 920-336-8585

www.edlpackaging.com



Table of Contents

Chapter 1 Introduction	1-1
1.1 What this Manual Contains	1-2
1.2 How to Use this Manual	1-3
Chapter 2 Safety	2-1
2.1 Operator Safety Responsibilities	
2.2 Safety Hazard Warnings and Cautions	
2.3 Safety Hazards	2-8
2.4 Safety Devices	2-13
Chapter 3 Sequence of Operation and Equipment Des	cription
3.1 Sequence of Operation	3-1
3.2 Pre-Start	
3.3 Start Up Procedures	3-4
3.4 Shut Down Procedures	3-5
3.5 Loading and Threading Film	3-6
3.6 Performing a Manual Seal	3-7
3.7 Monitoring	3-8
Chapter 4 Control Screens	4-1
4.1 Main Screen	4-2
4.2 Main Menu	4-4
4.3 Timer Menu	4-6
4.4 Sealer 1 Timer	4-8
4.5 Sealer 2 Timer	4-9
4.6 Film Feed Timers	4-10
4.7 Set Time & Date	4-11
4.8 Shrink Tunnel	4-12
4.9 Clean Screen	4-13
4.10 Guard Doors	4-14
4.11 Alarm Menu	4-15
4.12 Temperture Control	4-16
4.13 Sensor Screens	4-17
Chapter 5 BOM	5-1
Spares Listing	



Prints Mechanical \ Electrical	
Chapter 6 Maintenance, Adjustment, and Repair Procedures	6-1
6.1 Removing and Replacing Sealer 1 Flight Bar Jaw	6-2
6.2 Removing and Replacing Sealer 2 Jaw	6-4
6.3 Removing and Replacing Anvils	6-6
6.4 Removing and Replacing Shrink Tunnel Heater Elements	6-8
Chapter 7 Preventive Maintenance and Lubrication	7-1
7.1 Preventive Maintenance and Lubrication Schedule	
Chapter 8 Troubleshooting	8-1
Summary	
8.1 Troubleshooting Table	
8.2 Sealing Faults	8-5
8.2.1 Conditions for a Good Seal	8-5
8.2.2 Jaw Alignment	8-5
8.2.3 Seal Analysis	8-6
8.2.4 Poor Welds and Their Causes	8-6





Chapter 1 Introduction

EDL has over 40 years experience in the design and manufacture of shrink/tight wrap bundling machinery for end-of-line packaging systems. The company originated in England. In the late 1980's our US headquarters were established in Green Bay, Wisconsin, originally as a sales office. We have since expanded to include customer service, engineering, marketing, and manufacturing. We have recently moved in to our new facility. (Our third expansion in five years)

This manual is a reference for the EDL Bundler. It is designed to provide clear and simple explanations of safety, equipment overview, maintenance procedures, operator controls, and routine operating procedures.

Use the information and procedures contained in this reference manual to operate, maintain, adjust, and repair the bundler

	<u>Page</u>
1.1 What this Manual Contain	
1.2 How to Use this Manual	1-3



1.1 What this Manual Contains

Chapter 1

Introduction: provides an overview of this manual.

Chapter 2

Safety: contains safety guidelines for operating and maintaining the bundler

Chapter 3

Sequence of Operation and Equipment Description: provides a description of the sequence of operation and major components.

Chapter 4

Controls: provides a description of the operating controls on the bundler.

Chapter 5

Spares Listing of recommended spare parts which should be ordered, and kept on hand to repair EDL bundler should a minor failure occur. Seal Jaw Breakdown & Bill of Material, EDL Wrapper Bill of Material Listing of parts by assembly.

Chapter 6

Maintenance, Adjustment, and Repair Procedures: provides step-by-step procedures for maintaining, adjusting, and repairing the bundler.

Chapter 7

Preventive Maintenance and Lubrication: provides inspection and preventive maintenance instructions for the bundler.

Chapter 8

Troubleshooting: describes common problems that can occur with the bundler, cites probable causes for each problem, and lists possible solutions for each cause.

Chapter 9

Air & Electrical Prints. Prints of air & electrical circuits.

Chapter 10

Mechanical Prints. Prints of major frame assemblies.



1.2 How to Use this Manual

There are three ways to find information in this manual:

- The Table of Contents lists the chapters in the manual, and the major sections in each chapter.
- The first page of each chapter includes a chapter table of contents.
- The header at the top of every left-hand page includes a chapter reference.