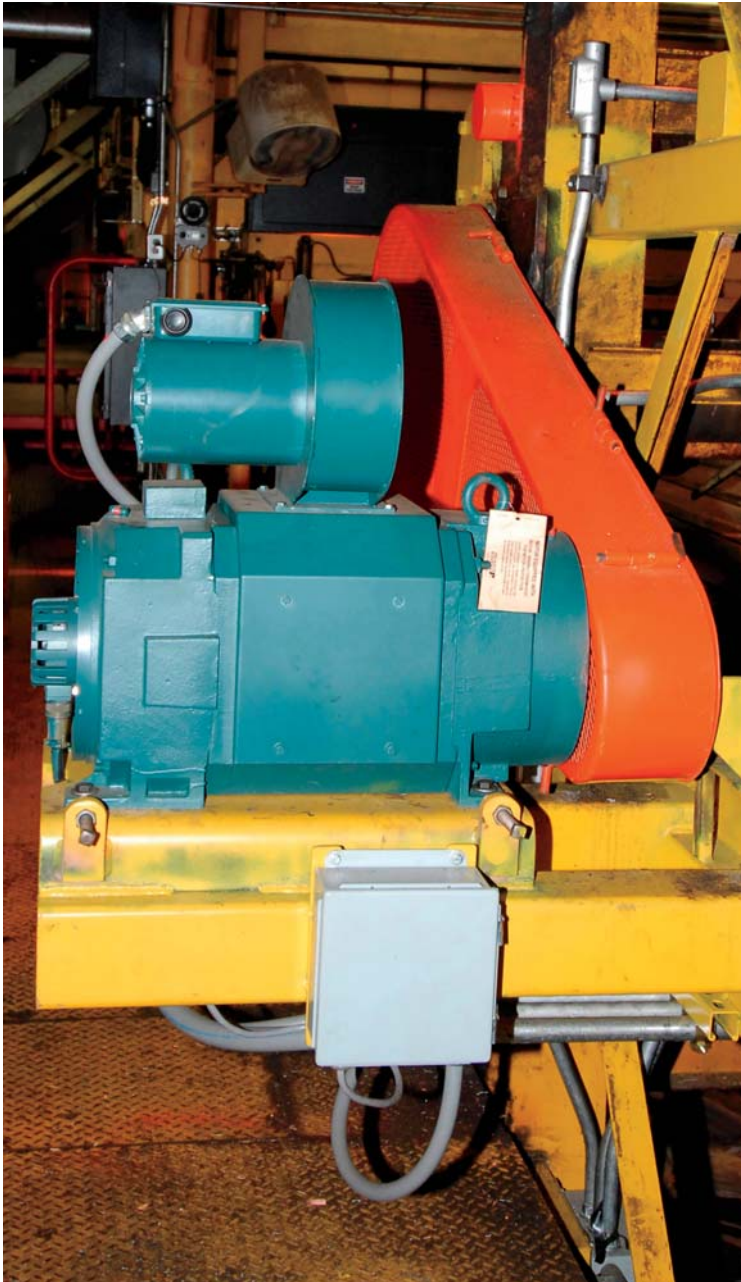


TRAY DRIVE SYSTEMS

LEADING-EDGE TRAY CONTROLS AND DRIVES



INTRODUCTION

The ALTEC Tray Drive System uses the latest in PLC and AC drive technology. Our standard configuration uses a stand-alone Allen-Bradley ControlLogix PLC, Allen-Bradley PowerFlex 700 AC variable frequency drives (VFDs) with Ethernet communications and Reliance RPM AC motors. The system can interface with existing lathe spindle drives of all types or can include a new lathe spindle drive using DC, AC or AC servo technology.

Our tray sequencing program is unique in its simplicity. It has been developed and refined over the last fifteen years on many different peeling lines. The program handles adverse conditions such as belt slippage and random pieces with ease. Operator intervention is not necessary.

The program contains most of the features used in the industry, such as:

- Clipper feed-through
- Sheet break
- Minimum tray fill
- Catch-up mode.

These features can be enabled and disabled as necessary to meet customer's specific needs. The system can also be further customized to meet other unique requirements.

The PLC panel can be supplied on it's own to interface with existing drive systems or can be provided with a complete new drive system.

The controls are available as a stand alone system ready to seamlessly integrate into existing installations or can be supplied as part of the ALTEC Lathe Control System. The Tray Drive controls package can include the drives and the motors as well.



DRIVE PANEL



PLC CONTROL PANEL

FEATURES

- AB ControlLogix PLC
- AB PowerFlex 700 AC VFDs
- Reliance RPM AC motors
- FactoryTalk View ME HMI
- Simple and reliable PLC program
- Catch-up mode
- Feed-through mode
- Minimum tray fill mode
- Sheet break mode
- NEMA 12 enclosures certified to uL508A and CSA 22
- Short commissioning time
- Proven track record.

