A photograph of a flat motor conveying system, showing a long, curved conveyor belt supported by a series of rollers. The system is industrial and appears to be part of a larger manufacturing or material handling process. The image is overlaid with a blue semi-transparent graphic element on the left side.

FLAT MOTOR CONVEYING SOLUTIONS

SAVES ENERGY

VIRTUALLY SILENT

MODULAR COMPONENTS

REDUCED DOWNTIME

REDUCED MAINTENANCE

INEXPENSIVE SOLUTION

Why Atlantis Flat Motor Driven Roller Conveyor? (FMDR)

- Saves Energy - "run on demand"
- Virtually Silent - band driven ABEC rollers with no gearbox noise
- Modular Components - only one motor to stock
- Reduced Downtime - long life brushless DC motor
- Reduced Maintenance - fewer mechanical components
- Saves Space - lower roller height and space for accessories
- Modular - pre-wired, full control package available

Flat Motor

- 2 bolts for easy removal
- Brushless DC motor



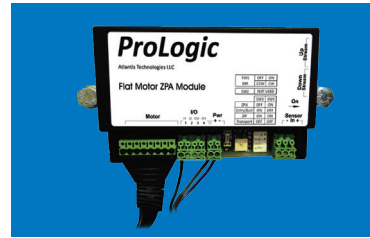
LOGIC CARD FEATURES

- Jam Protection
- "Sleep" Feature
- Long Zone Technology

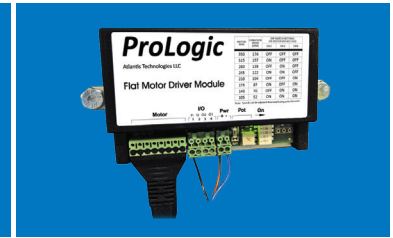
THREE MODES OF OPERATION

- Singulation Mode
- ZIP Mode
- Transportation Mode

2 Card Options

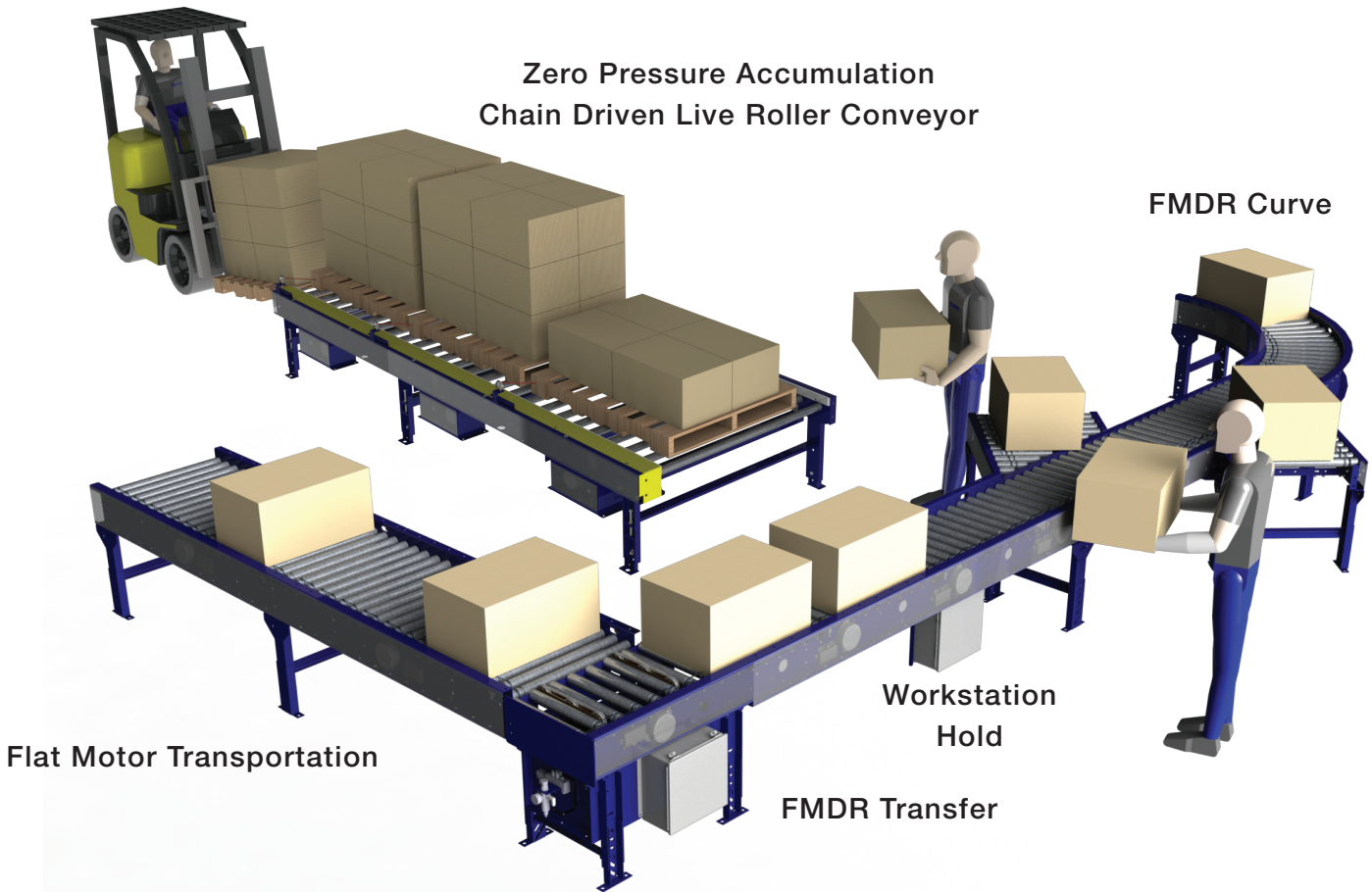


Zero Pressure Accumulation



Basic Card for Manual Control

FMDR Applications Utilizing ProLogic Control



UP TO 40 ZONES PER STANDARD 40 AMP POWER SUPPLY

 **Transportation**

FEATURES

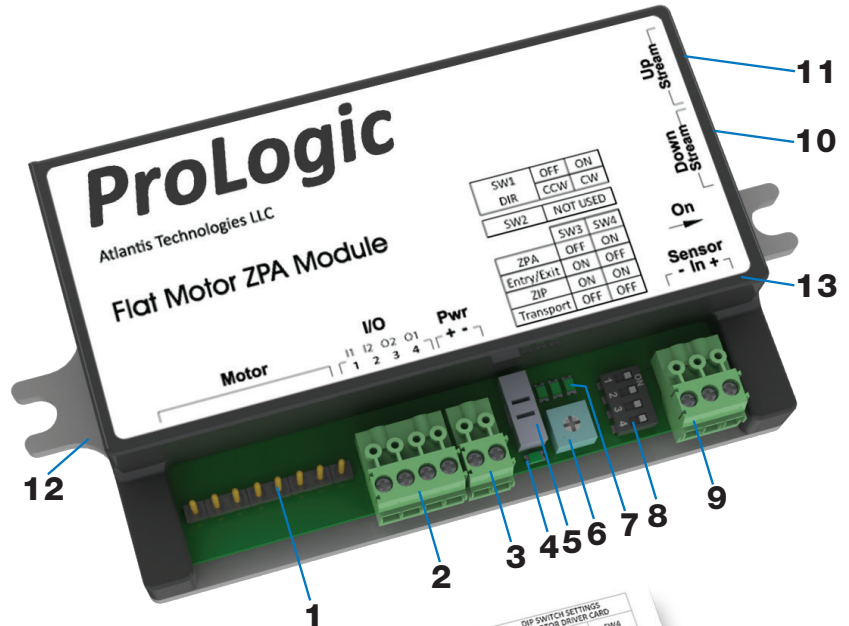
- Up to 120 lbs. total live load capacity
- 3" roller centers (other centers available)
- Up to 200 FPM nominal with light loads and short zone lengths
- Timing photo eye for zone run/sleep (optional)



Module Specifications

USER INTERFACE:

1. Motor Connection
2. Smart Input/Output (I/O)
3. DC Power Input Connector
4. Blown Fuse Indicator LED
5. Replaceable 10A Fuse
6. Potentiometer for Speed Control
7. Diagnostic LEDs
8. Function Control Switches
9. Sensor Connector
10. Downstream Cable Connection Jack
11. Upstream Cable Connection Jack
12. Mounting Plate/Heat-Sink
13. Cover

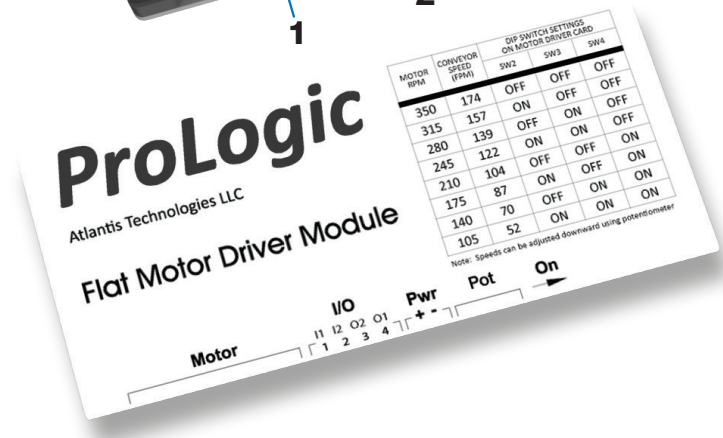


FLAT MOTOR ZPA MODULE

- Used for zoned accumulation via onboard logic
- Multiple modes of accumulation via DIP switch selection
- One module is required for each flat motor

FLAT MOTOR DRIVER MODULE

- Used for manually controlled zones via PLC or remote logic
- One module is required for each flat motor



Conveyor Specifications

SPECIFICATIONS

- 13" - 39" between frame
- 35 - 175 FPM speeds

DRIVE OPTIONS

- High tension bands
- Ultra bands

ACCESSORIES

- Floor and ceiling supports
- Side guides
- Lexan side frame cover
- Power supplies
- Power distribution cables

CONFIGURATIONS

- Straights
- Curves
- Spurs
- Transfers