

CHICAGO ELECTRIC



Technology to Improve Productivity



PRO Drive™

AC Vector Drive Program

- **Upgrade obsolete drives** with ProDrive™ AC vector motors & controls
- **10 - 250 HP** completely engineered solutions
- **Same day shipment** gets you up & running fast

ProDrive™ AC Vector Program replaces obsolete AC and DC drives with the latest technology at a great value. ProDrive™ is available from 10 to 250 HP as a complete engineered solution with control options and wiring diagrams for quick and easy installation. ProDrive™ is the choice to get your machinery running, with selected ratings in stock for same day shipment.

AC Vector Controller

ProDrive™ offers two controllers: the cost-efficient Unidrive open loop controller; and the high-performance PowerFlex controller.

- 10 - 250 HP
- 460 VAC



Emerson Control Techniques
Unidrive Controller

- Open loop control
- Easy to use



Rockwell Allen-Bradley
PowerFlex 753 Controller

- Closed loop control
- High performance

AC Vector Motor

ProDrive™ AC motors are available in two designs: the standard TEFC NEMA frame or the RPM Series in a compact blower-ventilated frame size.

- 10 - 250 HP
- 1800 RPM; 460 VAC
- 20:1 constant torque speed range



NEMA Frame Motor

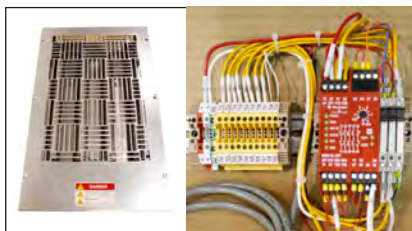
- TEFC
- Cast iron



RPM Series Motor

- Blower ventilated
- Direct replacement for Reliance DC motors

ProDrive™ Options—Everything you need for a complete installation



Control & Fast Stop

Control relays and dynamic braking assembly for "Fast Stop" capability:

- Fast Stop timer relay
- Dynamic braking resistor
- 115 VAC input relays for start; stop; jog
- Speed potentiometer
- Pre-wired for quick installation



Power

Input power conditioning and fusing:

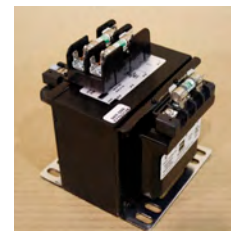
- Line Reactor
- Fuse Block
- Fuses



Closed Loop

Precise speed control:

- Motor speed feedback encoder
- Controller encoder module
- Requires RPM Series Motor



Control Power

Transformer assembly:

- 460 VAC Primary
- 115/230 VAC Secondary
- Includes fusing



Blower Motor Starter

Required with RPM Series Motor

Chicago Electric offers products, systems, and complete machine solutions for automation. Our scope of services includes: design, engineering, panel assembly, programming, testing, mechanical fabrication, installation, startup, and field service.

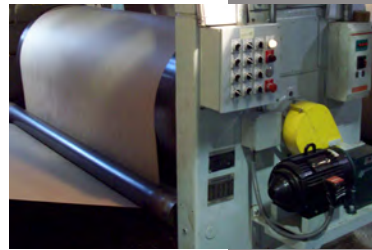
ProDrive™ Applications...

- 1. Rotary Die Cutter**
- 50 HP Ward RDC
 - TEFC Motor
 - SK Series Controller



1.

- 2. Flexo Folder Gluer**
- 75 HP Koppers FFG
 - RPM Series Motor
 - PowerFlex Controller



3.



2.

- 3. Preheater Direct Drive**
- 10HP Langston Upgrade
 - TEFC Motor with Gear Reducer
 - SK Series Controller

- 4. Singlefacer**
- 100 HP Langston XD
 - RPM Series Motor with Encoder
 - PowerFlex Controller



5.



4.

- 5. Glue Machine**
- Langston 131 Direct Drive
 - 10 HP Motors with Encoders
 - UniDrive Controllers

- 6. Doublebacker**
- 250 HP Direct Drive Upgrade
 - RPM Series Motor with Encoder
 - UniDrive Controller



6.

- 7. Stacker**
- Marquip Model III
 - 10 HP TEFC Motors with Encoders
 - PowerFlex Controllers



7.

PROTools

Productivity Improvement Technology

Improve Your Converting Machines with PROTools from **CHICAGO ELECTRIC**

better!



PRO Drive™

Upgrade obsolete drives with ProDrive™ AC vector technology

- 10 - 250 HP, AC vector controller & motor
- Same-day shipment

faster!

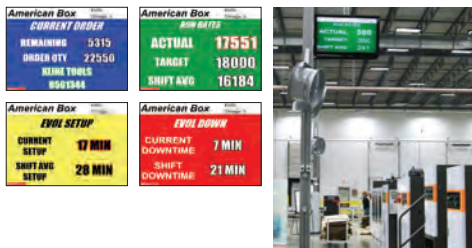


PRO Set™

Improve set-up times with ProSet™

- Automatic set-up control system
- Absolute encoder technology
- Allen-Bradley PLC controlled

smarter!



PRO Display™

Visualize real time productivity

- Improve productivity...Guaranteed
- Proven solution...370+ Installations
- Interface directly to **Kiwiplan** and **AMTECH** for real-time data

CHICAGO ELECTRIC



Corr24 is the Chicago Electric brand of upgrades for the corrugating industry. More than 3,500 upgrade solutions have been installed in the last 25 years.

GLOBAL. CORRUGATED. PRODUCTIVITY. TECHNOLOGY