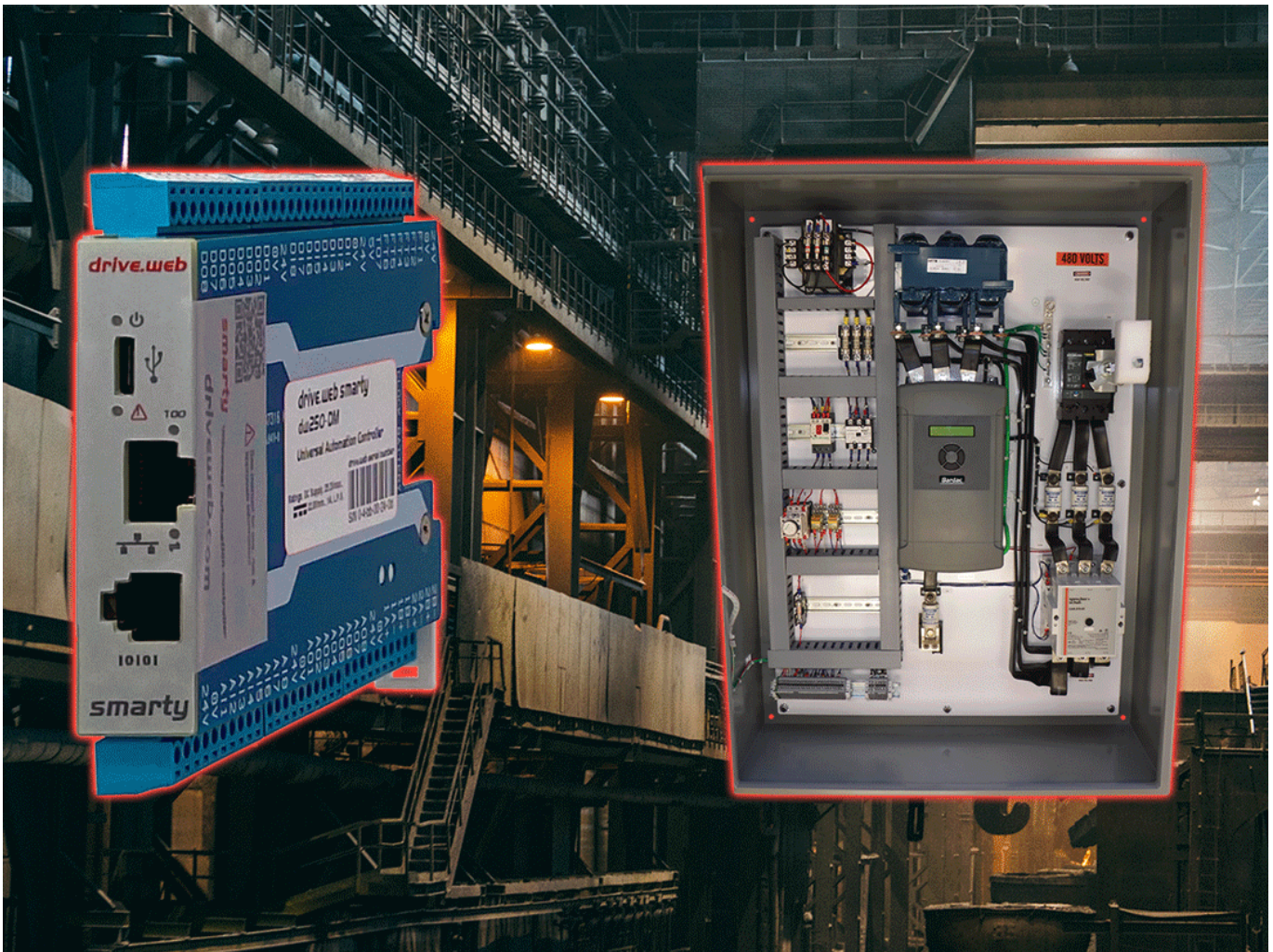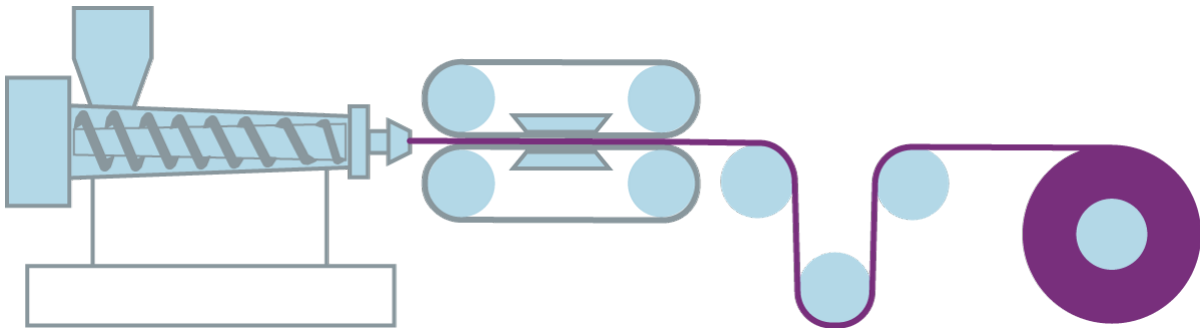# Bardac

Smart Drive Retrofit Packages

plug-in a *smarty* brain

Fast process upgrades & retrofits with smart, *Modulus* package replacements for aging AC & DC drives and PLCs

- Easy **drive.web** distributed control over Ethernet provides flexible integration with existing systems
- Total data access for IIOT enterprise information systems
- Low cost installation and start up with online support
- Pre-engineered automation solutions for a wide range of industrial applications
- Standard, compact packages save space, time, and money
- **savvy** tools for engineers and integrators ensure total system access for safe "doors closed" start up and operation

The *Modulus* Concept

- Smart drives in standard pre-engineered packages together with a **smarty** programmable automation controller
- **smarty** provides the brains to integrate the package into any industrial application
- **drive.web** distributed control over Ethernet provides:
  - ➤ peer-to-peer networking between all devices, to eliminate the performance bottlenecks that occur in conventional PLC topologies
  - ➤ A wide range of high performance distributed I/O for easy interfaces to existing equipment
  - ➤ Parallel processing shared between all devices that ensures no limit to the size of system that can be controlled in one homogenous environment
  - ➤ Distributed control in each device that ensures cost effective solutions in systems of any size or complexity
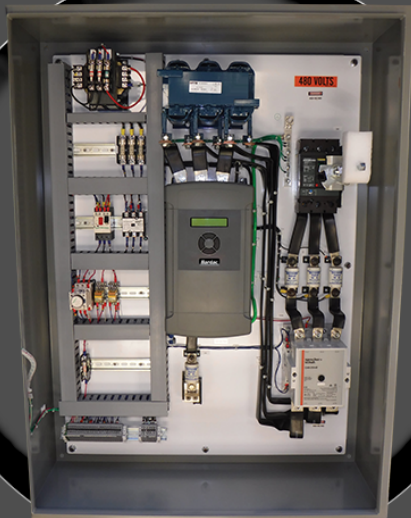
Pre-Engineered solutions for:

- Winders & coilers
- Indexing
- Electronic line shaft and gearbox
- Registration
- Cut to length
- Trapezoidal and cam motion
- State machine logic
- Sun tracking for solar energy optimization
- Multi-drive master line control
  ... and much more!

Go *drive.web* for smart automation!
Go **Modulus** for smart retrofits & upgrades!

Please email or call with inquiries today!
orders@bardac.com | +(410) 604-3400

Your *Bardac* and *drive.web* favorites, now online:
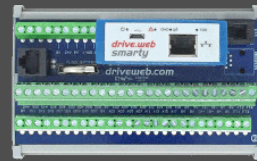
Modulus Packaged Drives
- A range of standard, pre- engineered drive packages with a selection of options for a wide range of common applications.
- Complete range of regenerative and non-regenerative AC & DC drives, single and three phase input, with wide ranging current and voltage ratings.
- Fuses and contactors built in
- Up to 2000HP available
- *drive.web* peer-to-peer Ethernet connectivity for real time communication between drives
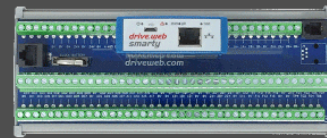- UL Build Standards Available!

Homogenous Distributed Control

drive.web Automation Controllers with I/O

- High resolution analog I/O
- Ample digital I/O
- Frequency inputs (100kHz)
- Encoder inputs (500kHz)
- Pulse outputs (1MHz)
- Multiple motion control functions built into a DIN rail mounted package
- **IN STOCK!**

smarty³

smarty⁴

Ethernet

DC Drives

- Complete range of regenerative and non-regenerative DC drives, single and three phase input, with wide ranging current and voltage ratings.
- Available with fuses and contactors built in
- Up to 2000HP available for same day shipment
- **drive.web** peer-to-peer Ethernet connectivity for real time communication between drives
- **IN STOCK!**

Realtime Peer-to-peer Connections

AC Sensorless Vector Drives

- E3 Series drives are available in an outdoor rated NEMA 4X package through 30HP
- IP20 ratings through 50HP
- Single Phase in and Single Phase out
- 115, 230, and 460VAC models
- Reverse PID for solar applications
- *drive.web* peer-to-peer Ethernet connectivity for real time communication between drives
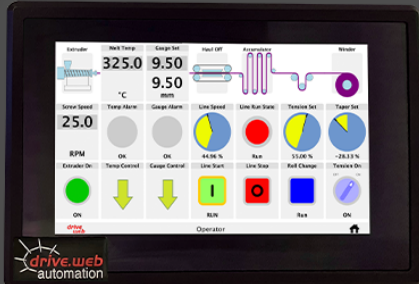- **Please consult Bardac for availability**

Enterprise Access

AC Vector Drives

- P2 Series AC drives ship standard with conformal coating
- Safe Torque Off
- IP20, NEMA 12, and NEMA 4X
- 230, 460, and 575VAC models
- Ratings through 400HP
- Solar version available with MPPT tracking
- Bright TFT display
- *drive.web* peer-to-peer Ethernet connectivity for real time communication between drives
- **Please consult Bardac for availability**

Totally Scalable

drive.web Touch Screen Operator Stations
- Plug and play, drive.web native
- NEMA 4 (IP65) splash-proof front
- IP20 rear
- Easy set up, competitively priced
- Crisp, high visibility graphics
- 1 Ethernet port 10/100baseTX
- Power supply 24VDC
- Working temp: -4 to 158F
- 5, 7, and 9.7" touch screens available
- <u>IN STOCK!</u>

and so much more!

Catalog items are typically *IN STOCK* and ready to ship same day (for orders placed before 4pm EST)!

Please call to confirm availability.

Please click the icon above to download *savvy* for desktop or below for savvyPanel on the iOS/Android app stores (respectively)

iOS | *Android*

Need help with a project, click here!

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