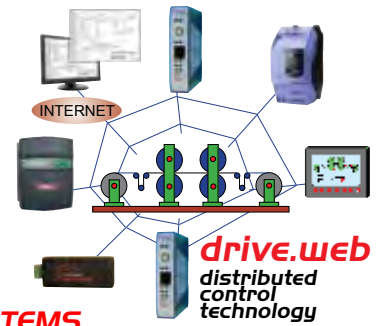


DRIVES CATALOG 2010



drive.web SYSTEMS



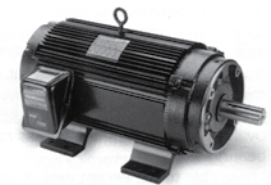
AC DRIVES



DC DRIVES



MOTORS



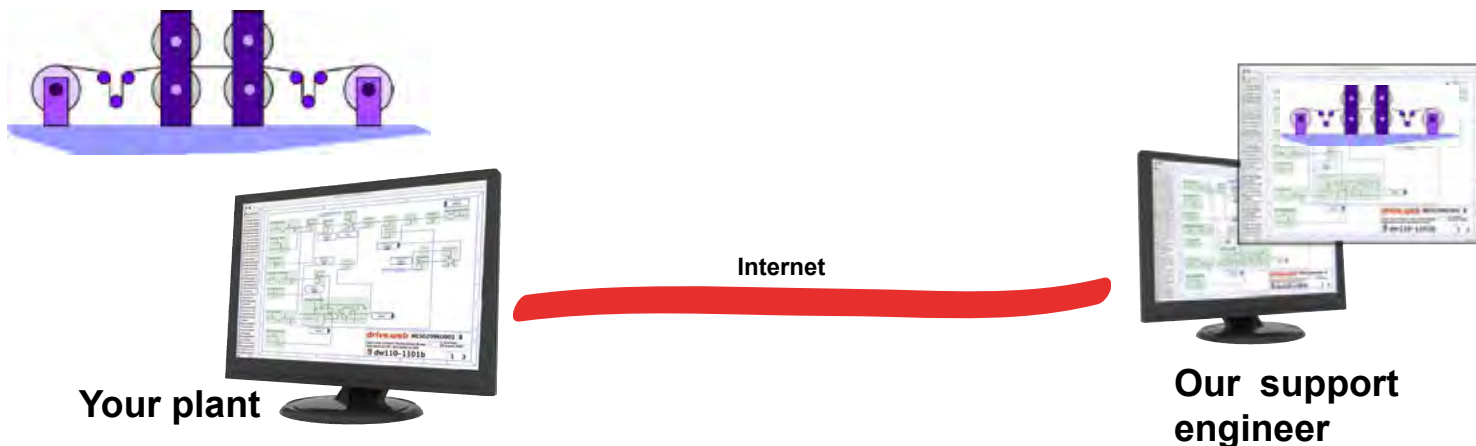
SERVICE



Online Product Support

Using innovative, interactive, Internet online technologies we can provide either product training or product support through your browser from the comfort of your desk!

No special software or router access is required. It takes no more than a minute or so to set up a connection that will provide interactive access to **savvy** running either on your computer or our computer



You need help ...

Step 1 with **savvy** running on your computer, online and connected to your drive system, you call us at +410-604-3400.

Step 2 we set up the Internet connection and within a minute or so our engineering team can be viewing your complete system online and live!

It's as easy as that!

Use this powerful resource at any phase of your project. From concept through detail design and start up we can help. Later, with process enhancements, routine maintenance or service this online support technology is unmatched.

Online Training

Uses the same innovative online technology to allow you to join training seminars through your browser and enjoy realtime access to drives in our plant!

Training courses are scheduled every week and there are course options for users of all levels of interest and ability.

Program

Level 1 - drive.web introductory seminar - 1 hour

This provides an overview of the drive.web Distributed Control Technology and shows how to connect to drives, create drive “phantoms”, navigate systems, create signal flow diagrams and system drawings, find information, identify object attributes, make connections, show trend charts, etc.

Level 2 - drive.web design technology course - 3 hours (Level 1 is a prerequisite)

Covers configuration of drives, basic system design concepts, Ethernet networking, password protection, system safety

Level 3 - drive.web system design and application courses (Level 2 is a prerequisite)

3a) Drive and device interfaces - 2 hours

Covers the use of “Templates” and “Helpers” for documented drives, generic ModbusRTU master interfaces to third party drives, operator stations, etc.

3b) Winder Control Systems - 3 hours

Covers standard solutions for open loop CTCW winders, closed loop dancer controlled winders and closed loop loadcell controlled winders.

3c) Encoder Control Systems - 3 hours

Covers applications such as “electronic line shaft”, spindle orientation, registration and position control.

3d) Advanced Ethernet, Internet Access and Security - 3 hours

Covers local and wide area network configuration, IP addressing, user access and device and system password protection.

More information and Registration

For course details, international training options and charges please call us at 1-888-667-7333 (toll free USA 888-ON SPEED) or international at +410-604-3400. Alternatively please contact training@driveweb.com

Information Services ... It is our policy to give customers all the help they need to apply and service their equipment. Detail information about the design and specification of all the drives and control modules is available from a comprehensive set of manuals, product guides and application notes. All of this information can be downloaded from our web site at www.bardac.com.

www.bardac.com - online help and purchasing ... Our web site is a very useful information resource and includes a download facility for all of our product manuals, free configuration and diagnostic software and online purchasing by credit card.

Telephone Support ... Never hesitate to call us if you need help or are in any doubt about the functioning of your drives. We will always be pleased to discuss your drive problem and we may be able to save you a lot of time and unnecessary expense! Free telephone support time is available as shown below, thereafter a charge of \$2 per minute may apply.

- Single Phase DC drives - 10 minutes free telephone support time
- PL & SL Series DC drives - 20 minutes free telephone support time
- Optidrive AC drives - 15 minutes free telephone support time
- E-Series AC drives - 20 minutes free telephone support time

Start-up, Training, Service and Customer Support ... The **Bardac** International Service Network is a group of organizations dedicated to providing the highest standard of support to our drives and systems users worldwide. The Network is constantly growing and includes facilities throughout the USA, Europe, Asia and Australia.

Safety ... Drives and process control systems must be designed, installed and used with great care to ensure everyone's SAFETY. Remember that the equipment you will be using incorporates ...

High voltage electrical devices
Powerful rotating machinery
Heavy components

... **involving ...**

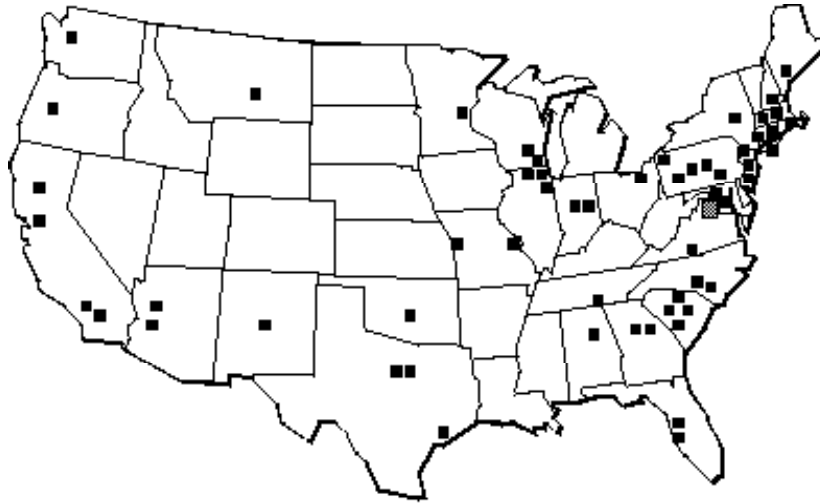
Hazardous materials
Expensive plant
Interactive processes

Always use qualified personnel to design, construct, operate and maintain your systems and keep SAFETY as your primary concern.

Quality ... Product quality is profoundly important to us and we believe that quality has a direct and immediate impact on product safety, reliability, life, cost and customer satisfaction. We will always welcome any feedback from customers that will help us go one step further.

Environment ... Unlike many foreign manufacturers of electronic equipment, we do not use ozone depleting substances in manufacturing processes even though this costs more. We are completely committed to the use of environmentally responsible methods and technologies. We also recycle as much scrap material, packaging and paper as possible.

**North American Service Network, call (410) 604-3400
or toll free 1-888-667-7333 (1-888-ON SPEED)**



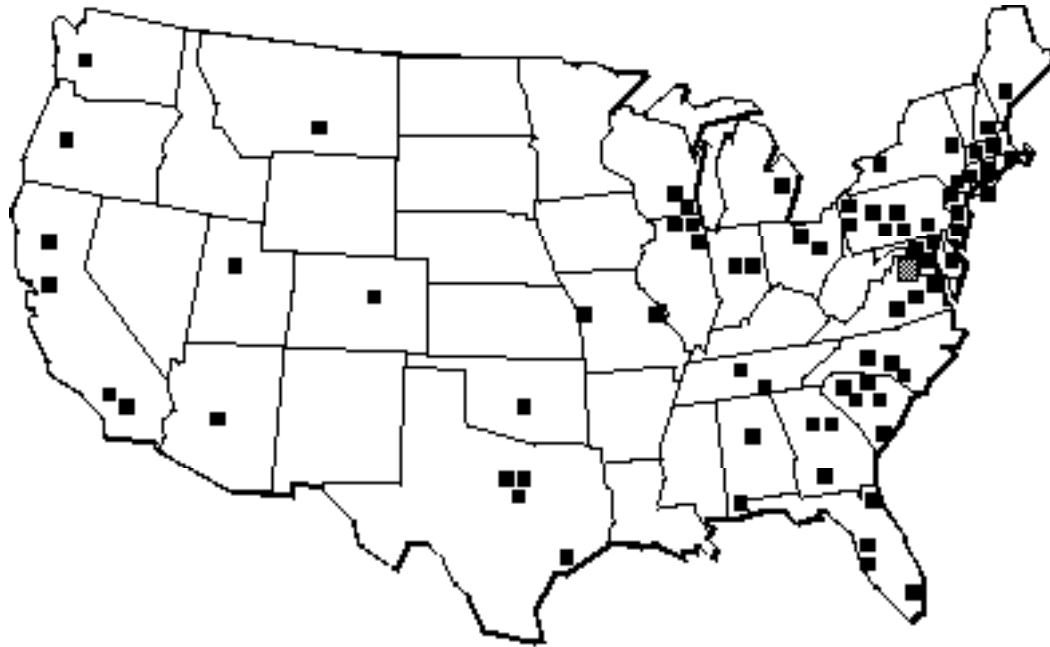
**Field Service, Service Center Repair, Training and Start-up
Rates for the Continental United States, Canada and Mexico**

Charge Basis	Rates (US\$)
a. Basic Rate - Field Service, Training & Start-up Assistance Up to 8 hours daily Monday to Friday, 7am to 6pm	\$150 per hour
b. Standard Overtime Weekdays 6pm to 7am and all day Saturday Total work time not to exceed 12 hours in any 24 hours	\$225 per hour
c. Special Overtime Sundays, Holidays and excess of 8 hours on Saturday	\$300 per hour
d. Overnight Includes meals, and hotel accommodation	\$225 per night
e. Auto Travel Covering cost of use of company or personal cars Distance calculated to and from the local office	\$0.55 per mile
f. Public Transport Rental cars, Air fares, etc.	At Cost
g. Holdover & Standby Time	Same as service
h. Travel Time Time taken from Bardac to job site and return	Same as service
i. Basic Rate - Service Center Repair charges Diagnosis & repair time	\$90 per hour + parts
j. Design or application engineering services	\$150 per hour

- Notes:
1. Minimum service billing is 4 hours for field services, 1 hour for service center services.
 2. Parts, materials, special visas, duties, and extraordinary expenses will be charged extra.
 3. Warranty credits will be identified on the Daily Field Service Report.

SERVICES

**US Sales & Distribution, call (410) 604-3400
or toll free 1-888-667-7333 (1-888-ON SPEED)**



International Sales & Service call, (410) 604-3400

