

# DCS800

## The Extruder Drive

When it's time to replace your DC extruder drive, AC system replacement is sometimes viewed as the de facto choice, but consider the advantages of DC drive replacement. Retrofitting with DCS800 can save you thousands of dollars upfront, and provide you with many more years of trouble-free service. The DCS800 installs quickly and has the features you need to make your extruder work at its maximum potential. Consider the advantages of DCS800.



### DCS800 Power Module

The heart of the system is the DCS800 power module. Designed and released just a few years ago, DCS800 provides you with the latest in DC controls to allow you to commission your drive quickly and adapt it easily to your extruder application.

- Easy-to-Use Start Up Wizard
- Built-In Field Supply on Drives up to 2000 Amps
- Includes: PC interface software "Drive Window Light"
- Standard Features
  - Tachometer & encoder interface, or transducerless
  - RS-232C serial port for DriveWindow Light connection
  - Back up parameters in the keypad and PC
  - New Macros for easy setup of AC or DC Contactors, 2-Wire or 3-Wire Control
  - Adaptive programming, 16 blocks to customize your drive

- Optional Features
  - Industrial fieldbus: Ethernet/IP, ControlNet, Profibus, ...
  - Isolated I/O extension modules
  - Mounting kit for externally mounted keypad
- Long-Term Product Support by DC Market Leader, ABB

### DCS800-EP Panel Drive

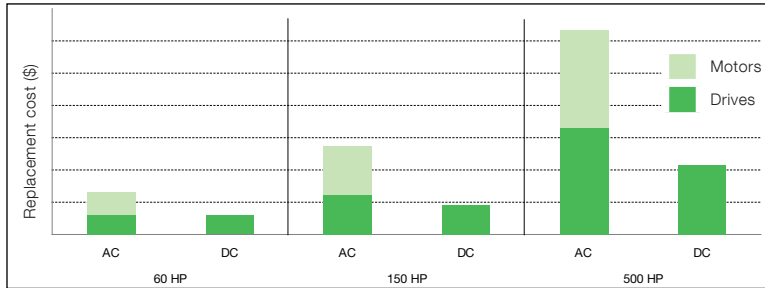
The DCS800 Panel Drive is a pre-engineered solution for quick and easy design and installation.

- All required peripheral components are included on a space-efficient back panel, ready to be mounted into an industrial enclosure
- Excellent replacement for Reliance Electric® FlexPak® 3000
  - Same bolt pattern
  - Same (more!) features
  - Fits within the FlexPak® 3000 clearance area



ABB is committed to long-term support of DC. Our motors and drives are designed and built in-house by the top DC experts in the industry. What company has invested millions in new DC technology? The answer is ABB.

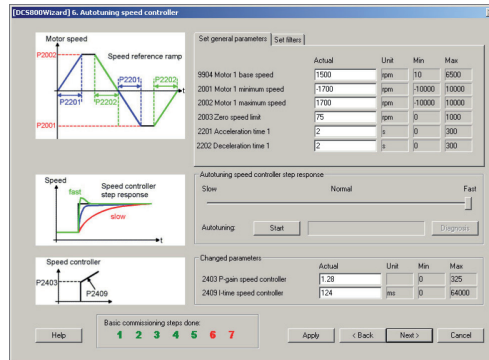
## AC vs DC Replacement



Typical AC drive module and motor vs. DCS800-EP panel drive with optional internal reactor



Sample Start-up Assistant screen.

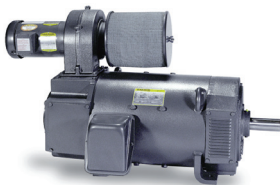


Sample DriveWindows Light screen.



### ABB DC Motors Sizes 180 - 500, 75 to 2200 kW

The DMI motor series is ABB's latest DC product range in the market. It combines improved output performance with less maintenance, higher reliability and adaptability compared to conventional DC motors. This means increased productivity and a smooth integration in almost any application. The DMI benefits from all the know-how and experience in its highly successful predecessors and represents the next step in the evolution of DC motors.



### Baldor SCR Drive Motors 180AT-500AT, 1 to 500HP

SCR Drive DC motors feature a field proven rugged rolled steel frame design and cast iron brackets. SCR Drive motors are ideal for new applications as well as drop in replacements for various competitive motors supplied with similar rolled frame designs. They are available from stock in a wide variety of ratings and enclosures or as a custom design to meet your specific application requirement. Baldor motors are manufactured to rigorous standards in an ISO certified facility.

## DC Drive Replacement vs. AC System Replacement

To some, DC replacement is not considered to be a modern option. We beg to differ. The DCS800 stands up against any AC drive on the market. The latest in DC technology provides you with easy-to-use controls and high-end performance that leads to results.

## Installation and Start Up

Starting up the DCS800 is made easy with these important features:

- Startup Assistant gives step-by-step guidance
- Optimized automatic tuning
- Automatic phase sequence detection
- Automatic encoder/transducerless adjustment
- Pre-defined macros for common applications
- Plain language user guide and help functions
- Simplified fault diagnostics
- High resolution control panel
- Free commissioning software for your PC - DriveWindows Light

## Baldor RPMIII & Super RPM Motors C180ATZ-C440ATZ, 1 to 500HP

### B500ATZ -B1600ATZ, 600 to 3000HP

RPMIII and Super RPM motors are laminated frame motors specifically designed for operation on rectified power. They are available in a variety of enclosures suited for your application requirements including DPG, DPG-FV, TEFC, TENV, TEDC and TEXP and are available to meet either NEMA or IEC standards. Built to the highest standards in ISO certified facilities, RPMIII and Super RPM Motors are ideally suited to meet today's and tomorrow's most demanding industrial applications.

No matter what your DC motor needs may be, we have the motor to satisfy your specific application requirements.

For more information please contact:

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