

# Dynamatic®

## Electromagnetic Variable Speed Drives And Digital Controls

### Featuring Built-in EtherNet/IP Communications



#### Data acquisition:

- 24/7/365 reporting
- Real-time set point comparison
- EC-2000 control command history
- RTD and vibration history
- Historical fault data

#### Windows-based WIFI & LAN keypad

- Multiple drive control
- Full Function (desktop, laptop and tablet)
- Load and store parameters
- Live data view



#### Anywhere online web monitoring

- Motor amp/volts
- Eddy Current amp/volts
- RTD and vibration monitoring
- Fault monitoring
- Text message fault alert option



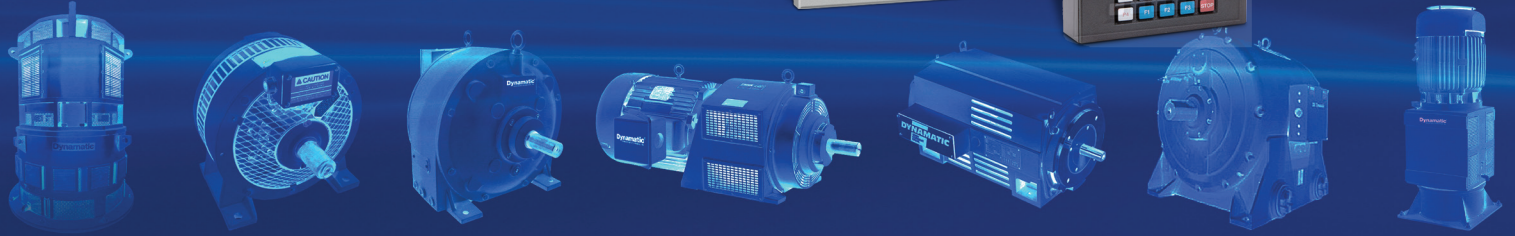
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# Dynamatic® EC 2000 Digital Controls

## Cost-effective speed control replacement for all Eddy Current drives and brakes up to 6,000 HP

- Parameters allow for fine-tuning of the operation for maximum performance.
- Allows different size drives to be controlled with a single control. Reduces parts and control inventory
- Simple, rugged and compact design with a long life cycle for overall reliability
- No Need for air conditioning or harmonic suppression
- Unaffected by power quality fluctuations that can destroy variable frequency drives
- Process signal interface capability
- 24-hour factory service, start-up, application support



### Standard functions of the Dynamatic® EC 2000 digital control:

- **Instrument signal follower** permits control from all common process inputs
- **Up to four presets speeds** can be selected from the soft-touch keypad terminal strip or IP control permitting operation at predetermined optimum set points
- **Local and remote functions**
- **Speed mode or torque mode flexibility** speed mode is for closed loop systems utilizing tachometer feedback. Torque mode is for applications where torque is regulated variable rather than speed.
- **Fully capable** of using input terminals for analog equipment

### • Optional Features:

- **Dancer position without Mutuatrol®** adjusts drive speed to maintain position of the dancer. dancer applies tension to the material. position is set by operator's reference potentiometer.
- **Mutuatrol®** is for drives with an adjustable torque brake, allowing the drive and the brake to be mutually regulated. Primary purpose is accurate speed control using driving or braking as required. Adjustable braking is included.
- **Load sharing** for multiple drive applications using a single control.

### Dynamatic® EC 2000 replaces all brands of Eddy Current controls including:

- EM (Electric Machinery)
- US/WER (Emerson)
- Ideal Electric
- Galco
- Eaton Dynamatic
- Louis Allis
- Hitachi

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