



AMBI-TECH

A **TIE** Company

Ambi-Tech™ Electronic Motor Brakes
Quick Stopping, Zero Maintenance Electronic Brakes
Increase Productivity and Avoid Safety Hazards.

For more than 50 years, Ambi-Tech™ electronic motor brakes have been the top choice for thousands of applications as a low cost alternative to mechanical brakes. With the installation of Ambi-Tech electronic brakes, your company will enjoy increased productivity, less downtime and improved safety for your workers. Call today and let us help you find the right model for your application.

As a replacement for mechanical brakes, Ambi-Tech™ electronic motor brakes are quick and easy, permanent, and offer many advantages:

- No costly scheduled maintenance or downtime
- Adjustable braking torque
- Quick stop features that increase safety and reduce costly equipment damage
- Increase productivity by decreasing downtime
- Basic electrical hook-up for easy installation
- No mechanical connection to the motor
- One common power source to run both the motor and brake
- Ideal for OEM equipment or for retrofitting
- Wide range of options available to accommodate difficult and demanding applications

Industry Applications

Electronic Motor Brakes Provide Optimum Stopping Power

No matter what your application is, from woodworking to metal cutting machinery, electronic motor brakes protect your equipment and minimize hazards in dangerous situations. Increase productivity and save time and money by adding an easy-to-install Ambi-Tech™ electronic motor brake to your equipment.

DC injection braking can be used on any machine with a wye-delta induction motor and exposed cutting tool. Listed below are a few of the common applications:

Woodworking

- Moulders
- Planers
- Belt Sanders
- Jointers
- Band Saws
- Radial Arm Saws
- Table and Panelboard Saws
- Routers/Jump Saws
- Chipper Machines/Sawmills

Metal Cutting Machine Tools

- Milling Machines
- Conveyors
- Material Handling
- Tube Cutting Machines
- Lathes
- Punch Presses
- Timesavers
- Roll Forming Machines
- Tapping Machines

Short-Stop™ Models (A, G, D series)

Ambi-Tech™ Short-Stop™ electronic motor brakes provide high-performance braking for most applications, eliminating costly maintenance and production downtime associated with mechanical brakes.

Advantages of Short-Stop™ electronic motor brakes include:

- Increase productivity
- Create a safer environment due to quick stopping
- Eliminate “coasting”
- Reduce maintenance and repair expenses
- Minimize costly downtime


Chipper-Stopper™

The Chipper-Stopper™ permits rapid stopping of AC motors by DC injection braking, creating a stationary magnetic field within the motor. The Chipper-Stopper™ motor brake is a low-cost alternative for high inertia applications such as wood chippers, centrifuges, and hogs.


Fan-Stop™

The Ambi-Tech™ Fan-Stop™ enables rapid starting of AC motors by first eliminating an effect called “wind-milling” or coasting. The stopping action is done by DC injection braking, which creates a stationary magnetic field within the motor. The Fan-Stop™ motor brake is specially intended for applications such as fans where the motor may be wind-milling in reverse prior to the motor receiving a command to run. By braking the motor to a stop, mechanical stress on the powertrain or motor is eliminated.

Star-Brake™

The Star-Brake™ provides for rapid stopping of AC motors by DC injection, creating a stationary magnetic field within the motor. The Star-Brake™ includes an across-the-line starter and motor overload to create a compact single cabinet motor starter/brake combination. 

Brake-Pak™

The Ambi-Tech™ Brake-Pak™ permits rapid stopping of single phase AC motors by DC injection braking, which creates a stationary magnetic field within the motor. The Brake-Pak™ electric motor brake is available in either an enclosed or modular form for added versatility. 

Braketron™

Based on the Short-Stop™ electronic motor brake model, the Ambi-Tech™ Braketron™ motor brake features a unique front panel with separate time and torque controls for applications that require constant change. Braketron™ is a dynamic, frictionless electronic motor brake that permits stopping an AC motor by DC injection braking.

Repairs

Our experienced in-house technicians can restore or repair your brake to like-new condition. We are a factory authorized repair center and offer a 1 year in-service warranty on all brake repairs.