

ServoPakAC8



High Performance
AC Brushless Servo
Drive System
Packages...
For Critical
Shape-Cutting Drive
Applications.

- Digital brushless sinusoidal design.
- Complete drive solutions, including amplifier, motor, gearbox and cables.
- Available in 2-axis or 3-axis integrated drive packages... “Performance-Matched” for shape-cutting applications.
- 8 Amps of continuous current. Capable of up to 1kW continuous and 2kW peak power per axis.
- Customer configurable to any output power requirement.
- BURNY MotionView Software provides fast & easy set-up, easy servo motor tuning, real-time viewing, and enables users to download the latest software updates off-line.
- Reliable performance. High quality cut capabilities.

Performance Benefits

Brushless ServoPak® AC8 Drive Systems blend high performance operation, high quality cut capabilities and reliability. They are available from the Burny Division of Cleveland Motion Controls, internationally recognized for providing shape-cutting controls and drive systems that improve productivity and reduce costs.

ServoPak AC8 Drive Systems are ideal for a wide variety of shape-cutting applications where the application is considered critical. They are available in 2-axis and 3-axis integrated drive packages that are performance-matched, customer configurable to any output power requirement, and can include Drive Amplifiers to ServoMotors and Encoders to Gearboxes.

BURNY® MotionView Software provides fast and easy set-up, easy servomotor tuning, and real-time viewing, enabling users to download the latest software updates off-line.

Design Features

ServoPak AC8 Drive Systems are high performance brushless sinusoidal servo designs with digital signal processing (DSP) and field-oriented control. They are available with 8 Amps of continuous current and capable of 1kW continuous with up to 2kW of peak power. ServoPak AC8 Drive Systems accept encoder feedback up to 2.5 MHz.

ServoPak AC8 Drive Systems have numerous diagnostic LEDs for ready, over current, over voltage, power, with one programmable. They are manufactured with surface-mount technology to ensure high quality and reliability and provide phase-to-phase and phase-to-ground short-circuit protection.

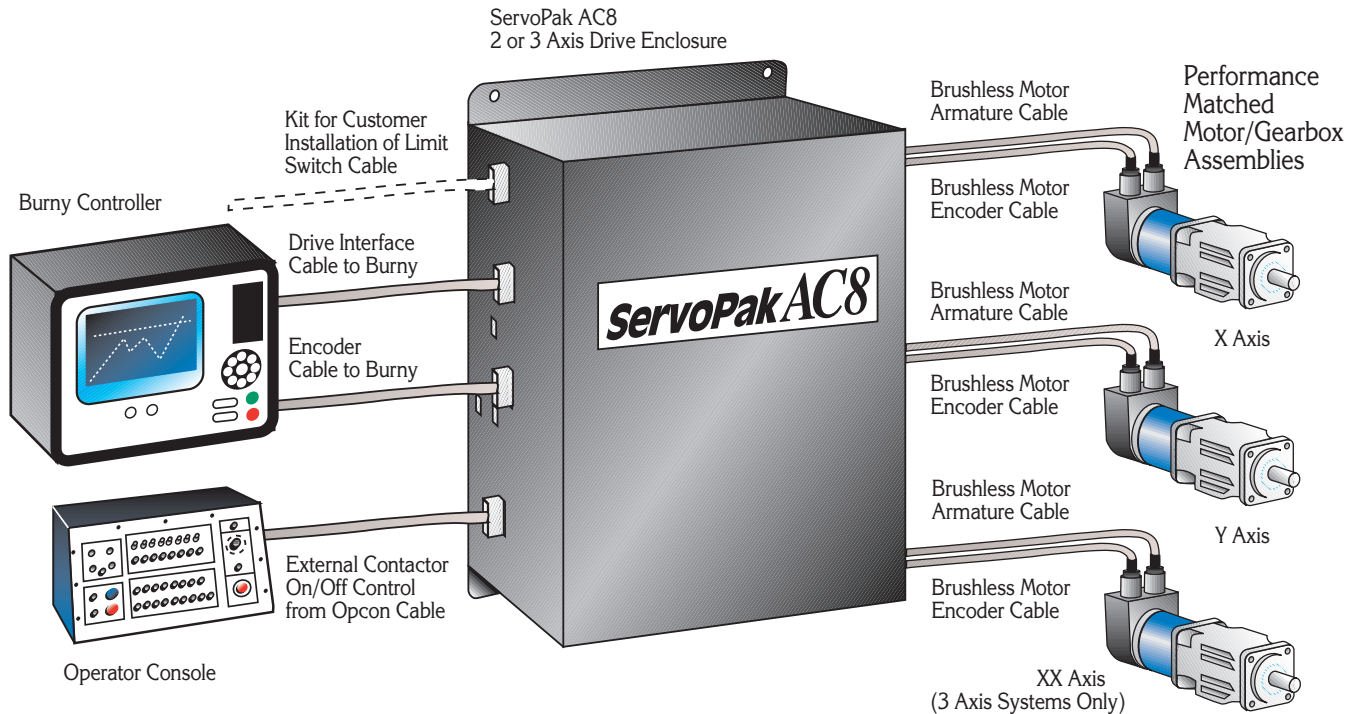
ServoPak AC8 Drive Systems are designed with the amplifier, power supply and heat-sink in one. They are encased in heavy-duty enclosures to withstand the harshest of cutting environments. Specially designed flexible cabling and cable sheaths provide additional application versatility and reliability.

SERVOPAK

DRIVE SYSTEMS

ServoPak AC8

High Performance AC Brushless
Servo Drive System Packages...
For Critical Shape-Cutting
Drive Applications.



The ServoPak AC8 Servo Drive system delivers the increased power and precision required by competitive production machinery. Integrating user-configurable DSP-based digital drive modules and maintenance-free servo motors, the ServoPak AC8 forms an optimized drive system solution for coordinated motion control. Additional features:

- Eliminates the need for separate position encoder and associated high-resolution motor-internal position encoder.
- Easily tuned by way of a PC with graphical support or by way of a *Windows NT*-based BURNY 10 Shape-Cutting Control.
- Rapid diagnosis of all drive system operating states, including fault detection and troubleshooting advice.
- Downloadable parameters allow rapid initial start-up and easy subsequent operation of standard machines.
- PCB, cable design and layout combine to eliminate noise and cross-talk within drive enclosure.
- Shielded drive system and cables, designed to eliminate plasma noise susceptibility.
- Specially designed cabling provides continuous flexing operation.

Compare This Performance Example:

With the ServoPak AC8, a 7000 pound (3178 kg) machine can accelerate to 1000 in/min (25.4 M/min) in 0.50 seconds or less. (Dual drive on gantry.)

Have a Burny Application Engineering Specialist customize an optimized drive system solution especially for you:

Your Current Drive Supplier: _____

Cost: _____ Axis: _____

Maximum Velocity: _____

Acceleration (in/sec/sec): _____

Mass (weight/axis): _____

Pinion Gear Diameter: _____

Rack/ Belt Characteristics: _____

Ball Screw Pitch: _____ Diameter: _____

Length: _____ Weight: _____ Inertia: _____

BURNY PRODUCTS

World Headquarters
7550 Hub Parkway
Cleveland, OH 44125-5794
Phone: (216) 524-8800 or
(800) 321-8072
Fax: (216) 642-2199

**etek Industrie-
Elektronik GmbH**
Werkstrasse 5
D-64732 Bad König, Germany
Phone: 49 (0) 6063-9314-0
Fax: 49 (0) 6063-9314-44

