



# **Spang** Power Electronics

[www.spangpower.com](http://www.spangpower.com)

## SCR POWER CONTROLLERS

The 850 Series Digital Power Controller offers state-of-the-art power control technology.



853 3-Phase SCR Power Controller

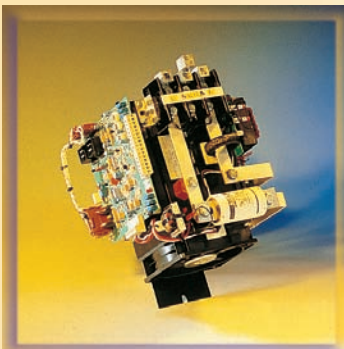
### 850 DIGITAL Power Controllers

#### Digital Control Features:

- Selectable Firing Modes
  - Phase Angle
  - Zero-Crossover
  - Zero-Crossover/  
Transformer Coupled
- Computerized Setup and Calibration
- On-board Diagnostics
- Real-time Process and Fault Monitoring
- DeviceNet™ & PROFIBUS Network ability
- Single or Three Phase
- Outputs up to 1,300 Amperes

The digital technology of the 850 Series controller provides superior process control flexibility in a single package. The communications option provides remote monitoring and control of key operating parameters.

Spang offers an extensive line of analog power controllers, well established as an industrial heating control standard.



750 Series SCR Power Controller

#### Analog Control Features:

- Multiple Firing Modes
  - Phase Angle Fired
  - Zero-Crossover
- Solid State Circuitry
- State-of-the-Art Cooling & Semiconductor technology
- Single or Three Phase
- Current Ratings 15 to 3,000 Amperes



2000 KVA Transformer — Open Frame

## DRY-TYPE TRANSFORMERS

Spang designs & delivers dry type transformers for unique demanding applications. Spang's broad application expertise delivers solutions for:

- Load Matching and Rectifier Duty
- General Purpose or Custom Requirements
- Furnace Applications & Multi-tap
- Utility to Factory Voltage Conversion

## CUSTOM AC AND DC DRIVE PRODUCTS

Spang delivers custom design drive products meeting tough functional and operating environment demands. These microprocessor based solutions cover unique requirements, including:

- AC Drives
  - Variable Frequency V/Hz
  - Brushless DC
  - Vector
- DC Drives
  - Phase Angle
  - DC Chopper
- Special Input Voltages
- Shock and Vibration
- Extended Temperature
- Custom Enclosures
- Custom Firmware/Software

## AC POWER SYSTEMS & DC RECTIFIERS

Spang's design and application expertise combine to deliver AC Power Systems and DC Rectifier conversion products, unsurpassed for reliability, energy efficiency and service life.



**32 Zone AC Power System for an Industrial Heating Application**

System designs meet rugged application requirements with features and options uniquely suited for:

### AC Power Systems

- Industrial Heating
- Glass Melting and Forming
- Fiberglass
- Hazard Waste Vitrification
- Semiconductor

### DC Rectifiers

- Automotive and Industrial Electrocoating
- Electroplating and Anodizing
- Particle Accelerators
- Separating Magnets
- Industrial Cranes
- Electrolytic Cells
- Mill Duty Cranes
- Electro-winning
- Plasma Arc



**DC Power Center for Automotive Electrocoating**



**DC Drive System for Retrofit Upgrade**

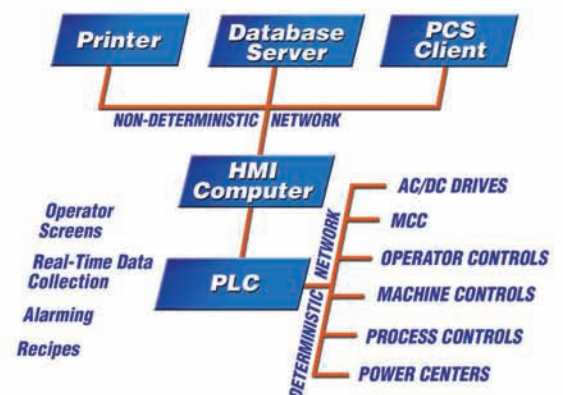
## AC & DC DRIVE SYSTEMS INTEGRATION

Spang has complete system integration and design capability for all major drive and process control product brands. This application expertise, and hardware and software integration experience spans a broad range of process industries, worldwide, including:

- Metals (Ferrous and Non Ferrous)
- Fibers and Films
- Polymers and Plastics
- Paper and Converting

## AUTOMATIC CONTROL SYSTEMS

Spang implements full process line automation control systems. Based on solid application expertise and the latest in Level 1, 2 and 3 data processing tools, these systems provide manufacturing floor control and production analysis. Spang delivers small process line modernizations to full, multi-million dollar plant expansions. We also provide design, procurement, manufacturing, testing, documentation and startup assistance.







Go to [www.spangpower.com](http://www.spangpower.com) for more details!

## ***Products & Systems Worldwide***

***SCR Power Controllers***

***Dry-Type Transformers***

***Custom AC and DC Drive Products***

***AC Power Systems & DC Rectifiers***

***AC & DC Drive Systems Integration***

***Automation Control Systems***

***Global Service & Support***

***Spang Power Electronics***

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