

## Single Axis Control System (SACS)

### ORDERING INFORMATION

**SACS** - Single Axis Control System

System Speed

- SS** - Single Speed System (Across the line starters)
- VF** - Variable Frequency Drive
- VB** - Variable Frequency Drive with Bypass
- FB** - Variable Frequency Drive with Bypass and Isolation contactor

Horsepower

**1-500 Hp** - Horse Power Rating of the largest motor

Enclosure

- N12** - NEMA 12 Enclosure & Construction
- 12S** - Stainless Enclosure & NEMA 12 Construction
- N3R** - NEMA 3R Enclosure & Construction
- N4C** - NEMA 4 Enclosure & Construction
- N4X** - Stainless Enclosure & NEMA 4X Construction
- N4F** - Fiberglass Enclosure & NEMA 4X Construction
- XP1** - Exp. Proof, Haz. Location (Cl 1, Div1, Grp C,D)
- XP2** - Exp. Proof, Haz. Location (Cl 1, Div2, Grp C,D)
- PRG** - Purge / Pressurized Construction

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Input Power

- 110-120VAC / 1 Phase / 60 Hz - 1
- 220-240VAC / 1 Phase / 60 Hz - 2
- 220-240VAC / 3 Phase / 60 Hz - 3
- 380-400VAC / 3 Phase / 50 Hz - 4
- 440-480VAC / 3 Phase / 60 Hz - 5
- 575-600VAC / 3 Phase / 60 Hz - 6
- Other (Please Specify) - 0

YOUR LOCAL REPRESENTATIVE

Control Power

- 110-120VAC - 1
- 24VAC - 2
- 24VDC - 3
- PLC Control Remote / Local - 4
- PLC Control Remote Only - 5
- Other (Please Specify) - 0

**CLOSE, BUT NOT EXACTLY**

what you are looking for. Don't worry. Each system is built to order. We like to call it "Customization at no extra cost". You are not paying a surcharge for customizing of a standard product. All you pay for is what you add.

Our production system has been specially designed to handle custom systems. Tell your sales representative what you want. We'll have a quote out to you right away.

**APPROVAL DRAWINGS**

Approval drawings are available for each system. We encourage it. You get to review the system before we build it. Request them with the order.

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# Single Axis Control System

SACS

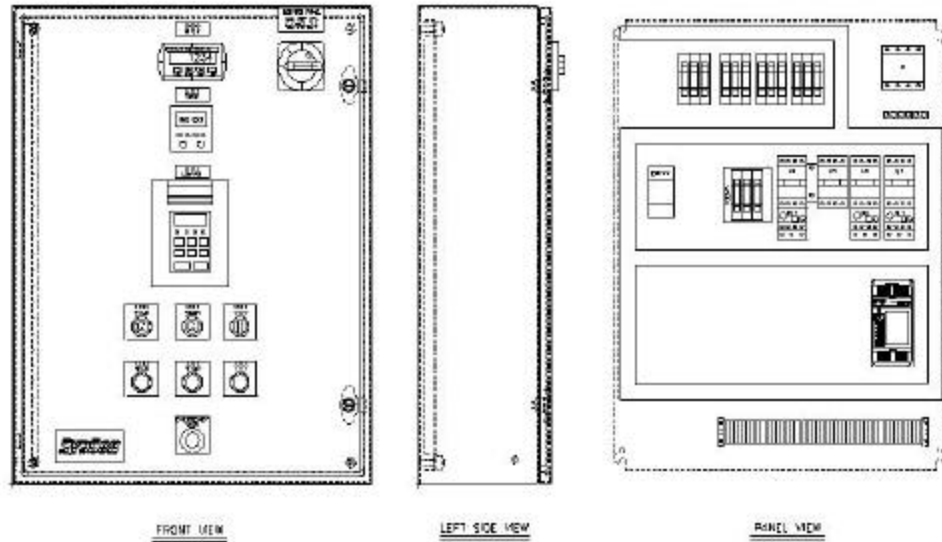
**Industries / Applications**

- Specialty Chemical
- Food & Beverage
- Cosmetic
- Pharmaceutical
- Power Generation
- Pulp & Paper
- OEM Machine Builders
- HVAC - Commercial, Industrial
- Waste Water Treatment
- Potable Water
- Hazardous Waste
- Liquid Natural Gas Utilities
- Aerospace
- Adhesives & Coatings
- Plastics

**SysCon Services**

- Project / System Conception
- Design and Engineering
- PLC & HMI Programming
- Recipe Based Controls
- Data Acquisition Systems
- Panel Construction
- Automated Machine & Process Construction
- On Site Installation, Start-up & Technical Assistance
- Pump / Chemical Feed Skids
- Dilution Skids
- Potable Water Pump Skids
- Powder / Liquid Mixing Systems
- Heat Trace Systems
- Fiber Optic / Ethernet Communications Networks
- And more.....

**Superior SysCon Systems**



Example System with options

**Overview**

Single Axis / Agitator Control System is designed to control a single axis or agitator machine with auxiliary equipment. Designed for single speed or variable speed. Multiple options are available. The systems are designed, engineered, assembled and fully tested in our factory.

**Standard Features**

- Rotary Disconnect Switch
- Branch Circuit Protection
- Control Power Transformer
- NEMA 12 Enclosure (4, 4X, 3R, 7 & 9 available)
- Illuminated 'Start' Pushbutton
- Extended 'Stop' Pushbutton
- Motor Starter (SS- Single Speed Version)
- Variable Frequency Drive (VF- Variable Version)
- Speed Potentiometer (VF- Variable Version)
- Interlocking Safety Circuit & Motor Shutoff
- Electrical Schematics
- Termination Diagram for ease of installation
- Conforms to NFPA 79—Electrical Standards for Industrial Machines.
- UL508 Listed Shop / Panel Listing Available

**Optional Features**

- Digital Speed Indicator
- Digital Load / Power Indicator
- Digital Relative Viscosity Indicator
- Digital Temperature Indicator
- Temperature Control
- Digital Pressure/Vacuum Indicator
- Pressure / Vacuum Control
- Digital Cycle Timer
- Hydraulic Lift Controls
- Hydraulic / Pneumatic Controls
- VFD Keypad Door Mounted
- 4-20mA Signal Repeaters
- cUL / UL508 Listing
- Vessel Light Controls
- Phase / Low Voltage Monitor
- Power Conditioning
- Contact factory for more options...

