

## Triple Axis Control System (TACS)

### ORDERING INFORMATION

#### TACS - Triple 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 (Advise factory of other Hp)

##### 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

T A C S - [ ] [ ] - [ ] [ ] [ ] H P - [ ] [ ] [ ] - [ ] - [ ]

##### 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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# Triple Axis Control System

TACS

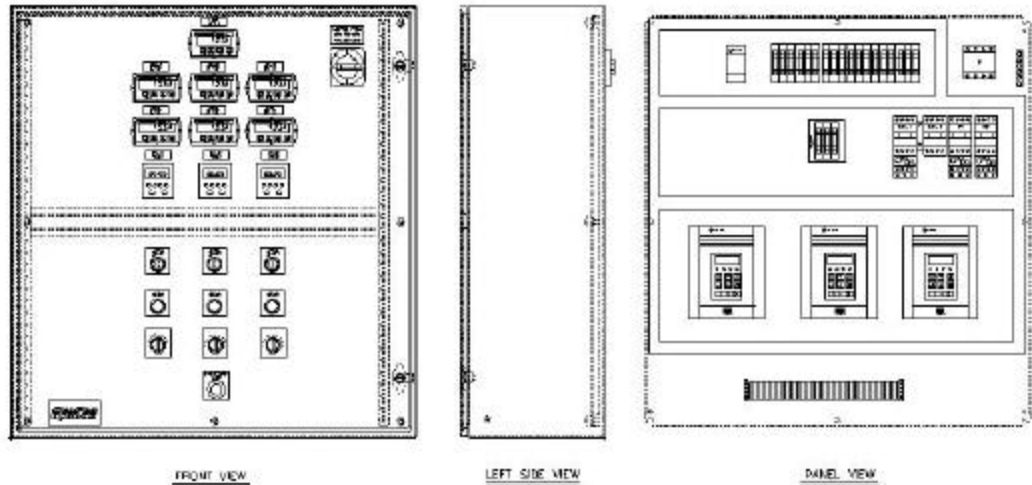
**Industries / Applications**

- 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**

**Triple Axis / Agitator Control System** is designed to control all three axis or agitators of a system with auxiliary equipment. Designed for single speed or variable speed operation. 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)
- (3) Illuminated 'Start' Pushbuttons
- (3) Extended 'Stop' Pushbuttons
- Emergency Stop
- (3) Motor Starter (SS- Single Speed Version)
- (3) Variable Frequency Drive (VF-Variable Ver.)
- (3) Speed Potentiometers (VF-Variable Ver.)
- 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 / Panels 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...

