ROSS SYSTEMS & CONTROLS

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

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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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...