

## Double Axis Control System (DACs)

### ORDERING INFORMATION

**DACS** - Double 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

D 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

Control Power

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

YOUR LOCAL REPRESENTATIVE

**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.

Ross Systems & Controls • 34 Westgate Blvd • Savannah, Georgia 31405

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# Ross Systems & Controls Double Axis Control System

DACS

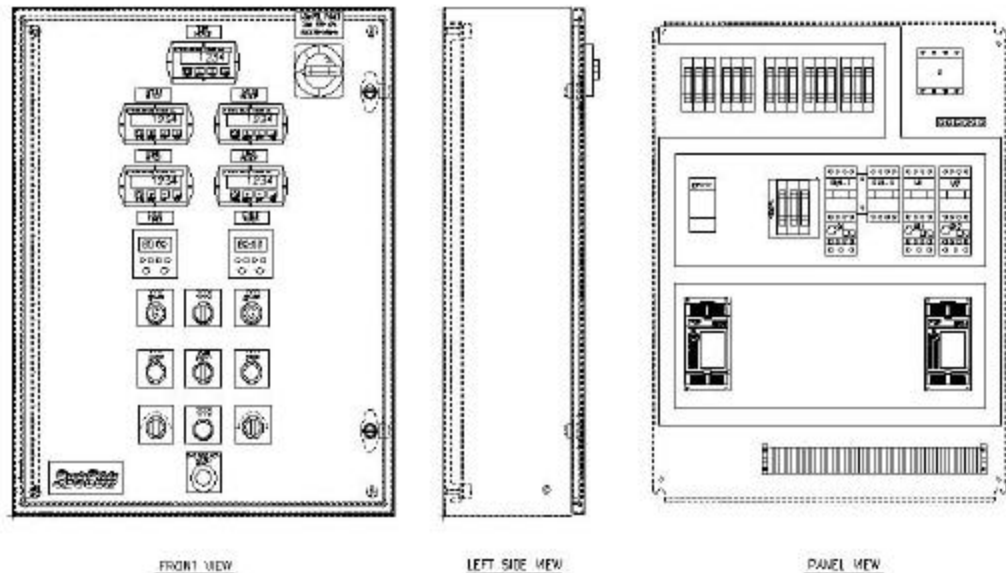
## Industries / Applications

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

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Powder / Liquid Mixing Systems  
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Systems**



Example System with options

## Overview

**Double Axis / Agitator Control System** is designed to control both 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)
- (2) Illuminated 'Start' Pushbuttons
- (2) Extended 'Stop' Pushbuttons
- Emergency Stop
- (2) Motor Starter (SS- Single Speed Version)
- (2) Variable Frequency Drive (VF-Variable Ver.)
- (2) 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 / 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...



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