

## The Animatics Overview

- 4 Defining the Future of Motion Control
- 5 Animatics Institute
- 6 Class 5 Overview
- 8 SmartMotor™ Modes of Operation
- 10 CAM Mode with Advanced Capabilities.
- 12 Combitronic™ Communications
- 13 Combitronic™ with RS 232 Interface
- 14 Introduction to Applications
- 16 Example Applications
- 18 Total Benefits of Integrated Motion Control
- 20 SmartMotor™ Advantage
- 21 Understanding Part Numbers

## Motor Specifications

- 22 Fieldbus Protocol Options
- 24 Torque Curves
- 26 SM17205D
- 28 SM23165D
- 30 SM23165DT
- 32 SM23375D
- 34 SM23375DT
- 36 SM23205D
- 38 SM23305D
- 40 SM23405D
- 42 SM34165D
- 44 SM34165DT
- 46 SM34205D
- 48 SM34305D
- 50 SM34405D
- 52 SM34505D
- 54 CAD Drawings
- 56 CAD Drawings

## Linear Systems

- 76 Table Top Robot (TTR)
- 78 Specifications for 3-Axis Systems
- 79 Specifications for 2-Axis Systems
- 80 Actuator Overview
- 81 Understanding Part Numbers
- 82 Actuator Comparison Chart
- 84 Actuators
- 106 Multi-Axis Configurations
- 108 Understanding Actuator Loading
- 109 Thrust Curves

## Connectivity

- 128 Introduction to Class Connectivity
- 129 Class 5 Connector Pinouts
- 130 Class 5 LEDs and Connectors
- 131 Class 5 Connection Maps
- 135 Power & Communication Cables
- 138 I/O Cables
- 140 CAN Bus Communications Cables
- 142 CAN Bus T Connector and Shunts
- 143 Expanded I/O Cables
- 144 Custom Order Cables

- 146 Isolated RS485 Cable
- 147 Demo and Test Cable
- 148 Communications Adapters
- 149 New User Development Kits & Connectors

## Peripherals

- 150 Motor I/O Connector Breakout Board
- 151 Serial Fan-Out Board
- 152 I/O Adapters
- 154 Demonstration, Testing & Development

## IP 65 Models

- 156 IP 65 Models
- 160 Drive & Control Power Cable
- 161 Power & Communication Cables
- 162 Comm. & Encoder Bus Flying Lead Cable
- 163 Comm. & Encoder Bus Y Cable
- 164 Travel Limit Input Cables
- 165 Travel Limit Breakout Cables
- 166 CAN Bus Communications Cables
- 168 I/O Cables

## Power Supplies & Shunts

- 170 How to Choose Power Supplies
- 171 Open Frame Linear Unregulated DC Power Supplies
- 172 Enclosed Switch Mode DC Power Supply
- 176 Enclosed DC Power Supplies
- 177 Introduction to Shunts
- 178 Open Frame Shunts
- 179 Enclosed Shunts

## Gearheads

- 180 Moment of Inertia Overview
- 181 Introduction to Gearheads
- 182 High Performance Planetary Gearheads
- 188 OEM Series Planetary Gearheads
- 194 Right Angle Planetary Gearheads

## Software

- 197 Software Overview
- 198 Interface Software
- 200 CNC Software
- 202 Code Development Software

## Appendix

- 204 Application Sizing Equations
- 206 Motion Glossary
- 209 Command Set Overview
- 213 FAQ
- 216 Controls, Warning & Cautions
- 218 Conformity Statement
- 219 Animatics Warranty
- 220 SmartMotor™ Success Checklist