

motors (including linear motors). Other drive card options include micro-step drivers and custom device interfaces.

Safety System

An integrated motor power control circuit eases integration into a work cell or machine safety system.

Connectors & Cables

Each drive card is terminated with a robust circular connector. Connection diagrams and cable assemblies are available for many applications.



MDC200 Back View with Galil Interface

For more information and a complete datasheet, go to www.primatics.com

Feature Summary:

- 1 or 2 axis motor drives
- Servo or micro-step drives
- Interfaces directly to motion controllers from Galil, National Instruments & Delta Tau
- Desktop & rack mount versions
- 48 & 60VDC motor supply option
- Integrated motor power control system
- Many different cable options
- 110 or 220 VAC, 50/60 Hz input

Note: dashed lines indicate dimensions for rack mount handles.

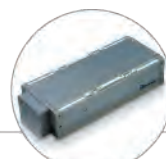
Overview

The Primatics MDC200 is an integrated multi-axis motor drive system in a 3U tall chassis. A motion controller interface card is included, eliminating all user wiring between the controller and drives. Removable drive modules offer mix and match capability that lets you design the motion control system that is best for your particular application.

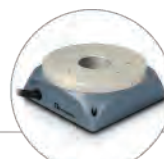
Drives

The MDC200 supports 1 or 2 drives. For the sake of easy configuration and maintenance, each drive is connected via a simple plug-in module. Drive cards are available for brush and brushless servo

MDC Drive Chassis	MDC200
Number of Motion Axis	1 or 2
Motor compatibility	DC brushed servo, DC brushless servo, and stepper
Controller compatibility	Galil Optima, Galil Accelera, Delta Tau PMAC 2, National Instruments
Motor Voltage (VDC)	48 or 60VDC
Continuous Output Power (watts)	300
Peak Output Power (watts)	600
Dimensions (H x W x D) (mm)	132.5 x 235.4 x 298.5
Operating Temperature (deg C)	0 to 45
Storage Temperature (deg C)	0 to 75
Weight (kg)	4.75



Linear Positioning



Rotary Positioning



Motion Controls



OEM Solutions

MODEL NUMBER CONFIGURATION

OPTIONS: MDC200

SAMPLE MODEL NUMBER:

MDC0200 D 2 -48V W1 C1 -D1 -D4 -XXXX

- Model Series**
1-2 Axis MDC0200
 - Chassis Configuration**
Desktop Controller D
 - Number of Axes**
1 Axis 1
2 Axis 2
 - Amplifier Bus Voltage**
48V 48V
60V 60V
 - Chassis Power Output**
300 Watts W1
 - Communication Interface¹**
Galil Optima C1
Galil Accelera C5
Delta Tau PMAC 2 C2
NI-7344 C4
 - Driver Card (specify one for each axis)²**
Brushless Servo - Trapezoidal D1
Brushed Servo D3
Microstepping Step Drive D4
Brushless Servo - Sinusoidal, Digital Drives D7
User Axis D9
 - Customization Code (optional)**
Leave blank for 110VAC operation
220VAC operation with a NEMA 6-15 plug 220US
220VAC operation with a European (Schuko) plug 220EU
220VAC operation with a British Standard plug 220BS
- Other codes assigned by factory.

¹ Call factory for custom controller interfaces.

² The Drive Options are based on the following:

- D1 - Trap drive, 6A continuous, 12A peak, 20-85V
- D3 - Trap drive configured for brush operations, 6A continuous, 12A peak, 20-85V
- D4 - Step drive, 5A RMS/7A peak, 24-75V,
- D7 - Digital sinusoidal drive, 3A continuous, 9A peak, 20-85V
- D9 - User axis

