

DATASHEET · MICROINJECTION & INFUSION

# Motorized Micromanipulator.

SKU RWD-MM500 Spec v1 Rev. 2026-07-11

DATASHEET · P

**RWD-MI**

Rev 2026



PRODUCT FAMILY  
 ANIMAL MODEL  
 APPLICATION  
 COUNTRY OF ORIGIN  
 MFG. STANDARD  
 LOT TRACEABLE **No**  
 VERIFIED **Spec v1 · 2026-07-11**

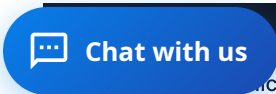
PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT

|                       |   |                         |   |
|-----------------------|---|-------------------------|---|
| PRODUCT TYPE          | variable  | MANIPULATOR_DIMENSIONS  | 140×148×148 mm  |
| CONTROLLER_DIMENSIONS | 204×163×140 mm                                  | ENCODER_DIMENSIONS      | 153×123×87 mm   |
| SCREEN_SIZE           | 4.3 inch  | MAXIMUM_TRAVEL_DISTANCE | 250 mm (X, Y, Z and diagonal)   |
| MAXIMUM_MOVING_SPEED  | 2.9 mm/s  | MOTOR_TYPE              | High-resolution stepper motor   |
| DRIVE_AXES            | Four-axis                                       | LONG_TERM_STABILITY     | <10 nm/h at 24°C  |
| POSITION_DISPLAY      | Relative or absolute scales                     | CONTROL_CAPABILITY      | Controls two manipulators   |
| MOVEMENT_MODES        | Continuous increment or step increment          | DEVICE TYPE             | One Arm, Two Arms   |
| AUTOMATION LEVEL      | semi-automated                                  | ACCURACY                | 0.132 μm coarse range, 33 nm fine range, Single axis ≤1μm, three axes ≤2μm                        |
| DISPLAY TYPE          | TFT touch screen                                | DIMENSIONS              | 204 mm x 163 mm x 148 mm  |
| BRAND                 | RWD   | RESEARCH DOMAIN         | Behavioral Pharmacology, Cell Developmental Biology, Learning Memory, Neuroscience, Pain Research |
| SPECIES               | Gerbil, Hamster, Rabbit, Mouse, Rat, Guinea pig | DIMENSIONS L×W×H (MM)   | 34.0 × 39.0 × 33.0  |
| WEIGHT (KG)           | 8.27  | AVAILABILITY            | In stock  |

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONFIGURATION



Motorized Micromanipulator

SKU

RWD-MM500

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**Scope.**

[INFO@CONDUCTSCIENCE.COM](mailto:INFO@CONDUCTSCIENCE.COM)   [CONDUCTSCIENCE.COM](https://CONDUCTSCIENCE.COM)

RWD-MM500 · DATASH

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## BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM

Motorized Micromanipulator

## MATERIALS REFERENCE

0 MATERIAL

CODE

DESCRIPTION

PROPERTIES

USED IN

Cross-reference.



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## OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

### OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

### STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

### STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

## ANIMAL COMPATIBILITY

BY SPECIES

## NOTES

USE & S

| SPECIES | BODY WEIGHT | CHAMBER FIT |
|---------|-------------|-------------|
|---------|-------------|-------------|

Specifications verified against current published product data. Verified 2026-07-11 · Since 2026-07-11.

**Cite:** ConductScience RWD-MM500, Spec v1, 2026-07-11. [conductscience.com/lab/motorized-micromanipulator](https://conductscience.com/lab/motorized-micromanipulator)

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