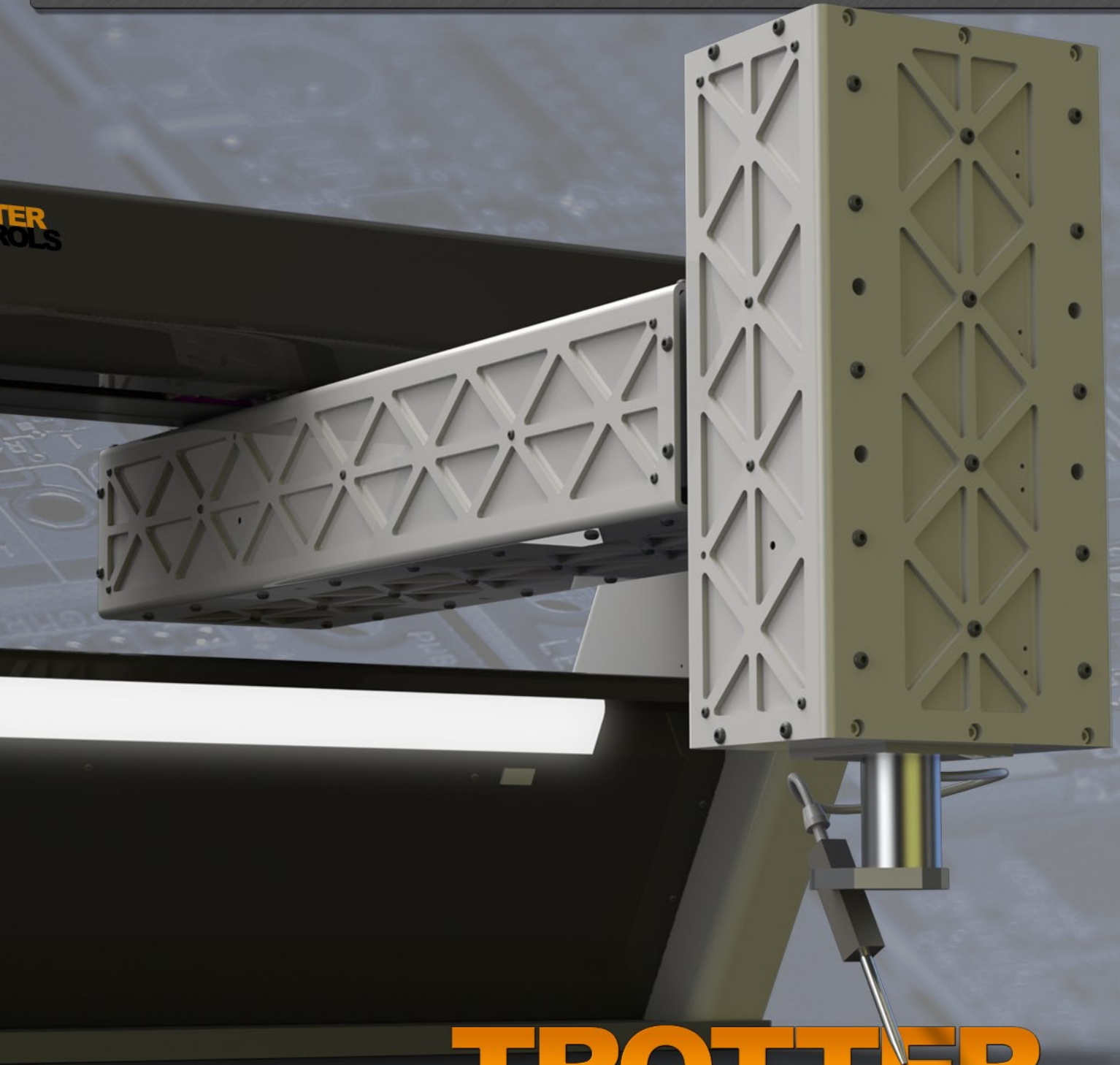


MOTIONBRUTE

Enabling Automation.



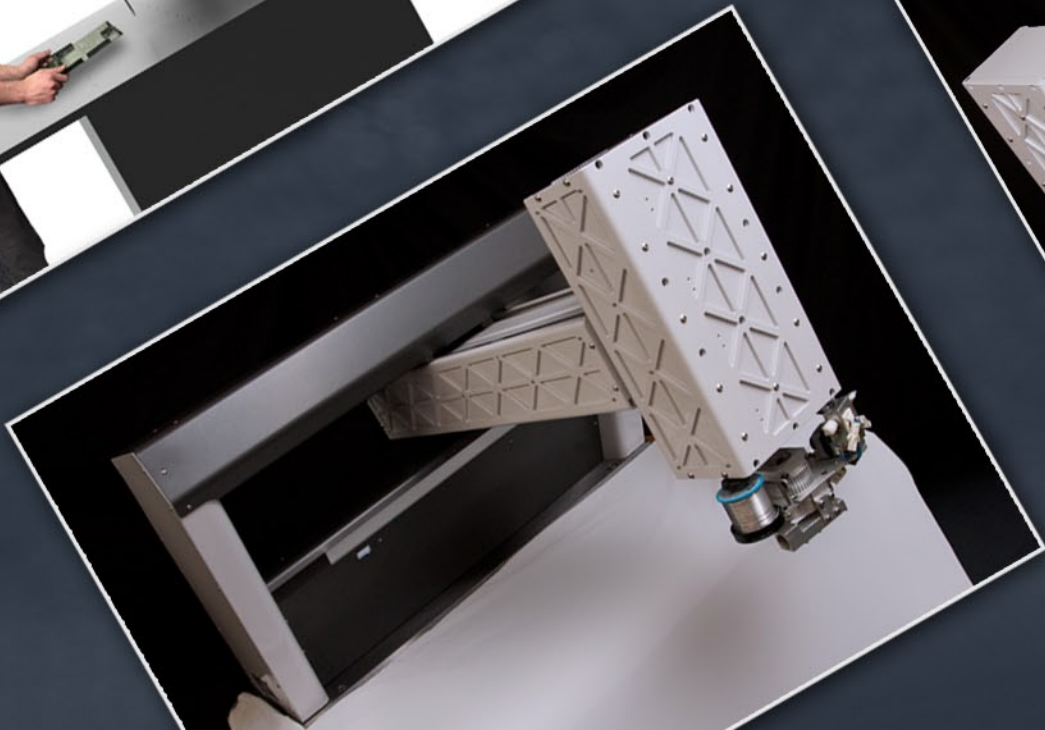
TROTTER
CONTROLS

TROTTER CONTROLS MOTION BRUTE

OVERVIEW

High Precision, High Capacity, Ultra Flexibility; never before have these qualities come together on such an affordable machine with no compromises. The MOTION BRUTE base platform is offered with tooling for a variety of processes and can be adapted for custom applications. MOTION BRUTE is very economical and rugged enough for 24/7 production.

MOTION BRUTE is flexible and scalable for large work areas with no loss in speed, precision or accuracy. This scalability is achieved using rotating nut ball-screw actuator technology seen only on high end equipment several times the cost of the MOTION BRUTE system.



STANDARD SPECIFICATIONS

- Platform
 - Table Top, Ceiling Mount,
 - Multi-Head, Inline Conveyor
- Process Area
 - 450 mm x 450 mm
 - 600 mm x 500 mm
 - 600 mm x 600 mm
 - 2100 mm x 1200 mm
- Repeatability
 - ± .025 mm
- X - Y Axis Speed
 - 500 mm/s
- Construction
 - Heavy Duty Steel Frame
- Operating Sys.
 - Integrated Dual Core
 - Industrial PC / Windows
 - XP Embedded
- Programming
 - SequenceWorks™
 - Scripting Lanuage

MOTIONBRUTE DETAILED SPECIFICATIONS

SERIES

Model	X Axis	Y Axis	Z Axis	θ Axis
MB 1818	450mm	450mm	150mm	360°
MB 2420	600mm	500mm	150mm	360°
MB 2424	600mm	600mm	150mm	360°
MB 8242	2100mm	1000mm	150mm	360°

ROBOT SPECS

Platform	Table Top (standard) / Inline Conveyor (optional)
X - Y Axis Speed	500 mm/s
Repeatability	± .025 mm
Payload X-Y	35 kg
X-Y-Z	25 kg
X-Y-Z-θ	10 kg
X - Y Axis Construction	Rotating Nut Ball-Screw / Closed Loop Position
Z Axis Construction	Rotating Nut Lead-Screw / Closed Loop Position
θ Axis Construction	Heavy Duty Gearbox / Closed Loop Position
Construction	Heavy Duty Steel Frame, Square Rail Linear Bearings
Programming	Process Specific Menu System SequenceWorks™ Scripting Language
Operating System	Integrated Dual Core Industrial PC / Windows XP Embedded
Data Management	Microsoft SQL
Network	Ethernet, .NET Framework Support
Workarea Lighting	Integrated Fluorescent (standard) / LED (optional)
PC LCD Monitor	Included Standard
E-Stop / Power Panel	Included Standard

CONFIGURATIONS

Robot Configurations	Table Top, Ceiling Mount, Multi-Head
Work-Cell Configurations	Virtual Shuttle™ - Operator load Dual Shuttle - Operator load Multi-Head - Up to 3 processes per work-cell Inline Conveyor - Available for all configurations Operator Guarding - Available for all configurations



AVAILABLE OPTIONS

Process Viewing	Micro camera and process monitor
Vision Guidance	Optional fiducial recognition and product orientation
Dual Slide Shuttle	Dual precision slide shuttles with fixture mounts
Bar Code Reader	Hand held 1D/2D bar code reader (Micro Scan)
Bar Code Auto Recipe	Automatic recipe selection based on bar code
Adept Control System	High performance coordinated motion and vision

**TROTTER
CONTROLS, INC.**
1808 E. Daggett Ave.
Fort Worth, TX 76104

817.535.2243 Main
817.535.5515 Fax
contact@trottercontrols.com
www.trottercontrols.com