

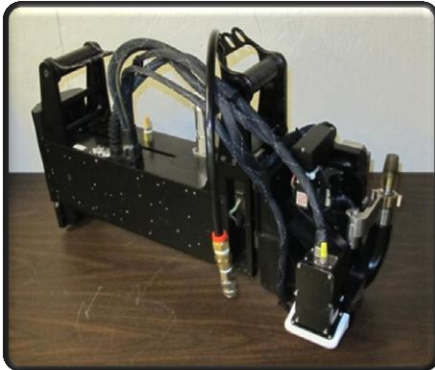


## MINI FLEX TRACK

### END EFFECTORS

MINI FLEX TRACK LIGHT DUTY (MFT-LD)

MINI FLEX TRACK HEAVY DUTY (MFT-HD)



MFT-LD



MFT-HD

#### Key Features:

- Single person setup
- Modular with simple latching mechanism.
- Quiet operation
- Variety of programmable drilling modes
- Automated A-axis normalization for longitudinal and orbital drilling. Flat to 80in (2000mm) radiuses on convex surfaces
- Broken and worn drill bit sensing
- RFID embedded in spindle (MFT-LD, Option)
- Interchangeable with our positioning carriage module

#### Technical Specifications:

	MFT-LD End Effector (shown on top)	MFT-HD End Effector (shown on bottom)
<b>Air supply requirements</b>	Dry @ 90 psi minimum	Dry @ 90 psi minimum
<b>Drill lubricant</b>	Mist pulse (Optional)	Mist pulse and Through tool
<b>Drilling modes</b>	Peck, Micro Peck, Plunge, Stacks With Different Materials, Constant IPR Drilling	Peck, Micro Peck, Plunge, Stacks With Different Materials, Constant IPR Drilling
<b>C'sink options</b>	Hard stop cage or CNC programmable	Hard stop cage or CNC programmable
<b>Vision system</b>	Cognex camera	Cognex camera
<b>Spindle motor type</b>	Modular air spindle	DC servo
<b>Spindle motor speeds options</b>	Fixed at 1,500, 3,700, 6,500 and 23,000 rpm	Variable up to 3000, 6000, and 9000 RPM
<b>Spindle feed motor type</b>	DC servo	DC servo
<b>Spindle feed velocity</b>	Programmable up to 2.5 Inches/sec (64mm/sec)	Programmable up to 2.5 Inches/sec (64mm/sec)
<b>Spindle thrust</b>	Programmable up to 80 lbs (356N)	Programmable up to 300 lbs (1333N)
<b>Spindle collet type</b>	ER16	HSK-32A
<b>Recommended max drill dia.</b>	5/16in (8mm)	7/16in (11mm)
<b>Recommended min. Drill size</b>	1/8in (3mm)	1/8in (3mm)
<b>Recommended max drill depth</b>	2 in (50mm)	3 in (76mm)
<b>Drill/countersink depth repeatability</b>	±0.001	±0.001
<b>Clamping motor type</b>	DC servo	DC Servo
<b>Clamp up force</b>	Programmable up to 80 lbs (356N)	Programmable up to 300 lbs (1333N)
<b>A-axis motor type</b>	DC servo	DC Servo
<b>A-axis travel</b>	+8 to -2 Degrees From Normal (Convex Surface)	+8 to -2 Degrees From Normal (Convex Surface)
<b>A-axis normality accuracy</b>	±0.3 degrees	±0.3 degrees
<b>Y-axis weight</b>	42 lbs (19kg)	66 lbs (30kg)
<b>Size (L x W x H)</b>	27.5in x 11in x 16in (698mmx279mmx406mm)	33.5in x 12.25in x 18.75in (851mmx318mmx76mm)

For more information, demonstrations, or custom applications please contact a representative to discuss your specific requirements