

BR-5003 Profile Rail Linear Gantry

- o Ergonomic tool balancing gantry system designed to eliminate tool weight
- o Laser positioning sensors ensure accurate positioning for fastening locations
- o Cable carriers for seamless, well organized wire routing
- o Indicator light included
- o Tools and controllers not included



Gantry	Description
BR-5003 (1)(2)(3)(4)(5)(6)	Profile Rail Linear Gantry
<i>Example: BR-5003(1720)(S)(3)(D4,10)(T1)(C1)</i>	

Gantry Length (1)	X axis Travel
(1240)	830
(1480)	1070
(1720)	1310

Gantry Type (2)	Gantry Type Description
(S)	Single Z Axis
(D)	Dual Z axis
(Z)	Static Z mast (No XY Bridge)
*(Z) Z mast only with no bearings	

Sensors (3)	Option Description
(K1,X)	Keyence Sensor LR-TB2000C
(K2,X)	Keyence Sensor LR-TB5000C
(K3,X)	Keyence Sensor LR-TB5000CL
(K4,X)	Keyence Sensor LR-TB2000CL

*Up to (1) sensor per axis. Quantity of laser sensors should be selected depending on fastening locations.

X = Quantity Required

Note: Dual Z mast Gantry will allow for (2) X-axis sensors

BR-5003 Profile Rail Linear Gantry (Continued)

Option (4), Tool Mount	Option Description
(D1)	BR-5103-001 - Static
(D2)	BR-5103-002 - Rotate 180°
*(D3,XX)	BR-5103-003, XX - Right Side Fixed Angle (1 - 45°)
*(D4,XX)	BR-5103-004,XX - Left Side Fixed Angle (1 - 45°)
*(D5,XX)	BR-5103-005,XX - Front Side Fixed Angle (1 - 45°)
*(D6,XX-XX-XX)	BR-5103-006,XX-XX – Static (Vertical Tool) / Pivot (10 - 20°)
*(D7,XX-XX-XX)	BR-5103-007,XX-XX - Rotate 180° / Pivot (10 - 20°)
(D8)	BR-5103-008 - Static Side (RH/LH) Tool Mount
*(D9,XX-XX-XX)	BR-5103-009,XX-XX – Static (Horizontal Tool) / Pivot (10 - 20°)
(D10)	BR-5103-010,XX – Neutral, Gesipa Taurus (0°)
*(D11,XX)	BR-5103-011,XX – Fixed Angle, Gesipa Taurus (1 - 45°)
(D12,XX-XX-XX)	Pneumatic Pivoting Tool

**Increased lead times should be expected for custom angles. Inquire for current lead times.*

Option (5), Tool Clamp	Option Description
(T1)	BR-5203-001 - (Cleco Holder, Ref. Table)
(T2)	BR-5203-002 - (Neotek Cleco, Ref. Table)
(T3)	BR-5203-003 - Desoutter ECS/ERS Tool Clamp, w/ M20
(T4)	BR-5203-004 – (Desoutter ECSA Tool Clamp)
(T5)	BR-5203-005 – Static Neutral, Gesipa Taurus Tool Clamp
(T6,XX)	BR-5203-006 – Fixed Angle, Gesipa Taurus Tool Clamp Requires 143 5538 Holder on Taurus Riveting tool (1 - 45°)

BR-5003 Profile Rail Linear Gantry (Continued)

Option (6)	Option Description
(C1)	Z Axis, Pneumatic Rail Lock Kit [Dual (C1,Z1) (C1,Z2)]
(C2)	X Axis, Pneumatic Rail Lock Kit [Dual (C2,X1) (C2,X2) <i>Requires (C5)</i>]
(C3)	Y Axis, Pneumatic Rail Lock Kit - Rail lock, Locks Both Sides
(C4)	Bumper Extension, Extended Z mast Bumper for Dual Interfering Tool Mounts (Required for Dual X axis Locks)
(C5)	Tool Extension, Tool Mount to Tool Clamp
(C6)	Custom spring Handle for Gesipa Tool
(C7)	X-axis Magnetic Catch
(C8)	Y-axis Magnetic Catch

Crating/Packaging	Description
Packaging	Product Packaging and Handling
*Crate	Custom ISPM-15 Rated Crate, Certified for Exporting

****This is refundable if crate is returned to SMI in good usable condition***