

APPS-CP-PB-101 DIMENSIONAL ACCURACY AND BEAM ASSEMBLY



Apps and hardware compatible with MC12 and MC24 controllers, providing real-time validation of beam assembly and dimensions. The system instantly detects deviations and nonconformities to ensure the quality of manufactured products.



Benefits & gains

- Enhanced quality control
- Reduced customer returns and non-conformities
- Reduced downtime
- Streamlined operations and human supervision
- Proactive detection of process anomalies
- Supervision via Web HMI with secure remote access



[9]	354.061	✓
[1]	354.021	✓
[2]	353.847	✓
[3]	353.827	✓
[4]	353.853	✓
[5]	353.900	✓
[6]	353.894	✓
[7]	353.900	✓
[8]	353.947	✓
[9]	353.884	✓



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DIMENSIONAL ACCURACY AND BEAM ASSEMBLY

FEATURES	
Compatibility with the Controller Module (MC)	Minimum configuration: MC12-XXX
Types of joists	I-joists
Types of non-conformity	Detect X-joint within +/- 1/8", spacing between two web sheets within +/- 1/16", incorrect flange parallelism within +/- 1/16", panel off-center relative to the flange within +/- 1/16", non-compliant joist dimension and height within +/- 1/16"
Operating mode	Speed mode or encoded
PERFORMANCE	
Maximum conveyor speed	500 ft/minute (2,540 mm/sec)
Joist dimensions	9"-12"-16"-18" (other configurations available upon request)
POWER	
Required power from the MC controller	43W
Number of MC channels required	3
VISUALIZATION	
HMI – Human-Machine Interface	WEB HMI with secure password-protected access via IP
ENVIRONMENT	
Ambient operating temperature	0 to 50 °C
Storage temperature	-30 to 70 °C
Variant	Designed for harsh, abrasive, and dusty environments
Included material	Junction box when necessary

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