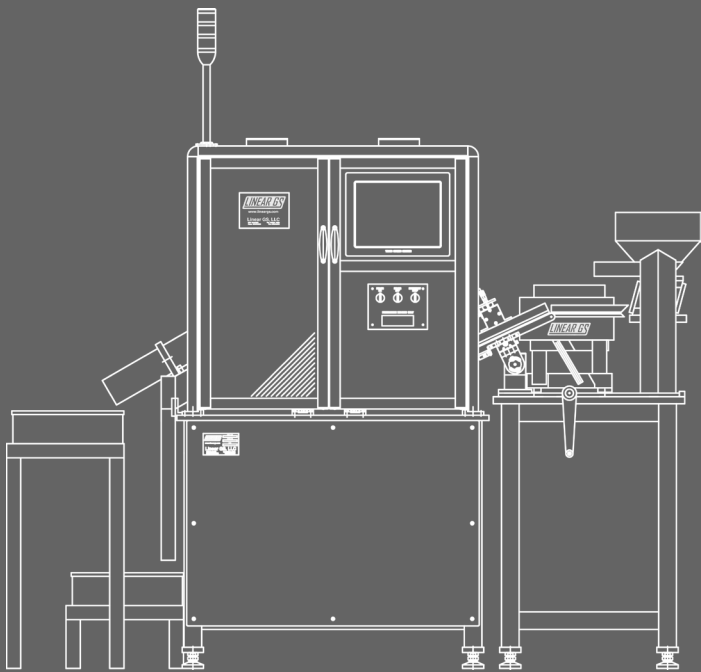


LM Model

LINEAR GS

Fastener
Inspection
Machines

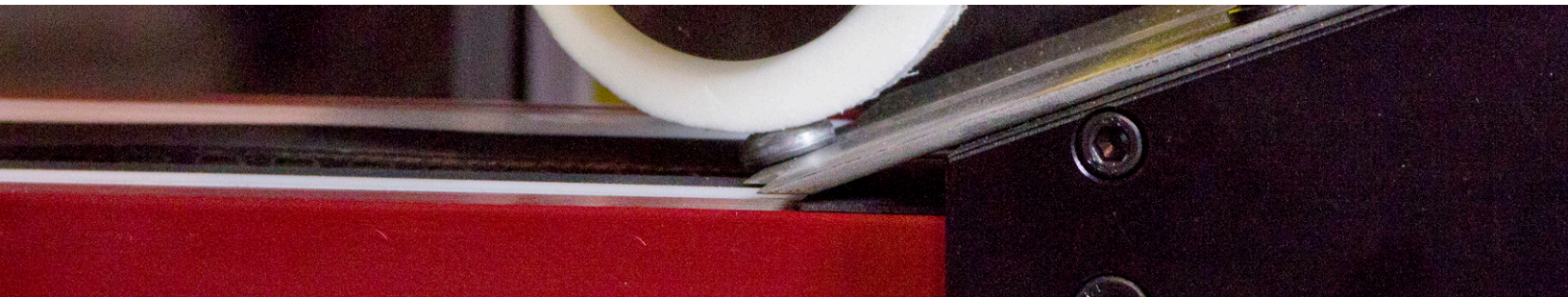


Model: LM, Mini, Split Belt Conveyor Inspection Machine, US/CE Compliant
Series: 1000 through 4000

Production Rate: 600 to 1,200ppm, based on fasteners M2-0.4 x 10mm in length
Product Type: Ferrous and non-ferrous based headed fasteners, M1 to M4 x 15mm in length
Vision Field of View (FOV): 20mm horizontal x 20mm vertical
Inspection Cameras: Standard or telecentric camera lenses available

LM Inspection Machine Capabilities

<p>Camera 1:</p>	<p>Top down view with adjustable front lighting (20mm FOV), Resolution > .0005" Perimeter and open burst cracks, open cracks visible at OD, in silhouette view of part, part standing on head viewed down Diameter; min/max/avg Ovality/Roundness of head OD Hex(no flange) min/max diameter</p>
<p>Camera 2:</p>	<p>Side view with backlight (20mm x 20mm FOV), Resolution .0005" Length Head Height Shank Length Shoulder Diameter, min/max/avg/angle and variance Point (Pilot) attributes Threads: Major diameter Major Variance Minor diameter Maximum Average Thread Match % Pattern detection of filled or missing threads</p>
<p>Camera 3 @ 90°:</p>	<p>Side view with backlight (20mm x 20mm FOV), Resolution .0014" Turned Head; Side view comparison and average of hex head width Bolt straightness, features of bolt can affect reading</p>



LM Inspection Machine Options

<p>Custom Inspection Options Includes additional camera configurations</p>	<p>Additional measurement detection</p>
<p>Feed System Options Includes precision down track, heavy duty adjustable base on all systems</p>	<p>10" Drive, Vibratory stainless steel tooled bowl for .8mm to 2mm diameter fasteners 12" Drive, Vibratory stainless steel tooled bowl for 2mm to 4mm diameter fasteners Custom sound enclosure available with easy access for feed system tooling change over</p>
<p>Bulk Material Handling Options Includes heavy duty internally-lined hoppers</p>	<p>1ft³ or 3 ft³ Hopper mounted to bowl table for smaller size fasteners 10 ft³ and 12ft³ Hopper, Floor style loader with lift-up conveyor and variable speed motor for smaller to medium size fasteners 19ft³ Hopper, High Flow, Tub dump style loader for medium to large size fasteners Dust collection units available for inspection machine and material handling components</p>
<p>Packaging for Inspected Product Includes boxing and top sealing options</p>	<p>1/4 Keg box, 5 unit packaging system with storage conveyor 1/4 Keg box, 10 unit packaging system with storage conveyor 1/4 keg box, Automatic top fold and tape sealer</p>
<p>Custom Optics Telecentric lens / lighting and high resolution camera options</p>	<p>Cameras, 1 to 25 mega pixel Precision telecentric lens with custom FOV available for enhanced accuracy</p>

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