



The Precision 90-Line Square Plane is an enhanced version of the popular 90-Line Right Angle Beam Bender and is designed for creating a precise right angle. The 90-Line accepts the laser reference beam from the Microgage Laser and redirects it precisely 90 degrees. In addition, the 90-Line nose piece allows you full rotational capability to create a reference square plane that is ideal for squaring machinery, adjusting machine tools, positioning slides, and checking gantries. Furthermore, the 90-Line can also be used to create precise parallel lines or reference planes for checking roller alignment, tracks, and mechanical guides.

This 90-Line Square Plane comes with a precision 2-Axis Positioning Mount and compact digital receiver to accurately center the incoming laser reference beam to the 90-Line. When centered, the 90-Line can be turned through a full rotation and the right-angle exiting laser beam defines a precise plane that is square to the incoming laser beam.

The 90-Line is built with a durable housing necessary for holding the precision optical elements that redirect the laser beam. The exiting laser is square to the incoming beam within 0.0006 degrees, or equivalent to 0.001 inch at 8 feet. The housing has several fine adjustments and it is machined from a solid aluminum block and is protected with a hard anodized coating.

Features:

- Produces precise right angles to 0.0006 degrees
- Working range of 0 to 80 feet
- Precision rotation adjustment and position lock
- Stainless steel and quality optics
- Easy and versatile mounting options
- 1 Year Warranty/Product Support



Applications:

- Squaring machinery and equipment
- Setting and adjusting parallel tracks & rails
- Aligning web rollers, idlers, and reels
- Checking gantry position and travel
- Monitoring and adjusting machine tools
- Factory surveying and millwright work