



MESSER ACCURACY ASSURANCE

API Radian Tracker

The latest addition to Messer Cutting Systems arsenal of alignment tools is the "API Radian Tracker." This tool is a laser measurement device that can map 3-D coordinates and provide real-time information on straightness, parallelism, and orthogonality of cutting systems.

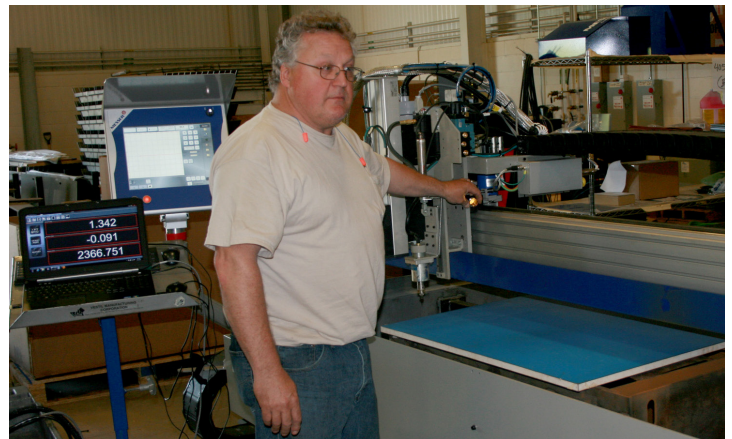
FEATURES AND BENEFITS

- Provides verification of commanded position versus actual position. This can be used to calibrate any deviations from the commanded position, thereby assuring when the system is commanded to a position the gantry actually moves to that exact coordinate.
- Measurements can be made on any surface of the machine to verify correct machining and assembly to an accuracy of less than .001 inches (.0254 mm). This translates into the ability to align the system to accuracies well beyond those previously possible.

APPLICATION

The Spherically Mounted Retroreflector (SMR) is placed in a magnetic "nest" on the machine. The laser beam focuses on the SMR to allow the capture of precise measurements used to calibrate our machines to the accuracy which our industry demands.

Used on all machine models.



Operator places magnetic capture ball on machine while computer screen on left shows measurements in real time.

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