

A-Las™ Automated Laser Alignment System™ P/N: 990014

BENIFITS

- Turns days of costly downtime and labor into a push of one button and a few seconds
- Reduces the necessity for personnel to access the beam path promoting an accident free environment
- Totally eliminates the labor costs of manual alignment increasing productivity and cash flow
- Eliminates reliance on outside contracted labor eliminating schedule delays and reducing unnecessary cost
- Decreases machine scheduled and unscheduled downtime increasing machine productivity and revenue
- Eliminates contamination of optics in sealed beam path reducing replacement costs and inventory
- Identifies failed optical components reducing costly troubleshooting and downtime

FEATURES

- Useable process laser wavelengths 100-400, 800-30,000nm; contact factory for 400-800nm
- Process laser power range .001-20,000 Watts
- Network and control multiple stations from one desktop computer allowing one person to diagnose and correct multiple machines

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FIG 1 depicts the information presented to an operator. two significant areas are the upper right hand and lower left hand zones. The right hand section shows the current beam position, white spot, blue crosshairs, and the red reference crosshairs. Located down and right of the current beam position is the aligned location or targeted position. The lower left hand section, direction arrow area, provides manual position control. Directly above is a Correct Offset button that corrects both axes simultaneously. To the right of the direction arrow area is the Auto Correct button which, when A-Las™ has been configured with multiple modules, corrects the alignment of each module in sequence.



FIG 2 shows the result of correcting the misalignment in FIG 1 utilizing either Correct Offset or Auto Correct.