

Structural Laser

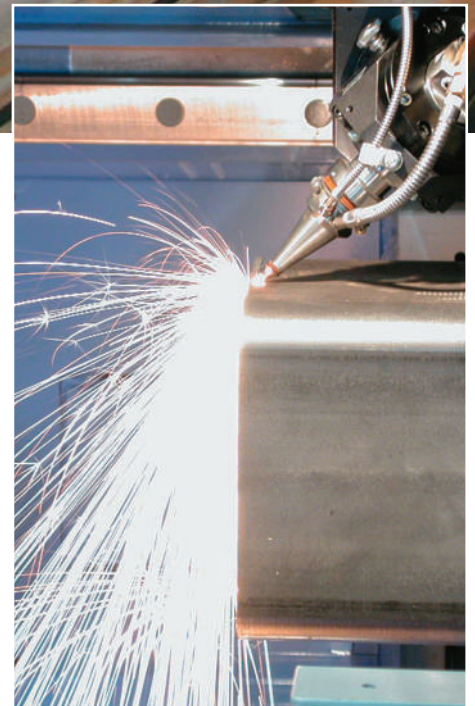


Laser processing of tube, pipe, bar, shapes, custom shapes and extrusions is a cost saving specialty of Farwest.

3-D Laser Processing replaces multiple operations such as sawing, grinding, machining, drilling and punching with one operation.

Benefits

- Cutting multiple parts from 48' feed stock reduces wastage and costly setup time
- Eliminates manual measuring and cutting
- End-cut, bevel-cut and/or contour-cut both ends of parts with no re-positioning
- Adding "tabs" and "slots" to parts reduces or eliminates costly clamping time prior to welding
- 6-Axis cutting head produces true 3-D cut for perfect fit of angular connections including weld prep bevels resulting in reduced weld time
- Laser marking for location and identification



WORKPIECE SHAPE

Square Tube	1/2" through 8" x 8"
Rectangular Tube	1/2" x 3/4" through 10" x 6"
Round Tube	10 1/2" dia.
Pipe	1/2" through 9" X H
Angle	1/2" x 1/2" through 8" x 8", 9" x 4"
Channel	1" x 1/2" through 8" x 18.75
Ship Channel	3" x 7.1 through 8" x 22.8
I Beam	3" x 5.7 through 6" x 17.25
WF Beam	4" x 13.0 through 6" x 25
Custom Shapes & Extrusions	Must fit inside 10 1/2" dia. circle

WORKPIECE MATERIAL

Material	Carbon, Stainless, Aluminum Inquire for Additional Materials
Maximum Thickness	7/8" on 90 Degree Cut 5/8" on 45 Degree Cut
Positioning Accuracy	± .005 in 20"
Cutting Accuracy	± .005 in 20" *
Laser Output	4000 Watts

* Varies with Material & Surface Conditions



Visit www.farweststeel.com for product, service & location information



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