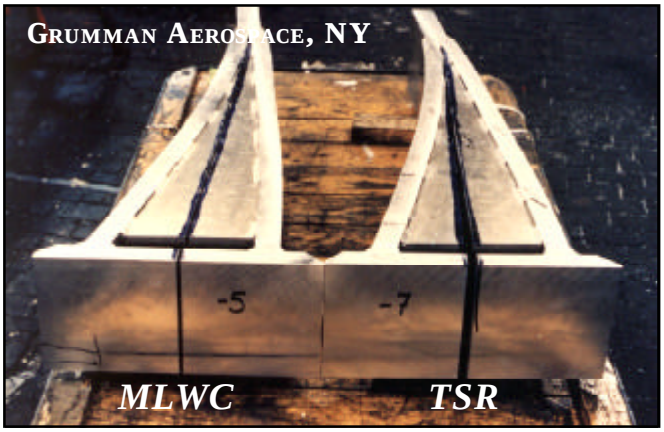
Welding & META-LAX®



Bonding Fixtures

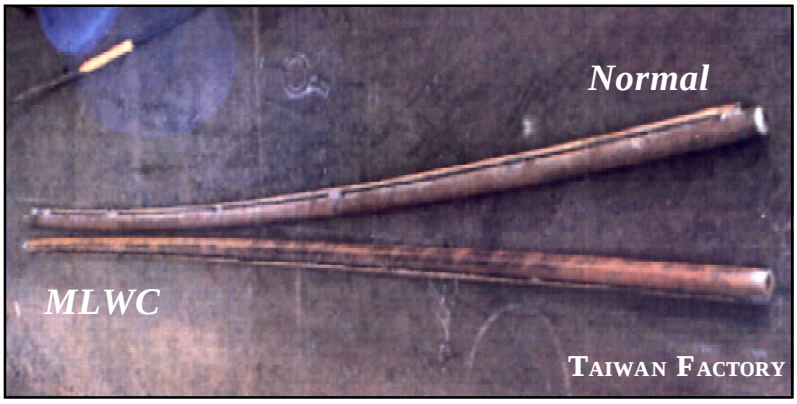
69% LESS DISTORTION in this side-by-side comparison was achieved due to Meta-Lax weld conditioning vs. thermal stress relief.

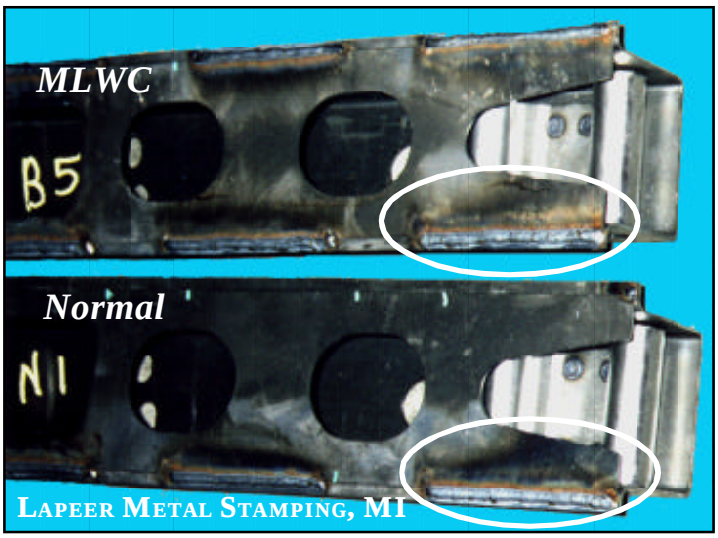
The MLWC 6061-T6 aluminum fixture distorted .161-in. after being saw cut, while

REDUCE WELD DISTORTION & WELD CRACKING

Pipes

80% LESS DISTORTION occurred from the Meta-Lax weld conditioned pipe (bottom) than the "normal" welded pipe (top). Pipes were about 3-in. diameter, 6-ft. long with a 1/2-in square bar welded in 6 places.





Cross Members

LESS HEAT INPUT (amps) is needed to achieve high quality welds, thereby reducing adverse heat side effects, distortion, and cracking. The "B" cross member was Meta-Lax weld conditioned, while the "N" was welded as normal.

Note the difference in the heat affected zone. The Meta-Lax weld conditioned HAZ is metallurgically desired.

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