

## Featured Company: C.L. Hann Industries, Inc.

### 90% Distortion Reduction!

C.L. Hann Industries Inc., San Jose, California, is a manufacturer of high precision welded and machined components. They added Meta-Lax, equipment in order to do in-house stress relieving of weldments. The Meta-Lax system accomplished more than just the reduction of welding stress!

One job in particular, a 6061-T6 aluminum honeycomb platen, had been a regular job of theirs for 10 years. After adding Meta-Lax during the welding of the 98 in. x 60 in. x 16 in. platen, there were major decreases in distortion and shrinkage. The platen, requiring 840 ft. of ¼ in. multi pass welds, challenges any procedure.



*This honey comb platen was Meta-Lax weld conditioned and obtained 90% better than normal distortion.*

“With Meta-Lax applied during welding, we have been able to drastically reduce distortion due to welding and eliminate preheating and heat affected zone problems,” said owner Pete Hann. “Use of this process has helped us control the flatness of the platens, previously 1 in. plus the current 0.100 in. TIR,” he explained. That’s a 90% reduction!

**“We found that using the Meta-Lax system during welding gave a better appearance to the weld.**

The wetting action was also better and it reduced weld porosity. Upon completion of the welding process, the part is then stress relieved and ready to machine,” Pete said.

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