



McAlpin Industries of Rochester, NY is a vertically integrated precision sheet metal fabrication company with nearly 50 years of experience.

This third generation family business has become an industry leader by delivering what they define as “*Total MetalWorking Solutions*” — providing sheet metal fabrication, precision stamping, contract assembly & fulfillment and design services.

Striving to achieve 24/7 green-light-on time while reducing costs and increasing capacity, McAlpin turned to Amada. After a comprehensive analysis of McAlpin’s entire manufacturing process, Amada provided the optimal solution — the LC-2012CI NT punch/laser combination machine equipped with an automated sheet loader and integrated part remover/stacker. A networked HDSI 303 NT precision press brake and Amada’s industry-leading software completed the custom-engineered solution. Ken McAlpin, President/CEO, reflects on the purchase, “*We wanted to leverage automation and achieve greater machine and material utilization. Amada provided us with a quick, seamless transition into lights-out production.*”

Partnering with Amada has added a rapid-response dimension to McAlpin Industries enabling them to attract new customers and win new business by producing parts:

- **Faster** (*Punch/Cut changeover time on Amada’s CI combination is 50% faster than the industry average. Amada Fixed Height tooling has reduced press brake setup time by 60%. SheetWorks software unfolds twenty-one 3D models in 20 minutes compared to 210 minutes previously.*)
- **Better** (*With the CI and the new HDS brake, McAlpin has eliminated two of their previous turret punch presses, a laser and three less-efficient press brakes. The CI’s scratch-free processing meets customers’ ever-increasing cosmetic demands while eliminating labor-intensive secondary operations.*)
- **Cost-effectively** (*Dynamic part nesting, offline programming, lights-out automation and the efficient flexibility of a punch/laser combination machine have dramatically reduced costs and setup times.*)
- **In any quantity** (*Seamless process integration combined with the precision and reliability of advanced automation enables cost-effective production of parts in quantities ranging from 1-10,000.*)

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