

## ► CASE STUDY

- “The personalized training is terrific. I learned so much more about what the software can do – even after using the software for 12 years. The skills I picked up in just 2 days will save us programming time and make the whole process even more automatic.”
- Northern Plains Steel

### COST CUT 20-40%: CNC NESTING SOFTWARE ADVANCED FEATURES

#### DELIVER SAVINGS FOR NORTHERN PLAINS STEEL



#### CLIENT: NORTHERN PLAINS STEEL

- a single-source fabricator handling large and small made-to-order parts projects for customers worldwide
- located in Fargo, North Dakota
- serve the agriculture and energy industries
- learn more online at [www.npsteel.com](http://www.npsteel.com)

#### ❓ PROBLEM:

NPS needed to find a way to trim costs. They run five Trumpf lasers in their job shop. Minimizing raw material use and maintaining or increasing production speed are at constant odds. Arlin Vanderwerff, Vice President and General Manager, works to achieve both goals and maintain a quality product.

#### 📐 SOLUTION:

A long-time Optimization® customer, Vanderwerff turned to Optimization's Common Edge Cutting to meet the opposing objectives. The Axiom VE™ (nesting software) using the Common Edge Cutting feature nests parts marked as acceptable for common cutting. A shared cut line eliminates material between parts and dramatically reduces cut time. All without compromising part quality.

#### A+ RESULTS:

Vanderwerff reports two separate instances where the common cutting has already made an impact.

- On a run of 8600 dissimilar parts, NPS achieved 15% material savings and a 20% reduction in cut time.
- When cutting 2" x 50" bars, NPS achieved 20% material savings, 20% reduction in cnc programming time, and a 40% reduction in cut time.

NPS can now apportion the additional savings in discounts to the customer, capital investment, a rainy-day fund, or additional compensation to the skilled NPS team, who worked with Optimization to make this happen.