



## High-volume aluminum weld yoke production

Thunderbird Metals is your partner for high-volume production of automotive aluminum weld yokes. We are fully invested in high-volume, high-precision manufacturing, vertically integrated at our facility in Elk Grove Village, Illinois. We combine our aluminum impacting expertise and our high-speed precision machining capabilities with automation to quickly and efficiently manufacture aluminum weld yokes.



Learn more at:  
[thunderbird-metals.com](http://thunderbird-metals.com)

### Aluminum impacting for speed



Near-net-shape parts production reduces material costs, minimizes secondary machining, and maximizes strength and performance.

### High-speed precision machining



Robotic parts loading of near-net-shapes into our 12-station multi-spindle rotary transfer machining center ensures fast finishing with repeatable accuracy.

### Reliable quality, made in America



Industry-leading tier one driveline manufacturers turn to us for our consistent quality and cost-effective on-time delivery of their aluminum weld yokes.

[performance under pressure]

## Cost-effective near-net-shape parts production

Our single-stroke impact extrusion process lowers weld yoke component costs while enhancing the strength of the aluminum. Design-for-manufacturability and in-house tooling expertise allow us to produce extruded parts to match your exact specifications.

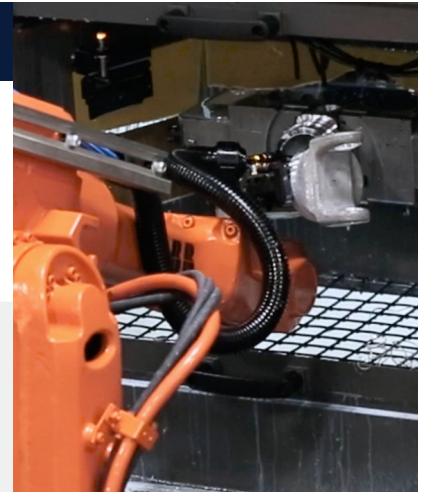
- Near-net-shape expertise
- Minimize material waste
- Accelerated production timelines
- Reduce per-part costs
- Strengthen components
- Vertically integrated



## High-volume, high-speed precision machining

Robotic parts loading of near-net-shapes into our 12-station multi-spindle rotary transfer station enables high-volume finish machining of aluminum weld yokes to reliably and repeatably meet the most intricate of specifications and geometries.

- Multi-axis machining
- Repeatability performance
- High-precision finishing
- High-volume production



## Quality you can count on

Thunderbird Metals is committed to the highest standards of quality and dependability. We place the utmost importance on delivering excellence every day through stringent quality control processes. From material acquisition to finished parts production to on-time delivery, Thunderbird Metals is the partner you can count on.

- IATF 16949:2016
- Microanalysis testing
- Brown and Sharp CMM
- ISO 9001:2015
- DataMyte SPC data collection
- Digital hardness testing

