

# PREVENT SAGGING

## OTT-JAKOB USED FOR OUTBOARD SUPPORT

Aeromet Industries Inc., an equipment repair specialist for heavy industry in the Midwest and manufacturer of metal processing mandrels, needed an outboard support for a recoil mandrel that is used to coil up rolls of sheet steel.

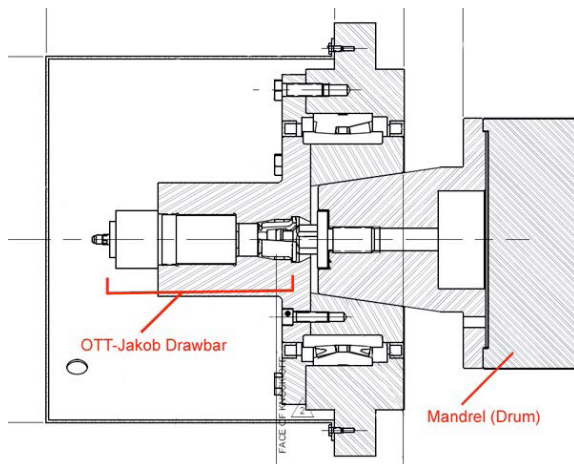
### CHALLENGE

#### ELIMINATE SAGGING

The old design would not support the recoil mandrels, allowing it to sag. This meant the mandrel would not match up with the outboard support, and couldn't lock in place. The arbor that holds the mandrel became overstressed.

### SOLUTION

A specially designed, compact OTT/Jakob Drawbar was used in the mandrel arbor. With its 3370 lbs. of pulling force, it was able to pull the mandrel in tightly against the drum, preventing sagging. Because it was able to pull the mandrel in completely, the taper in the support arm then located it properly so the mandrel ended up concentric to the drawbar, resulting a match-up with the outboard support.



*Technical drawing of the mandrel connected to the knockoff using the OTT-Jakob power drawbar.*



*Aeromet mandrel shown with steel material rolled onto it; the drawbar taper is visible on the exposed end.*