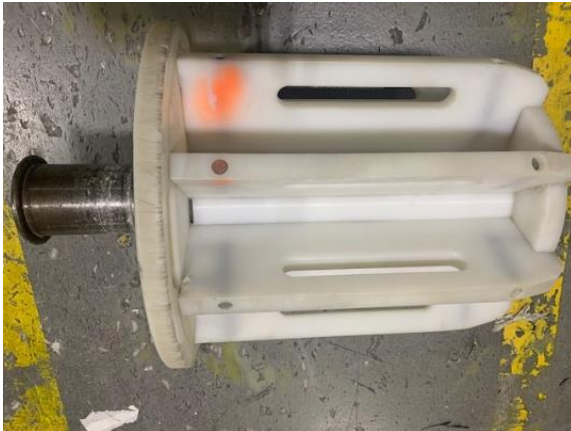




Ergonomic Core Hubs

Employee Ergonomic Risk

A cross-functional team from our converting, maintenance, and safety teams identified an ergonomic risk associated with the handling of core hubs that are placed in parent rolls prior to positioning them in the unwind stands on our converting lines.



Original 82 Lb. Core Hub



Original Core Hubs

Employee Involvement/Engagement

Small scale models of design options were built and shared with operators for evaluation and feedback.

- Leveraged employee knowledge of the process
- Helped with employee buy-in during the project implementation
- Built ownership amongst the teams



Ergonomic Core Hubs

Using modern materials and engineering, teams reduced the weight of the core hub by 57 lbs., which is almost a 70% weight reduction.



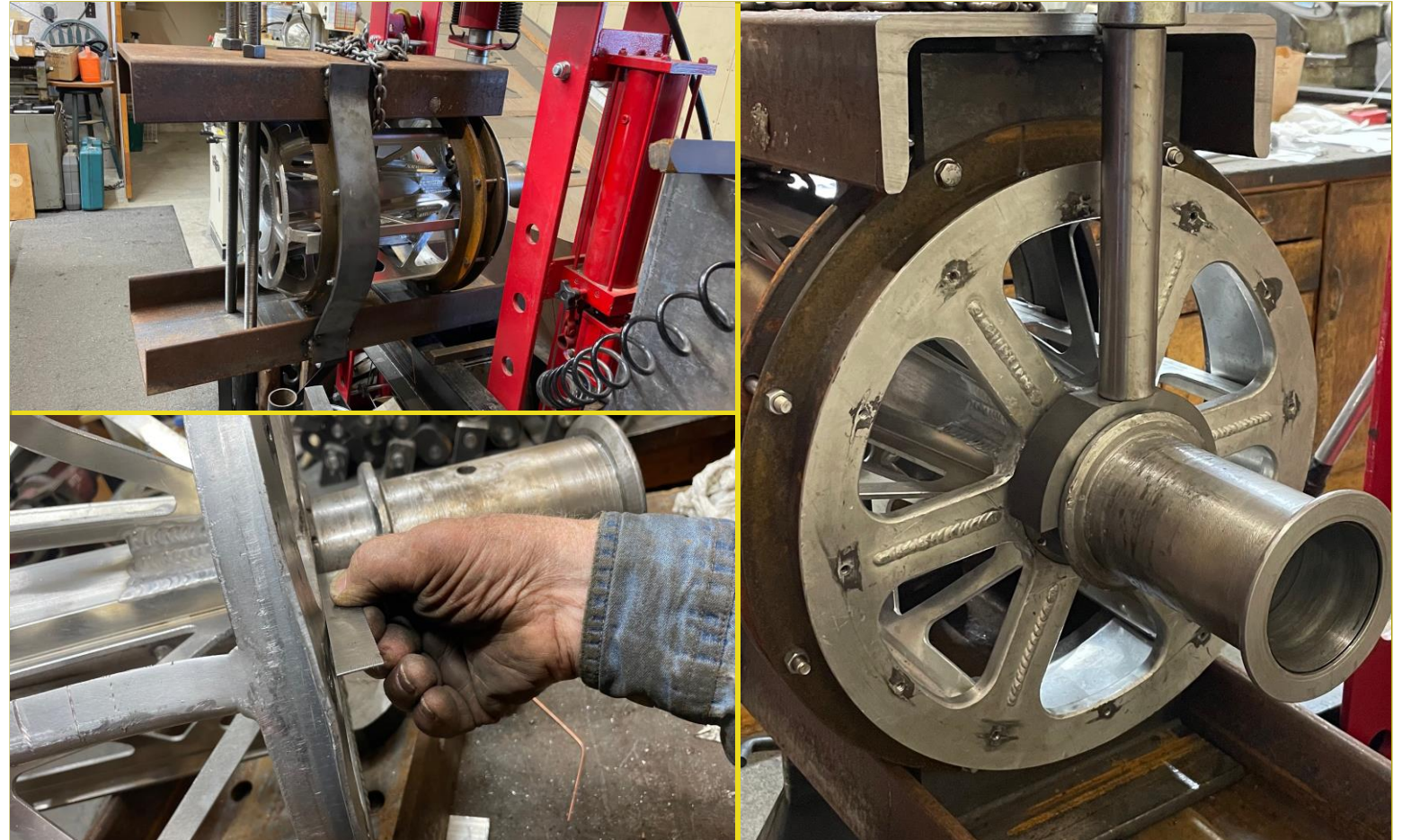
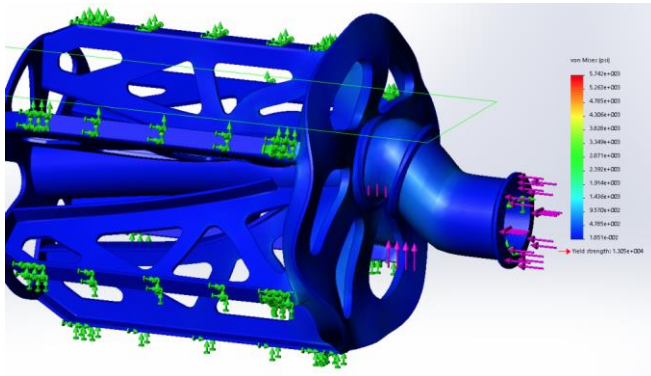
New 25 lb. Core Hub



New Core Hubs

Core Hub Durability

Teams strength tested the core hubs up to 32,000 lbs. before the test was stopped; almost 8 times the weight that is needed to support the roll.



Questions

