

Case #5: Furniture Industry

Objective

Developed specialized furniture systems and methodology that reduce mechanical slippage, increase load bearing capacity and can withstand high temperature applications.

Obstacle encountered

- The client was constrained by the competing objectives maintaining vertical pay-loads, safety and a creating the low pull-force application desired by customers.
- They needed to improve the rigidity of the rack without further restricting the force required to roll the rack forward.

Advancement that was made

Developed a dual-segmented, frictionless slide to withstand temperatures in excess of 500 degrees Celsius and maintain the industry-standard pull-force to unload trays in the 2.72-kg range.

Example of evidence

- Drawings
- Emails
- Notes
- Samples