

Cost reduced by 85% & part count reduced by 50% for Unwinding machine Manufacturer

CLIENT: A \$ 60 million manufacturing company in US that manufactures Unwinding and Rewinding machines.

BUSINESS DRIVERS

- Leading manufacturer of products for the consumer goods industry
- Optimize material and manufacturing cost of an existing hook tape unwind system

OUR SOLUTION

- Developed conceptual design for providing the required function – unwinding of hook tape; instead of optimizing existing design for cost benefits.
- Opportunity for re-design was used for understanding and addressing chronic field issue – tape jumping off the rollers.
- Delivered 3D models, 2D fabrication drawings, Bill of Material.
- Engineering support for manufacturing, testing, installing and commissioning.

BUSINESS BENEFITS

- Part count reduced by 50%; Material and manufacturing cost reduced by 85%
- Significant reduction in footprint of the new design in comparison to existing design
- Added functionality enhancements including Easy tape thread-up, Enhanced operator access to rolls.
- Eliminated tape dislocation out of rolls, better tape control due to shorter tape path.

About MNEs: We are a full-service team committed to provide solutions for your engineering needs. As innovative thinkers and expert collaborators, we combine our expertise to help your facility evolve to the next generation.

- Our team of experts have worked with large companies in areas like engineering design, engineering process, support, automation, and fabrication.
- Our services have enabled more companies to save significantly in terms of cost reduction, improved time to market, and process optimization.

