

Company

Toray Plastics is a subsidiary of Toray Industries headquartered in Tokyo, Japan and the world leader in high-performance films, synthetic fibers and textiles, carbon fibers, plastics, chemicals, and pharmaceuticals. Toray Industries was established in 1926 as Toyo Rayon Co., Ltd and today operates 254 facilities in 26 countries and regions with over 45,000 employees and annual sales of approximately US\$19 billion. Its diversity of businesses, depth of resources and sound global market perspective, along with an unwavering commitment to corporate social responsibility, is a reflection of its corporate philosophy.

- Location: Rhode Island, USA
- Industry: Plastic Films
- Products and Services: Plastics, chemicals, pharmaceuticals and high performance films
- Employees: 45,000
- ERP System: SAP

Objectives

- Replace its non-standardised systems with a solution that was integrated with its ERP (from SAP) and Manufacturing Execution System (Plant Apps from GE) for complex scheduling issues in producing, slitting, metalising and converting high performance films

Implemented Solutions

- X-Trim - addresses primarily film line and the metallisation step
- opt-Studio - schedules all production stages

Benefits

- Optimised the geometry, metallisation and the scheduling
- Integrating trimming of metallisers simultaneously with the film lines and base film inventory has resulted in an improvement in yield
- Integrated trim process allows the scheduler to plan more closely to the targeted quantities, reducing overrun and minimising customer shipment errors
- Reduction in paperwork and improved communication through visibility of operations schedule being available online and updated in real time

“The Greycon solution provides a more drilled in, deeper level of focus on customer’s needs ... I can also now consider the entire schedule instead of looking at each part ... I can see the whole plant easier. Base inventory is better utilised.”

Joe Whaley
Planner /Scheduler
Toray Plastics