

Case Study: Small Aircraft Manufacturer

London, Ontario, Canada

Opportunity

- Our client, an established manufacturer of piston-driven aircraft, was preparing to start production of a new jet aircraft, requiring a considerable amount of their current resources. TPT was asked to assist their team by reducing the size of the production area for their current model while maintaining or increasing capacity, without negative impact to labor costs. Current inventory control and monitoring systems needed to be revised and upgraded to support the additional requirements associated with the new jet aircraft.

Scope

- Production plant layout and implementation.
- Material handling strategies and part traceability.
- Review of standard work and work instructions.
- Implementation of warehouse management system.
- Introduce and implement a Lean Manufacturing environment with continuous improvement as a key objective.

Successes

- Planned and implemented new plant layout which allowed for a 25% decrease in space requirements and a 20% increase in capacity.
- Implemented warehouse management system which directly led to an 85% increase in inventory accuracy and a 20% reduction in work in process.
- Assisted with the development of new visual standardized work instructions.
- Implemented Lean Manufacturing including 5S and continuous improvement.

