INDUSTRY SPOTLIGHT: AEROSPACE

BELL HELICOPTER

Challenge: Improve productivity using current capital equipment.

Approach: Analyze machining of transmission components in order to reduce cycle time and increase capacity.

Software: AdvantEdge Production Module 3D.

Results: Cycle time reduction of 37%.

Bell engineers were able to reduce cycle time for a transmission component through a series of AdvantEdge Production Module simulations.

CESSNA AIRCRAFT

Challenge: Improve the titanium machining process for reduced cycle times.

Approach: Evaluate alternative tooling solutions and modify cutting conditions within the existing tool path.

Software: AdvantEdge Production Module.

Results: Total machining time reduction of 31%.

Using the AdvantEdge software suite, Cessna engineers sped up their input sector hub machining process by more than 5 hours — a 59% improvement on analyzed tools.