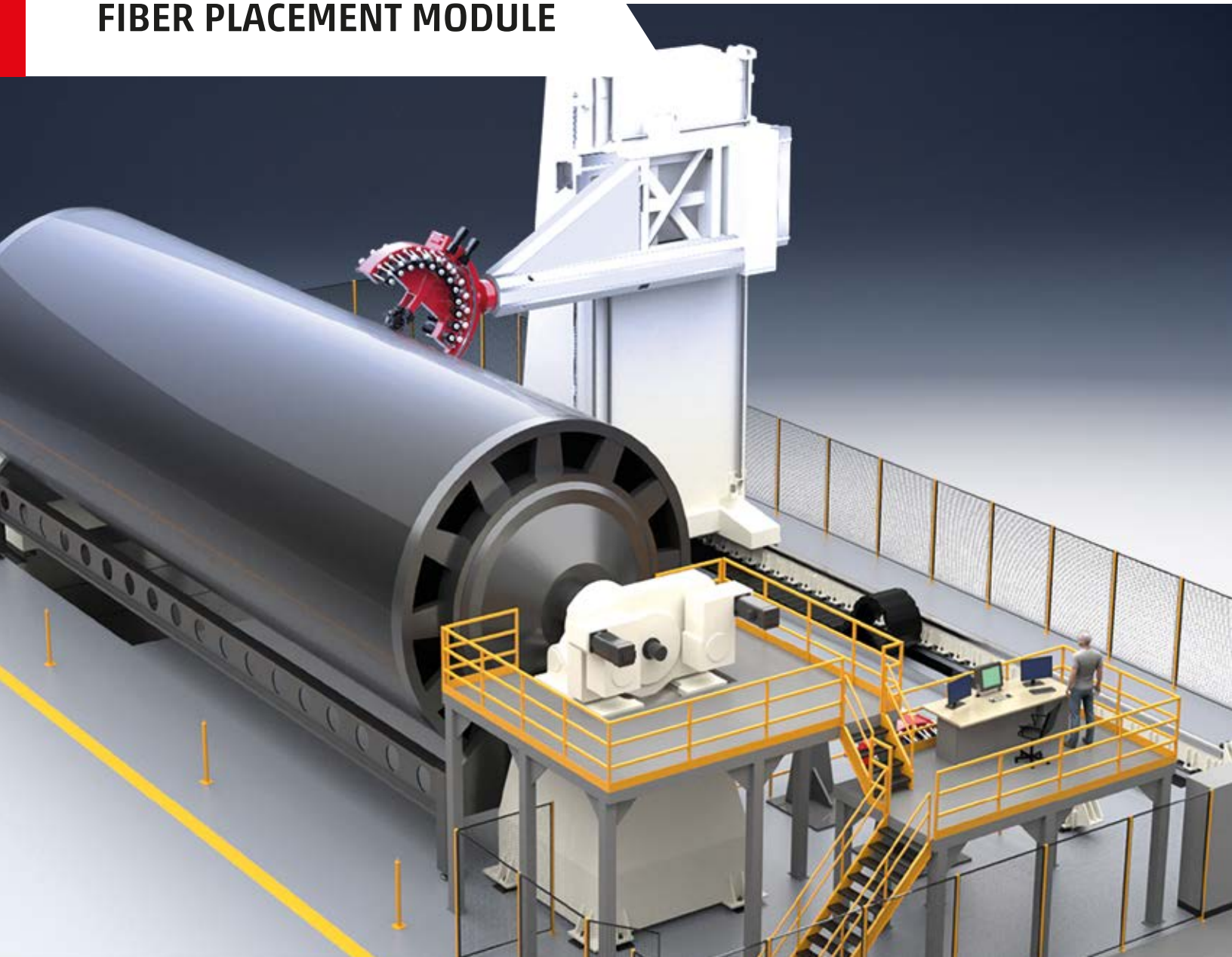




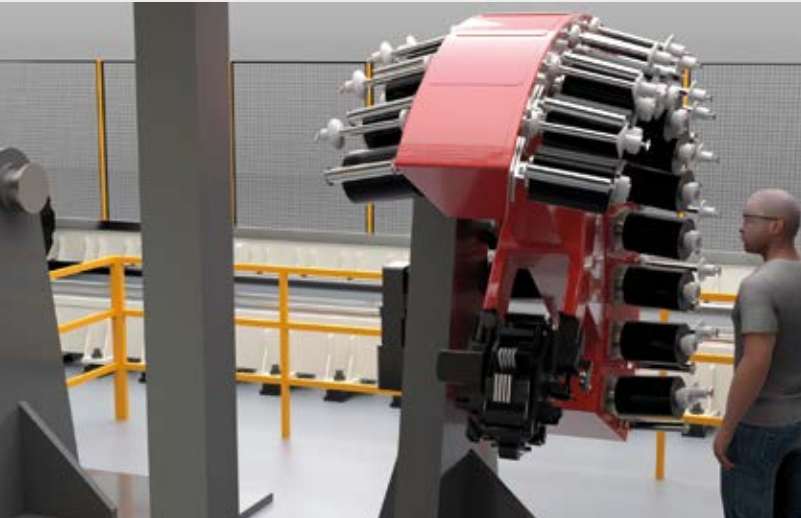
**INGERSOLL**

Machine Tools

# **HAWK™** **FIBER PLACEMENT MODULE**



# HAWK™



**Hawk™** is **Ingersoll Machine Tools'** new Fiber Placement Module engineered for high productivity and high reliability layups of large aerospace parts: wings, fuselages, fairings...

With its unique bundle of short / untwisted tow path and ergonomic / modular subassemblies **Hawk™** provides a defect free layup with minimal maintenance and effortless spool loading/threading.

**Hawk™** can place a wide variety of fiber reinforced materials, from the most common to the most challenging, including epoxies, BMI, thermoplastics, carbon fiber, glass fiber, and more. Programming, simulation, optimization, and diagnostics are performed through Ingersoll proprietary software.

**Hawk™**'s size and configuration can be easily tailored and optimized to fit your process and meet your end-user needs.

#### **Configuration:**

- 8 to 32 tow varieties (1/8", 1/4", or 1/2" wide)
- Multiple modules automatically exchanged and operated to increase the productivity of your layup process
- Siemens 840D SL CNC
- Ingersoll proprietary software for programming, simulation, optimization and diagnostic.

#### **Sector:**

- Aerospace
- Naval

**Ingersoll Machine Tools, Inc.**  
707, Fulton Avenue  
Rockford, 61103 Illinois  
USA  
Tel. +1 815 987 6000  
info@ingersoll.com

