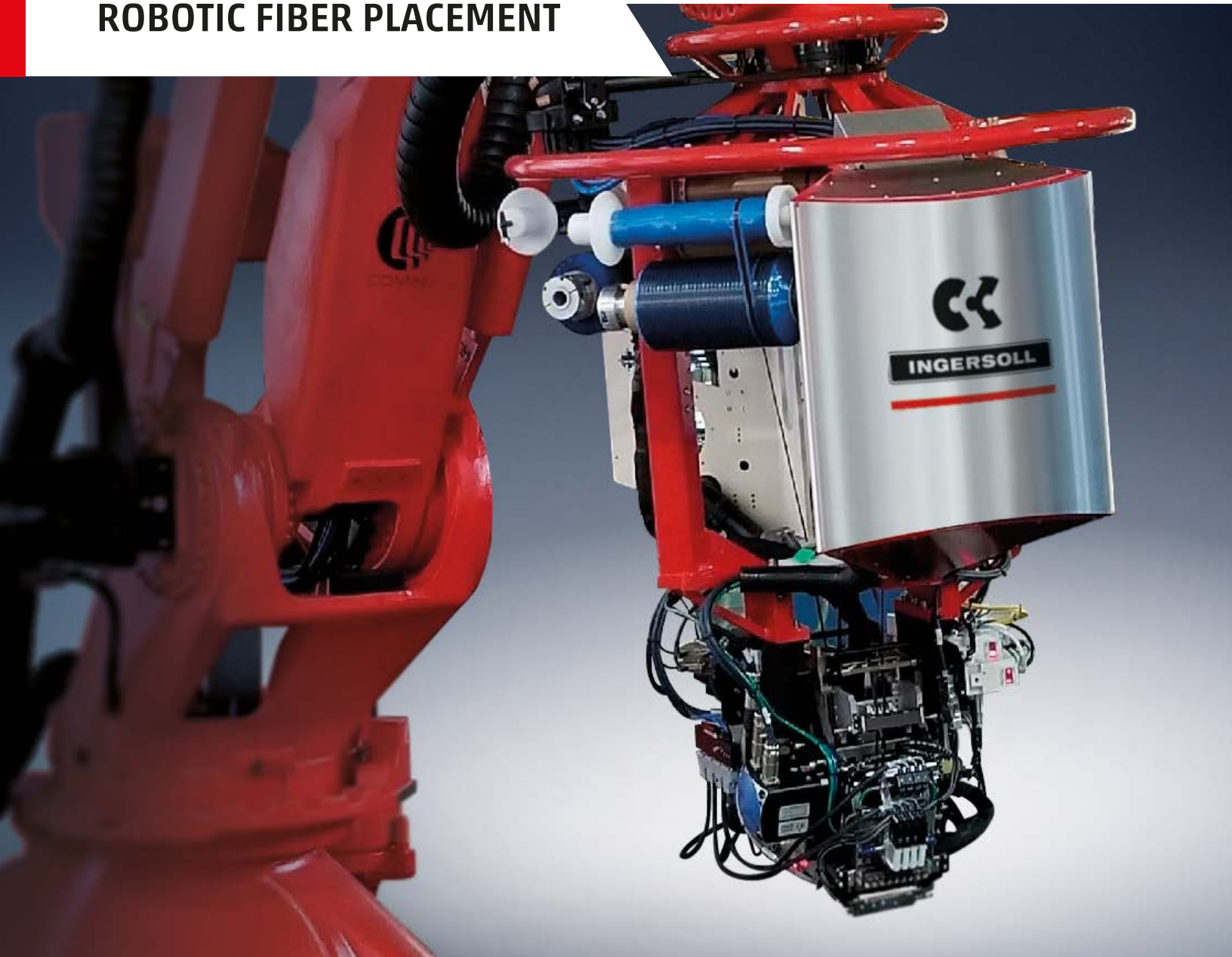




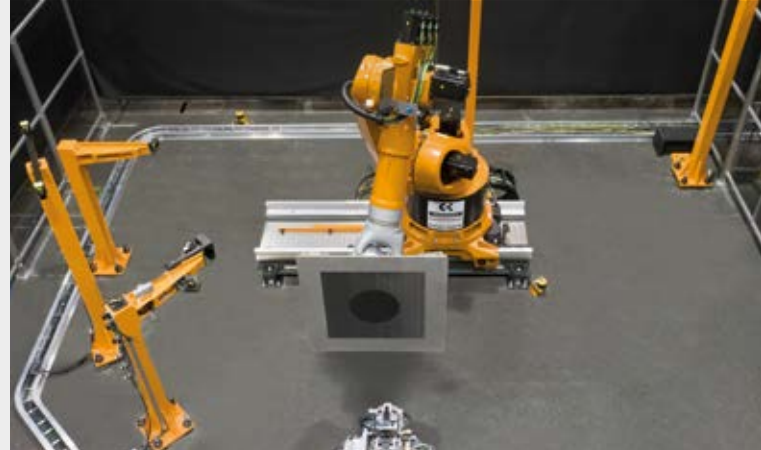
INGERSOLL

Machine Tools

ROBOTIC FP™ ROBOTIC FIBER PLACEMENT



ROBOTIC FP™



Robotic FP™ is **Ingersoll Machine Tools'** robotic solution for mid-size, complex geometry, composite layup. With its unique bundle of large working volume and extremely compact deposition heads, **Robotic FP™** is the equipment of choice to lay up tight female parts and complex geometry male tools.

Robotic FP™ 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.

Robotic FP™ comes with the well-known Siemens 840D SL CNC – an industry standard that is both easy to operate and easy to maintain. Programming, simulation, optimization, and diagnostics are performed through Ingersoll proprietary software.

Configuration:

- Available in both in direct and reverse kinematic configurations from 6 to 8 axes
- Available in 4 to 32 tow varieties (1/8", 1/4", 1/2" wide)
- Hybrid version: add to fiber placement also tape laying, trimming and automated inspection
- Size and configuration can be easily tailored and optimized

Sectors:

- Aerospace
- Naval

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

