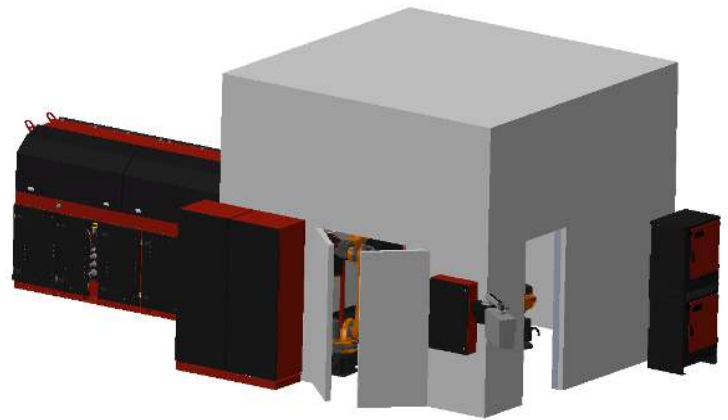
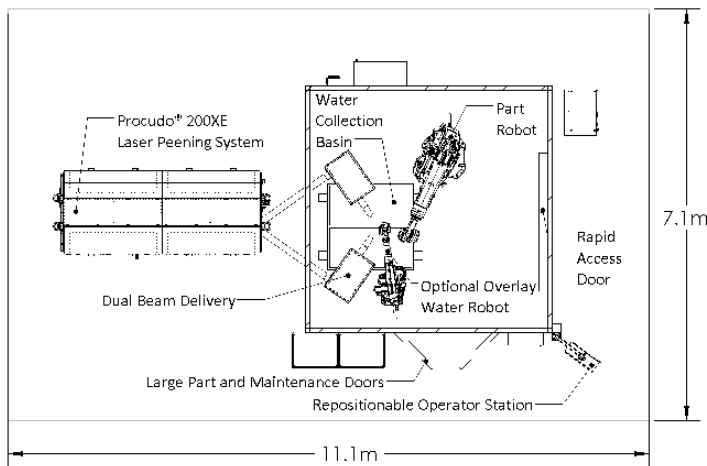




Laser Peening Solutions for The Aerospace Industry

Specifically tailored for medium-high volume airfoil production, the Procudo® Airfoil LSP Cell enables you to bring critical LSP fatigue life solutions in-house. Transportation costs, buffer inventories and logistics delays are eliminated when the Laser Peening process is integrated with the airfoil manufacturing process. The Airfoil LSP Cell combines the industry's highest average power laser peening system with robotic manipulation, overlay management, integrated safety, and process control in a compact footprint that can be easily customized for your application and integrated into your manufacturing processes.



Material	Compressive Stress at Surface	Depth of Compressive Stress (200 W)	Throughput Dual Beam (200 W)	Throughput Single Beam (200 W)
Steel (4000 Series)	-710 MPa	2.5 mm	10.7 mm ² /sec (x2)	23.4 mm ² /sec
Titanium (Ti-6Al4V)	-1300 MPa	2.1 mm	24.2 mm ² /sec (x2)	51.5 mm ² /sec
Aluminum (7000 Series)	-400 MPa	3.4 mm	108.5 mm ² /sec (x2)	230.3 mm ² /sec

Standard Features
200 W average power
Dual-sided processing
Robotic part manipulation
Integrated safety systems
Overlay water management
LSP process control

Utilities
The Procudo® Airfoil LSP Cell operates on a wide range of three-phase power commonly found in industrial facilities across the world. Compressed air and overlay water supply are the only other utilities required to install a system.

Configurable Features
Part handling
Blade preparation station
Overlay water recycling
Compressed air system
Chilled water systems
IoT integration