

PENDULUM UPPER HEAD **DRILLING & FASTENING SOLUTION**

Ascent Aerospace is a leading provider of tooling systems, factory automation and integration services for the aerospace, defense and space industries.

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PENDULUM UPPER HEAD: DRILLING & FASTENING SOLUTION

FEATURES

- Clearance: Up to 3" upper tooling clearance
- Clamp Force: 100 to 1,000 lbs. (programmable)
- Spindle speed range: 3,000 RPM – 18,000 RPM
- Upset Force: 20,000 Lbs. maximum upset force
- Tool Holder: Collet interface
- Materials: CFRP & Metallic capable
- Fastener Capabilities: Solid rivets and 2 piece fastening

BENEFITS

- Current & Future Aero-structures Ready Dual sided applications for both metallic & composite structures
- Cost Simple, low-cost platform for a multitude of different applications
- · Higher productivity for airframers:
 - High quality installed fasteners
 - · Quick fastening rates
 - Unmatched reliability
- Unique upper head design with high-speed drill spindle
 - optional straight down sealant or camera positions
- Fasteners Variety of fasteners, including interference-fit pins
- Configuration 2- or 3- positions on upper head (depending on application needs)

