Regional collaboration and catalyst
for aerospace development
RCBI AERO at Marshall University is working to enhance a dynamic and innovative aerospace industry in the Tri-State region of West Virginia, Kentucky and Ohio. From championing high-tech innovators to supporting world-class titans of the industry, RCBI AERO is committed to expanding the aerospace footprint through supply chain development, specialized workforce training, access to state-of-the-art technology and by creating funding opportunities to support the latest aerospace innovation.

RCBI AERO provides customized training, innovative workforce solutions, engineering services, technical assistance and access to advanced manufacturing technology to aerospace innovators of all sizes, from Fortune 500 companies to small businesses and entrepreneurial startups. Through workforce development and training initiatives designed and delivered by RCBI, nearly 24,000 individuals across the United States have improved their technical skills.

- $20 million in high-tech manufacturing equipment
- More than 650 years of industry experience
Advanced Technology

- EOSINT M280 Direct Metal Laser-Sintering for 3D Metal Printing
- Fortus 900mc 3D Printer Production System
- Fortus 250mc 3D Printer Production System
- Z Corporation 450 3D Color Printer
- Dimension 3D Printer
- LulzBot TAZ 5 Desktop 3D Printer
- MakerBot Replicator 2 3D Printers
- Mori Seiki 6-axis Machining Center
- Okuma 5-axis Machining Center
- 4000-watt Laser Cutter
- 3- and 4- and 5-axis CNC Machining Centers
- Swiss Turn CNC Machining Center
- 2- and 4-axis CNC Turning Centers
- Turning Center with Live Tooling
- CNC Machining Mill/Turn Center
- High Precision, CNC Hydraulic Press Brake
- CNC Abrasive Water Jet Cutters
- Wire EDM
- Instron Tensile/Compression Tester
- 5-axis High Speed CNC Router
- 625 sq. ft. Cleanroom
- FARO Arms for Reverse Engineering and Inspection
- HandyScan for Reverse Engineering

Registered 3D Printing Apprenticeship
- CAD/CAM Software
- Basic and Advanced PLC
- Machinist Technology/CNC Program
- Welding Technology Program
- Robotics
- Blueprint Reading
- Precision Measurement Tools
- Geometric Dimensioning and Tolerancing
- Basic and Advanced FARO Arm & CAM2 Measurement
- Safety and Health Topics
- Fundamentals of Quality Assurance
- Emotional Intelligence or EQ
- Continual Process Improvement (incl. Six Sigma)
- Lean Enterprise
- Conducting a Successful Kaizen Event
- Transitioning to ISO 9001: 2015
- Understanding the Requirements of ISO 9001 / AS9100 / TS16949
- Internal Auditor Training for ISO 9001 / AS9100 / TS16949
- Risk Management
- Integrated Management System (QMS, EMS, OHSAS)
- Introduction to Root Cause Analysis, Corrective Action & Preventive Action
- Incident Investigation Training with Root Cause Analysis, Problem-Solving & Corrective Action
- ISO 9001 Lead Auditor Training
- ISO 14001 Environmental Management System
- Requirements & Implementation
- Requirements & Implementation

Customized Aerospace & General Training

- Machinist Skills/CNC Operation
- Registered Machinist Apprenticeship
- Registered Welding Apprenticeship
West Virginia is home to a robust and growing aerospace industry, bolstered by extensive air, water, rail and highway systems, tax incentives, a readily available workforce and a low cost of living.