

SPECIALTY FABRICATION

ABOUT IBIS TEK

Ibis Tek is a small business specializing in the design and manufacture of tactical vehicle equipment for military applications. In addition to tactical vehicle accessories, Ibis Tek manufactures transparent armor, security vehicles and sophisticated electronics for weapon systems and robotics. Our strong history in innovation and quick response of technical solutions to meet urgent needs of the military have been paramount to our success.



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DEFENSE | PROTECTION | INNOVATION



Aluminum | Armor | Steel | Specialty Metals | Composites | Resins



EXPERIENCE YOU CAN COUNT ON.

For over a decade, Ibis Tek has partnered with OEMs and the US Government to provide high quality fabricated products. We have the experience and facilities to develop prototype parts and transition to full scale production in the shortest time possible to meet demanding customer schedules..

Primary Equipment List

MACHINING

Ganesh Vertical Mills	(1) 22" width x 12.6" depth x 20" height (2) 22" width x 15.75" depth x 20" height (2) 49" width x 24" depth x 27" height
Haas Vertical Mills	(1) 40" width x 26" depth x 25" height (4) 30" width x 16.25" depth x 20" height
Ganesh Manual Vertical Mills	(2) 30" width x 13" depth x 15.9" height (1) 27" width x 14" depth
Sharp Manual Vertical Mills	(2) 25" width x 11.5" depth x 5" height
Haas Horizontal Mills	(1) 20" width x 20" depth x 20" height (2) 20" width x 18" depth x 14" height
DMS 5 Axis Prototype Mill	(1) 222" width x 82" depth x 54" height
Haas Lathes	(1) 14" width x 11" depth (1) 34" width x 11.3" depth
Haas Lathe w/ Bar Feeder	(1) 34" width x 11.3" depth
Haas CNC Lathe	(2) 48" width x 16" depth
Sharp Lathe	(1) 60" width x 8.75" depth

CUTTING

Mitsubishi Laser	(2) 120" width x 60" depth
Mitsubishi Water Jet	(2) 144" width x 66" depth
US Industrial Shear	(1) 120" width
SOCO Chop Saw	(1) 6" width x 5" height
Rockwell Band Saw w/ Welder	(1) 24" width x 20" depth
Behringer Horizontal Band Saw	(1) 18" width
Pertici Saw	(1) 84" width x 10" depth

FORMING

Standard Press Brake	(1) 120" width x 60" depth 250 ton
AccurPress	(1) 102" width x 24" depth 130 ton
Pedrazzoli Automatic Tube Bender	(1) 1.65" x 0.1" depth
Taurin Pyramid Plate Roll Bender	(1) 0.25" - 5.5" width
SAF Curatrici Pipe Bender	(1) 0.25" - 3" width
Ineco Pipe Bender	(1) 3" width x 0.125" depth x 15.75" height
Rotary Draw Tube/Pipe Bender	(1) 3" width x 0.125" depth x 15.75" height

WELDING

Genesis Robotic Welding Cell	(2) Fronius Welders 48" width x 36" depth
Motoman Robot Welding System	(1) 24" width x 24" depth
Motoman Dual Robot Welding	(1) 84" width x 24" depth
Miller Welders	(6) Mig Welders (9) Tig Welders



Continuous investment in the latest cutting technology has led to high volume 24/7 cutting capacity.



Custom fixtures and jigs are developed in-house to ensure repeatability in fabrication and delivery of quality products.



Machining cells and robotic welding cells are employed to maximize efficiency.

Our skilled labor force and vertically integrated manufacturing facilities combine to create repeatable value to our customers. Whether it is a quick turnaround prototype part, production order or temporary outsourcing due to capacity, we have the experience and dedication to get the job done.

WELDING

AWS D1.1, D1.2
We understand the importance of welding to the Ground Combat Vehicles specification. Our welders maintain certification for the Structural Weld Codes per American Weld Standard (AWS) D1.1 – Steel, D1.2 – Aluminum. And, our resident Certified Weld Inspector ensures the processes and personnel are accountable to the code.

COATING/FINISHING

Anodize, Chromate Conversion, Powder Coat, CARC
Our turnkey 60,000 square foot coating facility offers the latest treatment technologies and is in close proximity to Ibis Tek fabrication facilities. The facility maintains various finishing certifications and has become a valued coater to several Commercial and Government customers.

QUALITY ASSURANCE

ISO 9001:2008
When manufacturing products for the defense industry, it is critical to maintain accuracy, process control and documentation. Our experienced quality control team and ISO 9001:2008 certification ensure processes are controlled and the quality requirements of each program are tightly managed.

ENGINEERING

Ibis Tek engineers are actively involved in the rollout of a new product to the production team. Whether it is build to print or a newly designed product, our engineers are committed to supporting manufacturing to ensure the product is fabricated to meet the design intent.

PROGRAM MANAGEMENT

We know how critical it is to meet your customer delivery schedules. We have PMI PMP® Certified Program Managers on staff that are process-driven to deliver high quality products on-time.



Industry leading capabilities – virtually everything done in-house.