



FCX
SYSTEMS

Engineered for Endurance
MADE IN THE USA SINCE 1987



FCX Systems, Inc., a leading manufacturer of frequency converters based in Morgantown, WV, has expanded its operations to accommodate metal fabrication capabilities in-house.

Our 4,000-square-foot facility with state-of-the-art equipment allows FCX to achieve maximum productivity with a faster turnaround.

Our highly-skilled and professionally trained staff are certified and proficient with:

- CNC Laser
- Plasma Cutter
- Hydraulic Press Brake
- Turret Punch
- Complete Powder Coating System



FCXtreme 400 case enclosure was designed, fabricated and finished at our facility

FCX Systems has been serving the military, commercial, and industrial markets since 1987. Our knowledgeable, experienced sales staff is waiting to review your requirements and specifications. Please call us at **(304)983-0400** or submit your inquiry via email to **sales@fcxinc.com**. We are eager to provide your solution.



Amada – HRB 2204 ATC - Press Brake with Automatic Tool Changer

- 243 ton
- Max. bend length: 169.3"
- Bending speed: 0.47 inch/sec.
- Approach speed: 4.72 inch/sec.
- Return speed: 4.72 inch/sec.
- Engineered for variable lot sizes and automated tool settings
- Automatic tool changer (ATC) stores up to 112.8' tool capacity, 18 punch stockers, & 25 die stockers
- The ATC can load most complex tool setups within 3 minutes



Amada – ENSIS 3015 AJ Fiber Laser 6000 & AMS 3015 CL- Fiber Laser with Automatic Tool Changer

- Max. sheet size (X, Y): 120" X 60"
- Max. axis travel (X, Y, Z): 121" X 61" X 3.93"
- Max. axis positioning speed (X, Y): 4.724"/min. per axis
- Max. speed Z axis: 4.724"/min.
- Max. material weight: 2,000 lbs.
- Max. material thickness: mild steel 1", stainless steel 1", aluminum 0.750"
- Laser Power: 6kW
- Repeatability: +/-0.0002"
- Next material preparation time: 22Ga – 10Ga.....55 seconds, 6Ga – 0.50".....90 seconds, 0625" - 1.00"....180 seconds
- Material Size: Max. 5' X 10', Min. 1.1' X 3'
- Max. material stack height: 7.5" (including skid)
- Max. finished part stack height: 9.25" (including skid)
- Automated material loading



Amada – EM K 3612 M2 – Turret Punch Press

- 33 ton
- Max. sheet size: 20' X 5'
- Max. processing window (without repositioning): 10' X 5'
- Max. sheet weight: 330 lbs.
- Max. sheet thickness: 0.187"
- Punching accuracy: +/-0.004"
- Punching hit rate: X: 500 hpm/Y: 300 hpm
- Nibbling hit rate: X: 745 hpm/Y: 410 hpm
- Marking hit rate: 1,800 hpm
- The highest real-world hit rates and ram positioning accuracy



Product Finishing

Our new metal fabrication system gives us the capabilities to media blast, prep, paint and powder coat components up to 12' X 12' X 20'.