



Glastonbury, CT 06033 • 888-422-2647 • www.habco.biz



# Capability Statement

## BUSINESS SUMMARY:

HABCO is a woman-owned small business located in Glastonbury, Connecticut. For 40 years, HABCO has designed innovative ground support equipment and test equipment for the military and commercial aerospace industry. Our extensive variety of products test aircraft and engine components to ensure that they meet all safety and performance standards. HABCO is the OEM manufacturer of a varied line of Ground Support Equipment and test stands suitable for use in Operational, Intermediate and Depot-level maintenance and repair facilities.

## CAPABILITIES

HABCO provides off-the-shelf support equipment for helicopters and other aircraft applications including fuel system pressurization testers, transmission oil servicing units, tire inflation safety cages, rotor blade de-icing equipment, and hydraulic carts. HABCO also provides off-the-shelf air flow and vacuum test equipment for a wide variety of aircraft engines. In addition to these products, HABCO designs and manufactures custom-built test equipment to meet the unique needs of customers. Such custom-built items include air flow, fuel nozzle, actuation, hydraulic, and oil flow test stands. HABCO provides aftermarket services including spare parts, repairs, upgrades, and calibration for every piece of equipment that it sells.

## FACILITIES AND EQUIPMENT:

A Full welding and fabrication department including a Wysong 7-120 shear, Allsteel press brake 95T-10, 4 weld stations with both MIG and TIG capability (Our welders are certified to AWS D2001), Automated Plasmacam Model DHC2 plasma cutter, Spartan Ironworker, Band saw, A large capacity Paint spray booth, electrical assembly and test facilities and tools used for power panel and cable assembly (Our solderers are certified in J-STD-001 soldering), a Calibration Airflow Laboratory offering Mass Flow and pressure calibration services (Calibrations are in accordance with ANSI/NCSL Z540-1-1994, and all standards used during calibrations have certificates traceable to NIST).

Our machine shop is equipped with a 3 axis CNC controlled bed mill, Victor 1630 lathe, Bridgeport J series Knee mill, K# prototrak 2 axis CNC knee mill, Millport surface grinder, and various other associated metal cutting equipment.

## EXPERTISE:

We have expertise in mechanical assembly including pipe fitting, pneumatic assembly, hydraulic assembly, and electromechanical component assembly.

We also have expertise in software and control programming including programming various Programmable Logic Controllers (PLC), C programming using Microsoft Visual Studio, National instruments Lab/Windows – CV, and Labview. Design to industry standards such as: NEC, CE, NFPA (fluid) and B31 among others. Use of AutoCad, Solidworks and COSMOS for 2 & 3D design and FEA.

## CUSTOMERS:

Major customers include Pratt and Whitney, Sikorsky Aircraft Company, United States Army Aviation and Missile Command, and NASA.

## SUMMARY

HABCO's expertise and capability extends from our extensive line of standard products to the design and manufacture of unique, special purpose, and build-to-print test and support equipment. Our customers return to us because of our commitment to quality, timely delivery and follow-on customer support. HABCO has embraced Lean Manufacturing, and that philosophy pervades our entire operation. Total customer satisfaction is the core value that drives our business. In 2010 HABCO expanded into a state-of-the-art 50,000 square foot facility that further enhances our ability to meet all of our customers' needs.

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## **Certifications:**

**HABCO is certified ISO9001:2000 and AS9100 by STR-Registrar, LLC and is expert in Design, Manufacture, and Service of Test Equipment and Maintenance Overhaul Equipment for Aerospace and General Industries.**