Mooney International Corporation

165 Al Mooney Rd North
Kerrville, Texas

Capabilities, Equipment & Services

MOONEY

History

- In 1946 brothers Al and Art Mooney founded Mooney Aircraft Corporation in Wichita, Kansas



Al Mooney



Mooney Mite

- In 1953 the company moved to Kerrville, Texas and since then has produced about 11,000 aircraft from that factory.

Facility

- Over 277,000 total square feet located on Kerrville Municipal Airport
- 55 miles Northwest of San Antonio, Texas



Certifications

- IS9001:2015
- AS9100D
- FAA Production Certificate



PERRY JOHNSON REGISTRARS, INC.

Certificate of Registration

Perry Johnson Registrars, Inc., has audited the Quality Management System of:

Mooney International Corporation
165 Al Mooney Road North, Kerrville, TX 78028 United States

(Hereinafter called the Organization) and hereby declares that Organization is in conformance with:

ISO 9001:2015 and AS9100D

This Registration is in respect to the following scope:

Design and Manufacture of General Aviation Aircraft and Aircraft Parts

(The assessment was performed in accordance with AS9104/1-2013. PJR is accredited under the IQNet scheme)

This Registration is granted subject to the system rules governing the Registration referred to above, and the Organization hereby covenants with the Assessment body duly to observe and comply with the said rules.

Terry Bologna

Terry Bologna, President
Perry Johnson Registrars, Inc. (PJR)
755 West Big Beaver Road, Suite 1340
Troy, Michigan 48084
(248) 358-5388

The validity of this certificate is dependent upon ongoing surveillance.

First Cert. Date	Issuance Date	Expiration Date	Certificate No.
July 11, 2015	October 18, 2017	July 10, 2018	C2015-01523-R2

MOONEY

Capabilities

- Sheet Metal
- Machining
- Composites
- Vacuum Formed Plastics
- 3D Printing
- Welding
- Alodine, Prime and Paint
- Upholstery
- Assembly
- Tooling
- Electrical Wire Harnesses
- Aluminum Heat Treat



MOONEY

Equipment

- Sheet Metal Forming
  - **Hydraulic Presses**
    - Hydro/Rubber-Press 2500 ton 38” x 69” x 10” deep
    - Hydro/Rubber-Press 600 ton 24” x 40” x 9” deep
  - **Press Brakes**
    - CNC Brake - Accupress Edge Model 412012 (12ft) 120 ton
  - **Skin Stretch Presses**
    - 48.00” jaws 150 ton
    - 65.00” jaws 300 ton
  - **Drop Hammers**
    - Five Drop Hammers ranging from 24” x 30” to 48” x 60”

- Sheet/Plate Sizing & Cutting
  - **Punch Presses**
    - 125 ton 30”x40” manual punch press
    - 50”x50” AMADA PEGA 357 CNC Turret press
  - **CNC Water jet**
    - Flowjet Mach 3



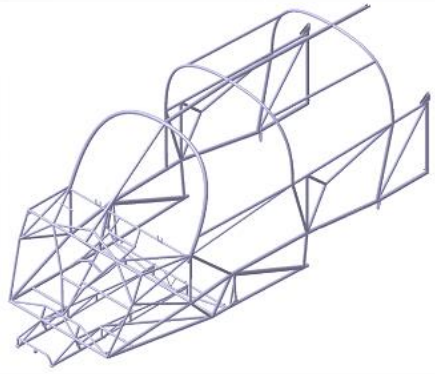
MOONEY

- Machining
  - **Mills**
    - Two 3 axis and Two 4 axis CNC vertical mills, ranging from 22” x 16” x 15” to 78” x 31” x 20”
    - Two Bridgeport mills
    - Two horizontal mills
  - **Lathes**
    - Five manual lathes
    - Haas CNC SL-20 lathe



MOONEY

- Welding
  - **Welders**
    - Sciaky spot welder
    - 16 Tig welders



- Aluminum Heat Treat
  - **Heat Treat**
    - AMS2750 Class 2 Type C Drop bottom aluminum heat treat furnace
      - Load space 72.0” x 72.0” x 72.0”
      - Load Capacity 500 lbs.
      - 1 EA: water quench tank
      - 1 EA: water/ glycol quench tank
      - 1 EA: rinse tank for glycol removal
  - **Age**
    - Walk in oven (400 degrees)
  - **Freezers**
    - Two large freezers

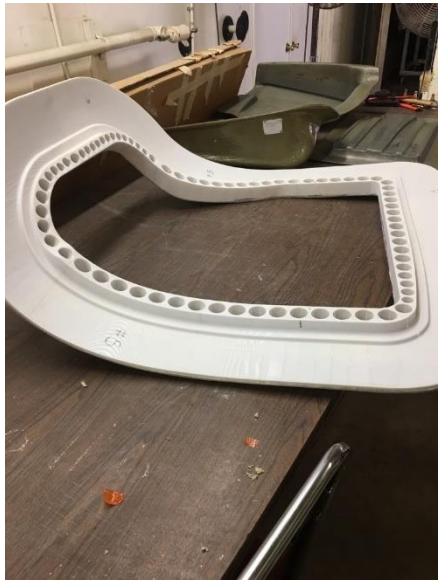


MOONEY

- 3D printer
  - **FORTUS 900mc**
    - 36x24x36 in build size
    - Multiple material types
      - ASA, ULTEM, ABS, PC, FDM







MOONEY

- Composites
  - **1400 sq. ft. clean room**
    - 6’x24’ Gerber Ply cutter
  - **1200 sq. ft. trim room**
  - **Two curing ovens**
    - 10’x24’x10’ (WxLxH)
      - Max cure temp 350
    - 6’x10’x6’ (WxLxH)
      - Max cure temp 300
- Plastics
  - **Forming machines**
    - Two vacuum forming machines ranging from 24” x 24” to 48” x 96”
  - **Oven**
    - Walk in 350+ degree oven





MOONEY

- Process Line
  - **Chemical Conversion Coating line**
    - Chem-Film line (MIL-DTL-5541)
      - Tank size 13.5’ x 3.5’ x 5.0’
      - ALKALINE 4215
      - TURCO DEOXIDIZER 6
      - ALODINE 1200S
- Other processes
  - **Abrasive blast**
  - **Vibratory deburr barrel and tub type**
- Prime and Paint
  - **Complete detail part spray booth**



MOONEY

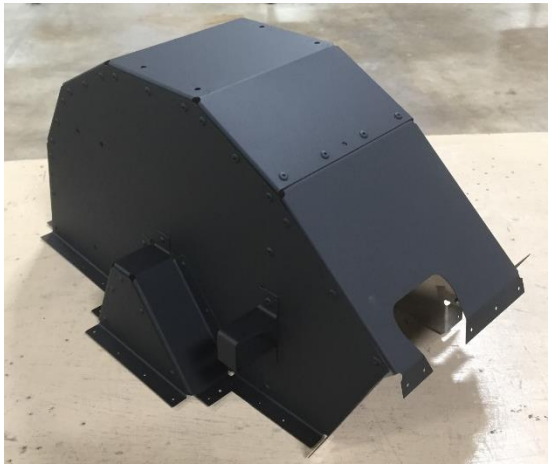
- Upholstery
  - **Sewing machines**
    - Four commercial machines
    - Button machine
    - Karpet King serger
  - **Cutting**
    - Two layout tables
    - 3 ton 18” x 36” cut press
- Electrical Wiring
  - **Tester**
    - Cable-scan EHT 1000
  - **Crimpers**
    - Three terminal crimpers
  - **Cutting**
    - Spectrum and Laser auto cutter/markers



MOONEY

- Assembly/Sub-assembly
  - All hand tools required to complete assembly operation (riveters, shears, hand drills etc.)
  - Space – room to expand

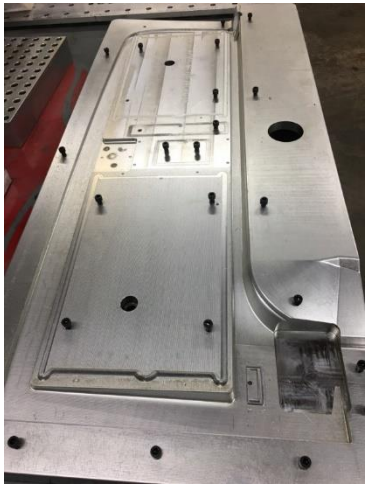




MOONEY

Tooling

- In house tool design
- Skilled Toolmakers
  - Capable of creating complex molds and assembly fixtures



Layup Molds



Weld jigs



Hydro-form Blocks



Bond/assembly Jigs

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