**DEPARTMENT OF THE AIR FORCE**
**97TH AIR MOBILITY WING (AETC)**
**ALTUS AIR FORCE BASE OKLAHOMA**

24 February 2026

MEMORANDUM FOR 97 MX/MXOPB

FROM: 97MXS/MXMFS

SUBJECT: CNC 3 Axis Milling Center

Fabrication Flight requires a CNC 3 axis vertical milling center to keep pace with the evolution of future aircraft construction designs and legacy airframes. [redacted]

Specifications:

1. Must have table dimensions 52" X 19.5" x 1750 lb. max load
2. Must have spindle nose to table Min/Max 4.2"-29.2"
3. 30 Hp vector drive, 12000 RPM, 89ft-lb 2000 RPM, inline direct drive
4. Electronic thermal compensation to compensate for the expansion and contraction of each linear axis.
5. Must have 40 taper spindle.
6. Must have travel rating of 1400 IPM rapids for X, Y, and Z axis'.
7. Must have 833 IPM max cutting speed.
8. 55-gallon coolant system minimum
9. Must have power input of 480V, 3Phz.
10. Must have the following options: high intensity lighting, chip auger, programmable coolant nozzle, 4th axis drive, coolant maintenance package, coolant sanitizer, through spindle coolant, through tool air blast, wireless probing, Wi-Fi camera, coolant filter.
11. Max machine footprint: 125"L x 93"D x 122" H.

[redacted]

[redacted]