

PRECISION CNC MACHINING FOR AEROSPACE & DEFENSE

RIGID CONCEPTS, LLC — VAN ALSTYNE, TEXAS

5-axis machining of exotic alloys for aerospace, defense, and space hardware — build-to-print, tight-tolerance, fully traceable. Established 2009. Licensed engineering firm and machine shop under one roof.

01 CORE COMPETENCIES

5-axis CNC milling — complex, multi-datum geometry machined in a single setup

3- and 4-axis milling, CNC turning, and mill-turn for prismatic and rotational parts

Tight-tolerance bores, bearing seats, and interface machining for precision mechanisms

Prototypes, engineering development units, and low-rate production — quoted by the part

Engineering support: DFM review, fixturing, and process development in-house

02 MATERIALS

Aluminum alloys — 6061, 7075, 7050, 2024

Titanium (incl. Ti-6Al-4V) — flight-grade structural and mechanism hardware

Stainless steels — 17-4PH, 15-5PH, 303, 304 — plus superalloys (CRES, Inconel)

Alloy & carbon steels — 4140, 4130, 4340, and high-strength steels

Copper & yellow metals — tellurium copper (C14500) a specialty; copper, brass, bronze

Engineering plastics — material certs and full lot traceability on all controlled work

03 QUALITY & COMPLIANCE

ISO 9001:2015 certified quality management system

In-house CMM and dimensional inspection — first-article inspection (FAI), CoC

ITAR-registered (U.S. Dept. of State DDTC); U.S.-person workforce for controlled work

Controlled technical data handled to CUI/ITAR requirements

04 WHY PRIMES & CONTRACTING OFFICERS PICK US

Single-source path from raw stock to machined, inspected, documented deliverable

SDVOSB + VOSB + ITAR + ISO 9001 in one supplier — subcontracting-plan credit that counts (only SBA-certified SDVOSBs qualify under FAR 52.219-9 since Dec 2024)

SDVOSB set-aside and sole-source eligible (FAR 19.14 / 19.1406)

VENDOR DATA

CAGE CODE

960Q7

UEI

YKBYRWCBFDM5

SAM.GOV

Registration active

PRIMARY NAICS

332710 — Machine Shops

ADDITIONAL NAICS

332721 · 332912 · 332994

332999 · 336412 · 336413 ·

336992

CERTIFICATIONS

SDVOSB & VOSB (SBA VetCert)

ISO 9001:2015 · ITAR registered

LOCATION

Van Alstyne, TX 75495 · est. 2009



POINT OF CONTACT

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