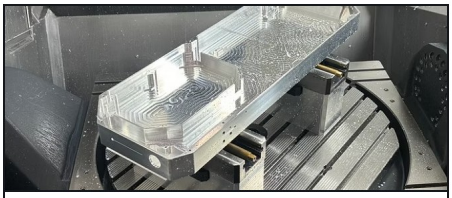
Madison Defense Research LLC

5-axis, mill-turn & wire EDM for aerospace & defense — prototype through low-rate production.

01 — EQUIPMENT

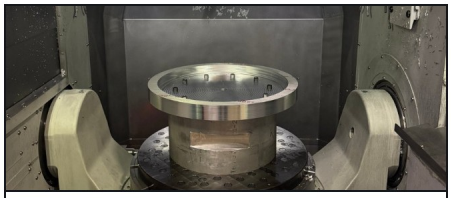


DMG MORI

DMU 95 monoBLOCK

Simultaneous 5-axis milling

Max part	Ø 40.9 × 23.2"
Travels	37 × 33 × 25"
Part weight	to 2,200 lb

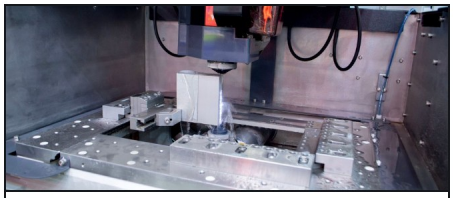


DN SOLUTIONS

DVF 6500T

5-axis mill-turn

Max part	Ø 33.1 × 19.7"
Travels	29 × 30 × 23"
Part weight	to 1,320 lb



MITSUBISHI

MV2400S

Wire EDM

Max part	41 × 32 × 12"
Taper	15° at 10.2"
Part weight	to 3,300 lb

02 — CAPABILITIES

5-Axis Milling
Multi-face parts in one setup, to Ø 40.9".

Mill-Turn
Turning to Ø 30" plus 5-axis milling.

Wire EDM
For parts off our mills only — no wire-only work.

CAM Programming
All work programmed in Siemens NX.

Outside processing — finishing, heat treat & special processes via our trusted partner network.

03 — PARTS WE MACHINE

Turbomachinery | **Structures** | **Enclosures** | **Heat Shields** | **Propulsion** and more

04 — MATERIALS

A sample of what we cut — not a limit. Ask about your alloy.

Aluminum 6061 · 7050 · 7075 · 2024

Titanium Ti-6Al-4V · CP

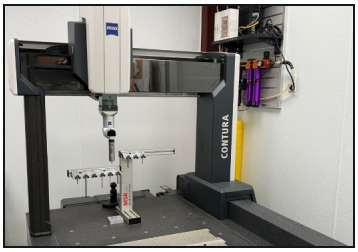
Stainless 17-4 PH · 304 · 316

Nickel alloys Inconel 718 · 625

Steels 4140 · 4340 · tool steel

Customer supplied AM

05 — QUALITY & COMPLIANCE



Standard tolerance	to .001"
Holes	to .0005"
Inspection	Zeiss Contura CMM · Calypso
Dynamic balancing	to 2 g·mm · Ø 16" / 30 lb
Gov't invoicing	WAWF / PIEE

ITAR Registered

JCP Certified

AS9100

CMMC L2 Self-Assessed

CAGE	UEI	PRIMARY NAICS	MARKETS
977R5	NR87NJDS33M5	332710	Aerospace & Defense

211 Moravian Valley Road, Waunakee, WI tjh@madmfg.com | 608-332-4769 | madmfg.com