

# MANUFACTURING

## MISSION CRITICAL PRECISION



**>> PRECISION PERFECTED**  
WITH ONE-OFF TO HIGH VOLUME  
MANUFACTURING

At Sidus, we seamlessly blend the expertise of skilled engineers, expert technicians, and state-of-the-art equipment to enhance your precision machining, fabrication, and assembly requirements. From crafting prototypes and managing low-rate initial production to executing high-volume Swiss screw machining, Sidus is your dedicated partner in precision and innovation.

### DISCIPLINES

- » AS9100D
- » Commercial
- » Defense
- » Satellite



### >> CORE COMPETENCIES

#### PRECISION MACHINING

- » 3,4, 5-Axis Milling
- » 4-Axis EDM
- » 5-Axis Mill Turning
- » 7-Axis Swiss Turning
- » AWS Certified Welding
- » CMM, VCM Quality Inspection
- » Composite and Metal 3D Printing
- » Waterjet Cutting

### WHY PARTNER WITH SIDUS SPACE

We have over a decade of proven space flight heritage and space qualification experience in design, development, test and certification of space hardware, software, and manufacturing. We are experienced in mechanical and electrical flight hardware for satellites, the ISS, and other space assets.

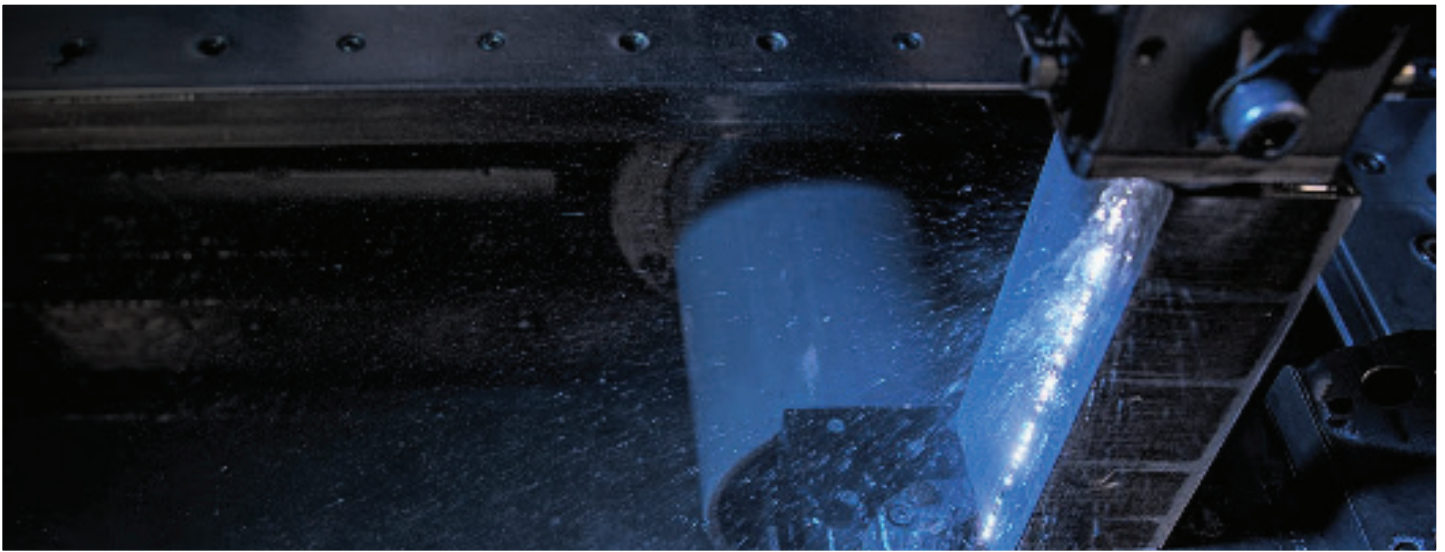
#### ASSEMBLY AND TEST

- » Fiber Optics
- » Flight Ground Cables and Wire Harnesses
- » Ground Support Equipment
- » Manned Spaceflight Rated Hardware
- » Part Task Trainer Hardware
- » Satellite Components

#### PROGRAM MANAGEMENT

- » Customer Requirement Compliance
- » Logistics and Configuration Management
- » Schedule, Resource and Budget Control
- » Supply Chain Management





### CERTIFICATIONS

- » AS9100D
- » AWS Welding
- » ISO9001:2015
- » J-STD-001-IPC
- » NAS STD 8739.4



MACHINE TYPE	MODEL	X (IN.)	Y (IN.)	Z (IN.)
3D Printer	Markforged, X7	12.99	7.87	9.84
EDM, Wire 4-Axis	Sodick AG600L	23.6	14.96	13.78
Lathe, CNC, 2-Axis	Okuma L400II-E	14	-	21
Lathe, CNC, 6-Axis, Multi-turn	Okuma LB3000EX	16.4 Dia.	-	39.76
Lathe, Manual	Hardinge HLV-	10	-	10
Lathe, Manual, Swing 24", 13" Gap	Clausing Mascot VS2000	13	-	32
Mill, CNC, 4-Axis - 2015	Kitamura 4XiF	40	20	20
Mill, CNC, 5-Axis - 2015	HAAS UMC-7509 (2 each)	30	20	20
Mill, CNC, 5-Axis - 2015	HAAS VF-3	4	26	32
Mill, CNC, 5-Axis	Mazak 510C-II	10	10	10
Mill, Manual, Vertical, 3-Axis	Laguna	33	16	12
Swiss Screw Turn Center, CNC - 2016	Tsugami, 7-Axis (2 each)	1.25 Dia.	-	12
Waterjet, 3-Axis, Tilt +/-9.0	Swiss Screw Turn Center, CNC - 2016	160	80	7

MACHINE TYPE	MODEL	DESCRIPTION
Welder/Cutter (Oxy Acetylene)	Victor Journeyman 315C	-
Welder, GTAW	Miller Syncrowave 350LX	GMAW, GTAW, SMAW
Welder, Multiprocess	Miller 350CC/CV	-
Welder, Water Cooled Resistant Spot	Miller SSW-2020ATT	-

MACHINE TYPE	MODEL	X (IN.)	Y (IN.)	Z (IN.)
CMM	Brown & Sharpe Global Performance 9.12.8	35.4	47.2	31.5
CMM	Brown & Sharpe Mistral 7.7.5	28.3	28.3	19.7
VCMM	Micro Vu Vertex 251JC	10	6	6