



Aerospace Manufacturing

Sidus provides engineers, technicians, and state-of-the-art equipment to support precision machining, fabrication, and assembly for prototypes test articles, one-offs, low-rate initial production up through high-volume Swiss screw machining production.



Disciplines Supported

- Aerospace
- Satellite
- Defense
- Commercial

Certifications

- AS9100D
- ISO 9001:2015
- AWS Welding
- NASA STD 8739.4
- J-STD-001-IPC

CAD/CAM Software

- Mastercam
- SolidWorks
- SiemensNX

About Sidus Space

Located in Cape Canaveral, Florida, our state-of-the-art facilities include 35,000 sq.ft. of precision manufacturing, electronics assembly, testing, and 3D printing equipment dedicated to space flight, aerospace, military and commercial applications.

Core Competencies

Precision Machining & Assembly

- CNC 5-Axis Milling & Multi-Axis Turning
- CNC Swiss Screw Machining
- CMM, VCMM Quality Inspection
- EDM Wire & Waterjet Cutting
- 3D Printing
- Welding

Mechanical/Electrical Assembly & Test

- Flight/Ground Cable & Wire Harnesses
- Ground Support Equipment
- Manned Spaceflight Rated Hardware
- Satellite Components
- Part Task Trainer Hardware
- Fiber Optics

Program Management

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

Why partner with Sidus Space

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



Machine Type	Model	X (in.)	Y (in.)	Z (in.)
Mill, CNC, 4-Axis - 2015 Mill, CNC,	Kitamura 4XiF	40	20	20
5-Axis - 2008	Mikron UCP 600, 7 Pallet Changer	23.6	17.7	17.7
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
EDM, Wire 4-Axis	Sodick AG600L	23.6	14.96	13.78
EDM, Drill	Current	16	12.6	
Waterjet, 3-Axis-Tilt +/- 9.0	OMAX 80X	160	80	70
Swiss Screw Turn Center CNC - 2016	Tsugami, 7-Axis (2 Each)	1.25 Dia.		12
Lathe, CNC, 6-Axis, Multiturn	Okuma LB3000EX	16.4 Dia.		39.76
Lathe, CNC, 2-Axis	Okuma L400II-E	14		21
Lathe, Manual	Hardinge HLV-	10		10
Lathe, Manual-Swing 24", 13" Gap	Clausing Mascot VS2000	13		32
Mill, Manual, Vertical, 3-Axis	Laguna	33	16	12

Machine Type	Model	X (in.)	Y (in.)	Z (in.)
CMM	Brown & Sharpe Mistral 7.7.5	28.3	28.3	19.7
CMM	Brown & Sharpe Global Performance 9.12.8	35.4	47.2	31.5
VCMM	Micro Vu Vertex 251JC	10	6	6

Machine Type	Model	Description
Welder/Cutter Oxy Acetylene	Victor Journeyman 315C	
Welder, Multiprocess	Miller 350CC/CV	GMAW, TIG
Welder, GTAW	Miller Syncrowave 350LX	
Welder, Spot Resistance	Miller SSW 2020 ATT	

