

Manufacturing

Machining, Assembly, Test, and Program Management



Sidus Space delivers precision-engineered hardware solutions for complex design, production, and testing needs. From component manufacturing to full system assembly, our team supports advanced mission planning with unmatched quality and reliability.

With over a decade of proven heritage in government, commercial, and space programs, we bring deep expertise in hardware and software development, testing, and certification, ensuring mission success from concept to launch.

Key Benefits

- » **Advanced Manufacturing Capabilities** - Precision machining, 3–5 axis milling, EDM, Swiss turning, AWS-certified welding, CMM/VCMM inspection, composite and metal 3D printing, and waterjet cutting
- » **Program Management Expertise** - Full-spectrum support including requirements compliance, logistics, configuration management, scheduling, budgeting, and supply chain coordination
- » **Software Proficiency** - Skilled in Mastercam, Featurecam, Partmaker, SolidWorks, and PC-DMIS (CMM) for efficient design-to-production workflows
- » **State-of-the-Art Facilities** - 35,000 sq. ft. manufacturing space, 900 sq. ft. Class-8 cleanroom, and full-stack space services with mission control capabilities

Capabilities

Precision Machining

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

Program Management

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



Heritage



U.S. Department of Defense



A Leidos Company



Everywhere you look



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Merritt Island, Florida, USA 32953

Satellite Production and Manufacturing Facility
400 West Central Blvd,
Cape Canaveral, Florida, USA 32920



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Machine Model Specifications

Machine Type	Model	X (in.)	Y (in.)	Z (in.)
3D printer	Markforged, X7	12.99	7.87	9.84
CMM	Brown & Sharpe Global Performance 9.12	35.4	47.5	31.5
CMM	Brown & Sharpe Mistral	28.3	28.3	19.7
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	Okuma LB3000EX	13.39	+2.76 -1.77	26
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, 3-Axis	HAAS VF3	40	26	32
Mill, 4-Axis	Mazak 510C-II	40	20	20
Mill, Manual, Vertical, 3-Axis	Laguna	33	16	12
Swiss Screw Turn Center, CNC - 2016	Tsugami, 7-Axis (2-each)	1.25 Dia.	-	B Axis 12
VCCM	Micro Vu Vertex 251JC	10	6	6
Waterjet, 3-Axis, Tilt +/-9.0	Omax 80X	160	80	7

Welding Model Specifications

Machine Type	Model	Description
Welder/Cutter (Oxy-acetylene)	Victor Journeyman 315C	-
Welder, GTAW	Miller Syncrowave 350LX	GTAW
Welder, Multi-process	Miller 350CC/CV	GMAW, SMAW
Welder, Water Cooled Resistant Spot	Miller SSW-2020ATT	-



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