



Welcome to SUMMIT AEROSPACE USA Inc.

Introduction & Overview 2020

Peter Ridgen
Sales Manager
570-839-8615 x2229
pridgen@hyperneticsltd.com
www.summitaerospaceinc.com

About SUMMIT AEROSPACE USA INC.

Since the early 1970's, SUMMIT AEROSPACE USA INC. (SAUI) has provided customers with superior milling and turning services as a contract machine shop. SUMMIT AEROSPACE USA INC. specializes in nickel-based super alloys such as Inconel 718, Waspalloy, Hastalloy, René 41, Nimonic Series and Titanium, along with all types of stainless steels and the more common commercial alloys. Primarily catering to the aircraft engine sector, SAUI's components can be found on many of the world's commercial and military jet and helicopter engines (hot and cold side). While providing our customers with cost effective solutions and on time delivery, SAUI has earned and maintains a reputation for excellence by providing the highest quality machined components to its customers through our commitment to quality and continuous improvement.

Through the years, SAUI has built a reputation for delivering innovative, trusted machining solutions helping our customers achieve new levels of productivity while continuing to expand our skills and services to meet emerging customer requirements. SAUI currently operates one shift which is staffed with craftsmen who are highly experienced and quality focused, and we have the ability to increase our capacity in order to meet additional demand and requirements from our customers.

Our state of the art 16,200 square foot facility is located in Mount Pocono, PA., strategically located just 95 miles west of Long Island NY. SAUI is AS9100D/ISO90010:2015 certified and has partnered with its sister company, Hypernetics – A Division of Plaintree Systems Inc. (www.hypernetics.com) as a resource in the Aerospace sector.





Capabilities of SAUI

Turning and Milling

With over 40 years' experience in turning and milling applications, SUMMIT AEROSPACE USA INC. (SAUI) is focused on excellence in machining services. Our equipment and technology are continuously updated and maintained to ensure that we give our customers the best advantage possible. SAUI has excelled in reducing cycle times using unique machining capabilities and solutions in order to increase our throughput, meet customer deadlines and offer competitive pricing. From prototype to high volume production, our machining capabilities and flexible shop environment allow us to quickly meet or exceed our customers expectations. SAUI is capable of machining components as small as 1/8", mill parts as large as 30 x 85" and turn parts as large as 39" diameter, and we regularly hold tolerances as tight as +/- .0002. Our equipment and expertise includes:

Equipment:

- 13 Okuma CNC Lathes (up to 33" swing)
- 1 Okuma CNC Vertical Lathe (39" swing)
- 5 DMG CNC 5 axis milling machines
- 1 Doosan DNM750L CNC vertical milling machine
- 1 Doosan NHP 5000 CNC Horizontal Machining Center
- Various manual lathes, mills and other support equipment
- Complete Quality Control Lab

Expertise:

- CNC milling and turning programming and machining
- Custom fixture design and manufacturing
- Custom Tooling design and manufacturing
- CAD/CAM and Prototyping

ENGINEERING SUPPORT

SUMMIT AEROSAPCE USA INC. (SAUI) has partnered with Hypernetics – A Division of Plaintree Systems Inc. (www.hypernetics.com) which is a full service engineering design firm providing core expertise in high performance electromagnetic sensors, alternators, movements and actuators.



SAUI will create customer value by

- Providing cost effective comprehensive precision machining solutions for our customers.
- Leveraging Technology and Intellectual Property to deliver quality products to our customers.
- Maintain our position as a key Supply Chain partner for our customers.





SAUI machine components for the following assemblies



SEAL ASSEMBLY

Materials :
HAST X HONEYCOMB
INCO 718
Size :
ø20.0 in
3.0 in high
SUMMIT machines all components
for this assembly



BEARING SUPPORT

Material :
410 STAINLESS
Size :
ø11.0 in
14.0 in high
SUMMIT machines the large outer
flange for this assembly



SAUI machine components for the following assemblies (cont'd)



FRONT FRAME

Materials :

INCO 718, TITANIUM, ALUMINUM

Size :

ø32.0 in

8.0 in high

SUMMIT machines the actuating rings located on the outer section of this assembly



TURBINE SHROUD SUPPORT

Materials :

INCO 718, INCO 909, WASPALLOY

Size :

ø13.0 in

3.0 in high

SUMMIT machines the large flange of this assembly

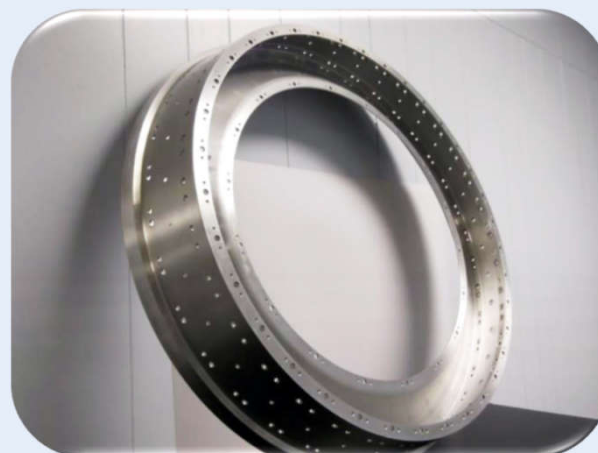


SAUI machines the following components



CONNECTOR ELEMENT

Material :
AMS 5646 STAINLESS STEEL
Size:
1.5 in long
0.65 in high



RING, INNER FAN STATOR

Material :
T651 ALUMINUM
Size :
ø32.0 in
5.0 in high



SAUI machines the following components (cont'd)



SUPPORT SHROUD, STAGE 1 TURBINE

Materials :
INCO 718, Waspalloy
Size :
ø12.0 in
1.5 in high



SUPPORT SHROUD, STAGE 1 TURBINE

Materials :
INCO 718, Waspalloy
Size :
ø12.0 in
1.5 in high



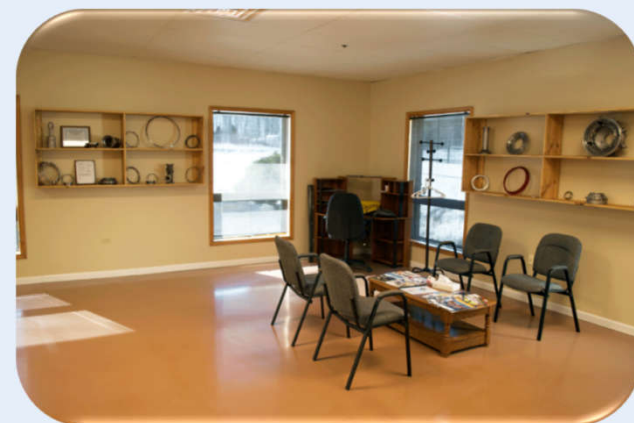
SUMMIT AEROSPACE USA INC. Workshop



Turning Area



Milling Area



Front Office Area



SUMMIT AEROSPACE USA INC. Site Overview

Total Site Area	4 Acres (1.6 Hectares)
Number of Buildings	1
Age of Building	10 yrs.
Total Operating Building Area	16,200 sq. ft. (1505 sq. meters)





Thank You!