

Springfield Manufacturing, LLC (SMLLC), a subsidiary of Contour Precision, offers multi-axis profile grinding with CBN, Laser Powder Fusion (LPF™) cladding & welding as well as Abrasive Waterjet machining and stripping services.

We also can now provide various Electrical Discharge Milling (EDM) services including EDM Drilling and Machining.

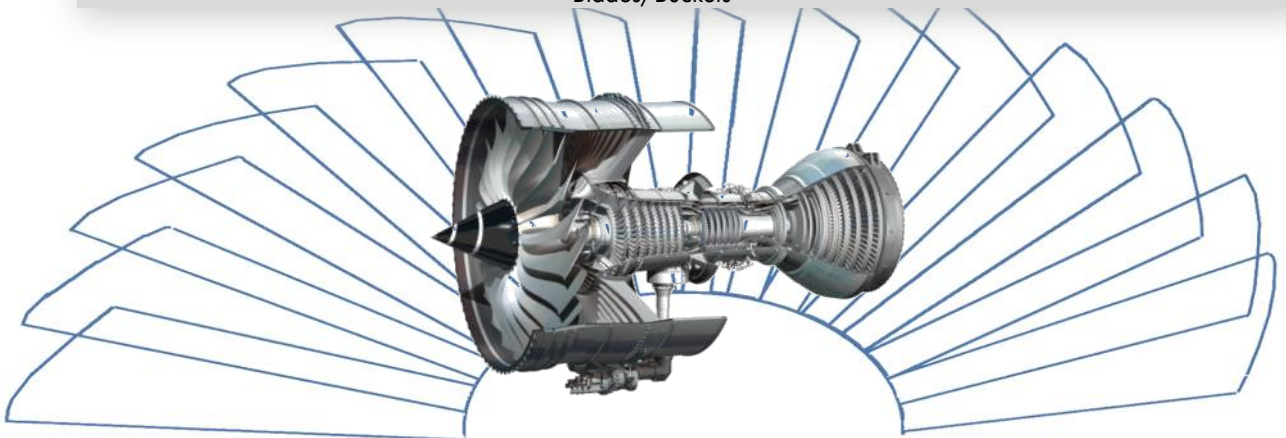
Since 1994, our focus has been on high precision, multi-axis part processing applications, particularly for high-value components involving superalloys and other exotic materials for the most demanding manufacturers of flight and industrial gas turbine, medical and energy industries.

Our manufacturing processes are specifically designed to produce exceptional quality parts without damaging heat affected zone (HAZ) or recast layer.

We use Huffman equipment for all of our Multi-Axis precision Grinding, Laser and Waterjet processing and machining services from our Clover, SC and Houston, TX locations.



Laser Cladding, Welding & Hardfacing		<ul style="list-style-type: none"> • Z-Notch & Cutter Teeth • Blade/Bucket 	<ul style="list-style-type: none"> • Tip Cap Fusion • Orifice Plate Fusion
CBN Grinding		<ul style="list-style-type: none"> • Z-Notch & Cutter Teeth • Blade/Bucket Tips & Length • Vane/Nozzle Slash Face 	<ul style="list-style-type: none"> • Shrouds • Disk Roughing
Waterjet	Drilling	<ul style="list-style-type: none"> • Blades/Buckets • Vanes/Nozzles 	<ul style="list-style-type: none"> • Impingement Plates • Transitions
	Stripping	<ul style="list-style-type: none"> • Blades/Buckets • Vanes/Nozzles • Liners 	<ul style="list-style-type: none"> • Shrouds • Transitions
	Surface Preparation	<ul style="list-style-type: none"> • Blades/Buckets • Hole Cleaning 	
	Cutting /Machining	<ul style="list-style-type: none"> • Abradable Shrouds • Castings 	<ul style="list-style-type: none"> • Rings • Disks
EDM	Ram	<ul style="list-style-type: none"> • Vane/Nozzle Seal Slots 	<ul style="list-style-type: none"> • Shaped Holes
	Fast Hole Drilling	<ul style="list-style-type: none"> • Vanes/Nozzles • Blades/Buckets 	<ul style="list-style-type: none"> • Transitions





Abrasive Waterjet (AWJ)

- WJ25 5-Axis Abrasive Water Jet (3)
- WJ155 6-Axis Abrasive Water Jet (3)
- WJ156X 6-Axis Abrasive Water Jet (3)
- WJ156 6-Axis Abrasive Water Jet



Grinders

- HS-195R 5-Axis Precision Grinder
- HS-155S 4-Axis Precision Grinder
- HS-196GC 6 Axis Grinding Center
- HS-225S 5-Axis Precision Grinder



Laser Powder Fusion (LPF™) Cladding

- HP-115CL 5-Axis Laser Cladding with CO₂ Laser
- HC-205 5-Axis Laser Cladding with 1000W Fiber Laser



EDM

- SY-1210 6 Axis EDM Drill**
- MX-158w MAXICUT CNC SINKER EDM**



Milling

- V25 Small Haas Vertical Machining Center**

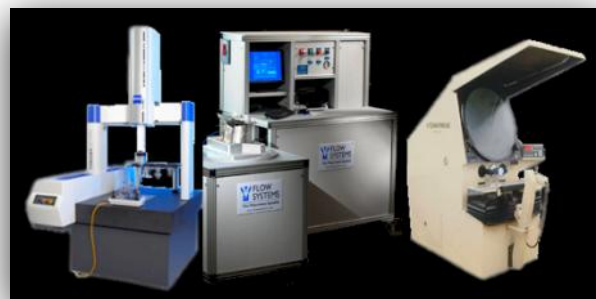
Machines Above are manufactured by Huffman, LLC (except **)

ISO9001:2008 & AS9100C Certified

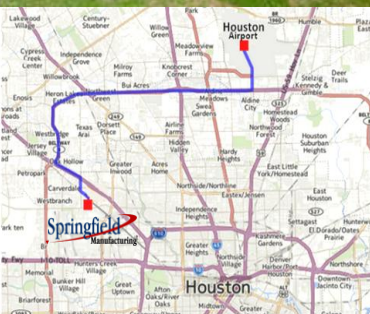
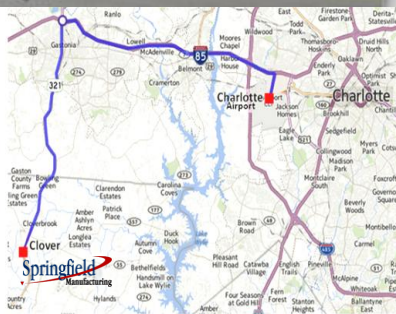
We utilize statistical process control (SPC) software in conjunction with detailed quality procedures to process parts for our customers.

Inspection

- Zeiss CMM
- Brown & Sharpe CMM
- Flow Airflow Measurement System
- Scheer Tomico 30" Optical Comparator
- PDI Analog Surfometer® Systems, Surface Finish Analyzer



Headquartered in Clover, SC just outside of Charlotte, NC we are a parts supplier to the Aerospace and IGT market providing Multi-Axes (up to 6) CNC Superabrasive Grinding, Laser Powder Fusion (LPF), Cladding, EDM and Abrasive Waterjet technologies.



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SMLLC Capabilities v1-04-13
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