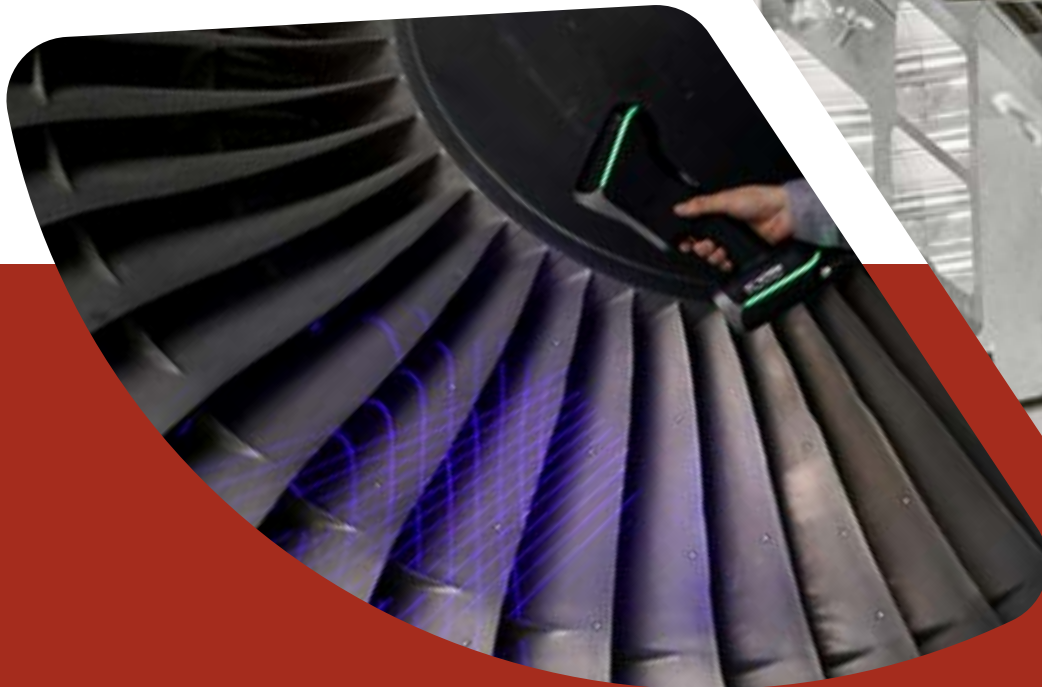
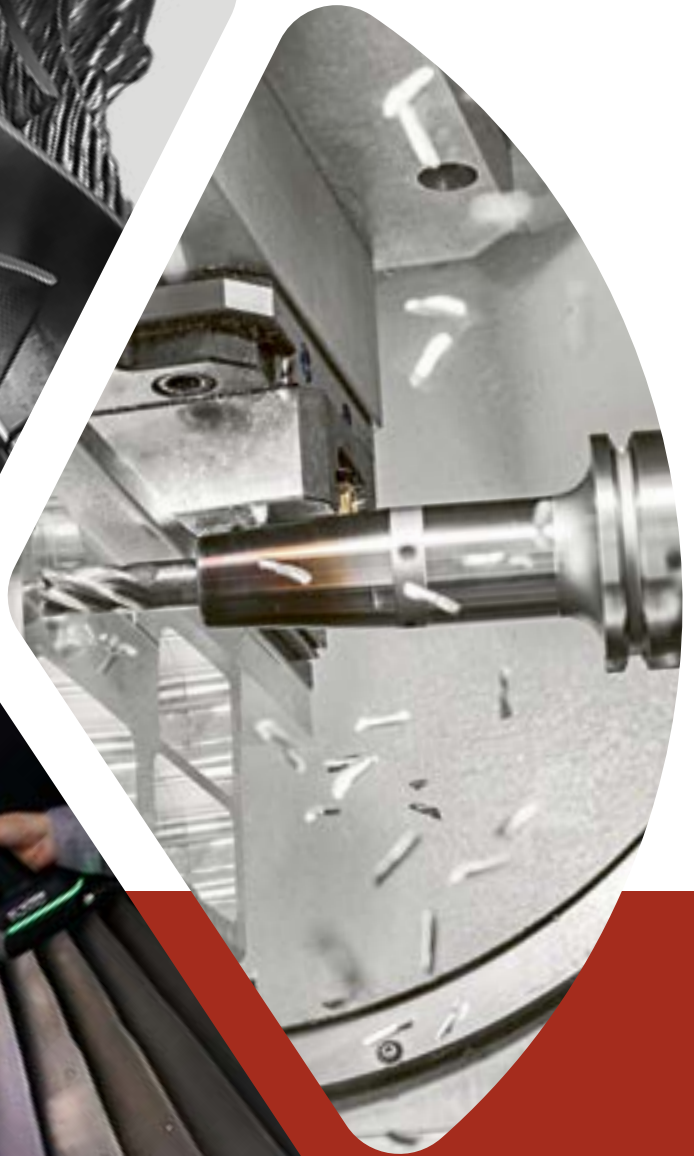
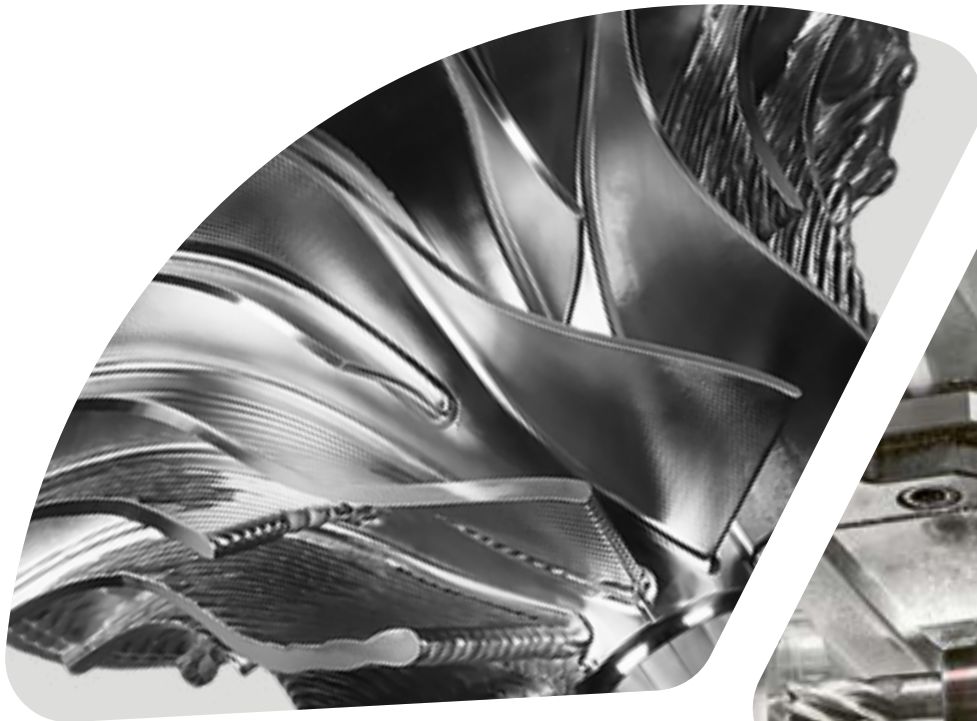


**STATE OF THE ART
MANUFACTURING**

FAST | FLEXIBLE | COST EFFICIENT



Pioneering 3D Metal Printing

At FasTech, we have been providing cutting-edge metal additive 3D printing since 2018, using some of the first Gefertec machines in the U.S. We also have on-site a range of state-of-the-art machining centers, which allows us to seamlessly complete the production process inhouse.

Collaborating together from concept to finished product

Wire arc additive manufacturing (WAAM), or 3D metal printing as it's sometimes known, is still in its infancy and its full potential is yet to be realized. That's why, we at FasTech, will work closely with you to explore how WAAM can help you design products that might have been previously impossible to manufacture, to cut lead times and to reduce costs.

Talk to us early to see how our extensive 3D metal printing and machining expertise can help you revolutionise your production processes.



← Our GEFERTEC 3DMP arc605 3D metal printing process helps manufacturers produce parts that might not have been previously possible.

Our end-to-end service to deliver innovative solutions

With our standalone or combined rapid machining and additive 3D metal printing capabilities, we can provide a full range of prototyping, design for manufacture and supply management services:

- Lead times up to ten times faster than traditional additive manufacturing methods to meet challenging timelines
- Turnkey subtractive machining services for one-off components and production runs
- Additive services including additive 3D metal printing with Gefertec's WAAM technology
- Full part reverse-engineering and CAD development services
- Robust supply chain for US & European manufactured welding consumables as well as metal or plastic raw stock.

The 3D metal printing advantage

There could be many benefits of using 3D metal printing across a range of sectors:-

- Aerospace
- Agricultural equipment
- Automotive
- Defence
- Engines & turbines
- Medical equipment
- Nuclear
- Oil & gas equipment
- Renewables
- Rail & rolling stock
- Speciality packaging



← We can efficiently mill a wide variety of materials with our GROB 350 5-axis universal machining centre.

Our Hass Universal Machining Centers are ideal for 5-axis machining of large parts. →



FIND OUT MORE ABOUT OUR RANGE OF SERVICES

- 3D metal printing →
- CNC machining →
- Reverse engineering →

We can make big parts, FAST

Our 3D metal printing process, qualified to aerospace's exacting standards

Up to ten times faster than conventional manufacturing methods, our wire arc additive manufacturing process, using our GEFERTEC 3DMP®arc405 and 3DMP®arc605 delivers high quality 3D metal printed parts.

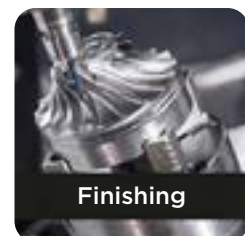
- Lower material costs as nearly 100% materials utilization
- Broad range of printable materials available.
- Weld deposition in 5 axes, without the need to print additional support structures
- Extremely flexible - ideal for one off prototypes or production runs
- Robust supply chain with our welding consumables coming from mills in the USA & Europe.



Wire



Print



Finishing



Accurate, complex components manufactured in large and small volumes

Precise, consistent milling service

FasTech specializes in 3 and 5-axis, or multi-axis, machining for components that require a high degree of precision and repeatability. We add the power of computer numerically controlled (CNC), computer aided manufacturing (CAM), and industry-leading software to our decades of machining experience to produce perfect products based on our customers CAD designs.

Our CNC machining specialists can program and safely oversee the production of highly complicated precision components with the highest standards of quality.

Flexible and cost efficient turning service

At FasTech, we use the latest machinery and software with the most up to date tooling and techniques from the leading tooling suppliers.

With a capacity to turn up to 16" outside diameter and 24" in length and with offline programming using our computer aided manufacturing (CAM) software, we can produce a wide range of parts from a wide range of sectors whilst making our CNC mill/turn department flexible and cost-efficient.

Reverse model complex structures

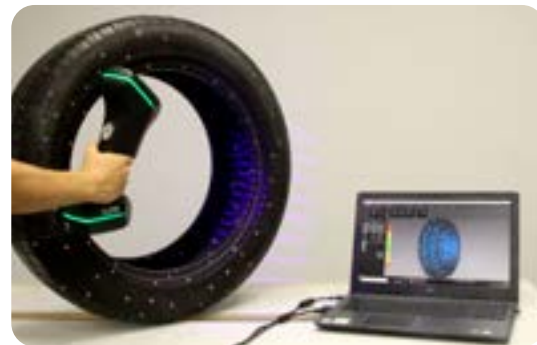


Photo credit: ScanTech

Handheld 3D scanners for fast, accurate 3D models

We are the US agent for the Scantech range of portable 3D scanners. These state-of-the-art scanners are ideal for rapidly creating exact 3D models for product development, reverse engineering, first article inspection (FAI), quality control and repair and maintenance. The handheld scanners, which can measure and scan large or awkward shapes, automatically transform the 3D scan data into accurate 3D models with part measurement accuracy within as little as less than a 10th Thou (0.0008") or 20 microns.

Not only are these 3D scanners ideal for our work at FasTech, helping us reverse model complex parts with curved surfaces, ribs or cavities - they also have numerous applications across a broad range of industries including aerospace, automotive, transport, energy and defense.

Please get in touch to find out more about the full range of portable Scantech 3D scanners and how they could be used in your business.



Capability Matrix for FasTech

	HAAS VF-2 SS	HAAS UMC-1000SS	HAAS UMC-1000SS	Grob-350	HAAS ST-30Y	HAAS CL-1	Gefertec ARC 405 3MP	Gefertec ARC 605 3MP	FUSION3 F410
Direct import of customer models STP, IGES, PARASOLID, STL etc	✓	✓	✓	✓	✓	✓	✓	✓	✓
Autodesk Fusion 360	✓	✓	✓	✓	✓	✓			
Siemens NX	✓	✓	✓	✓	✓	✓	✓	✓	
Autodesk Power Mill/Power Shape/Power Inspect	✓	✓	✓	✓					
Autodesk CAMplete		✓		✓					
CGTech Vericut	✓	✓	✓	✓					
Cam 3DMP							✓	✓	
Simplify 3D									✓
Material Capabilities									
Stainless Steels*	✓	✓	✓	✓	✓	✓			
Aluminums*	✓	✓	✓	✓	✓	✓			
Coppers*	✓	✓	✓	✓	✓	✓			
Mild Steels*	✓	✓	✓	✓	✓	✓			
Tool steels*	✓	✓	✓	✓	✓	✓			
Inconel's*	✓	✓	✓	✓	✓	✓			
Titanium's*	✓	✓	✓	✓	✓	✓			
Nickel Aluminum Bronze*	✓	✓	✓	✓	✓	✓			
Plastics*	✓	✓	✓	✓	✓	✓			✓
Steels**							✓	✓	
Ni Based**							✓	✓	
Non-Ferrous**							✓	✓	

* A full list of material grades we can machine can be provided on request. ** A full list of material grades we can print can be provided on request.

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Fastech LLC is ISO 9001:2015 certified

FasTech LLC maintains an active ITAR registration with the U.S.
State Department, Directorate of Defense Trade Controls.