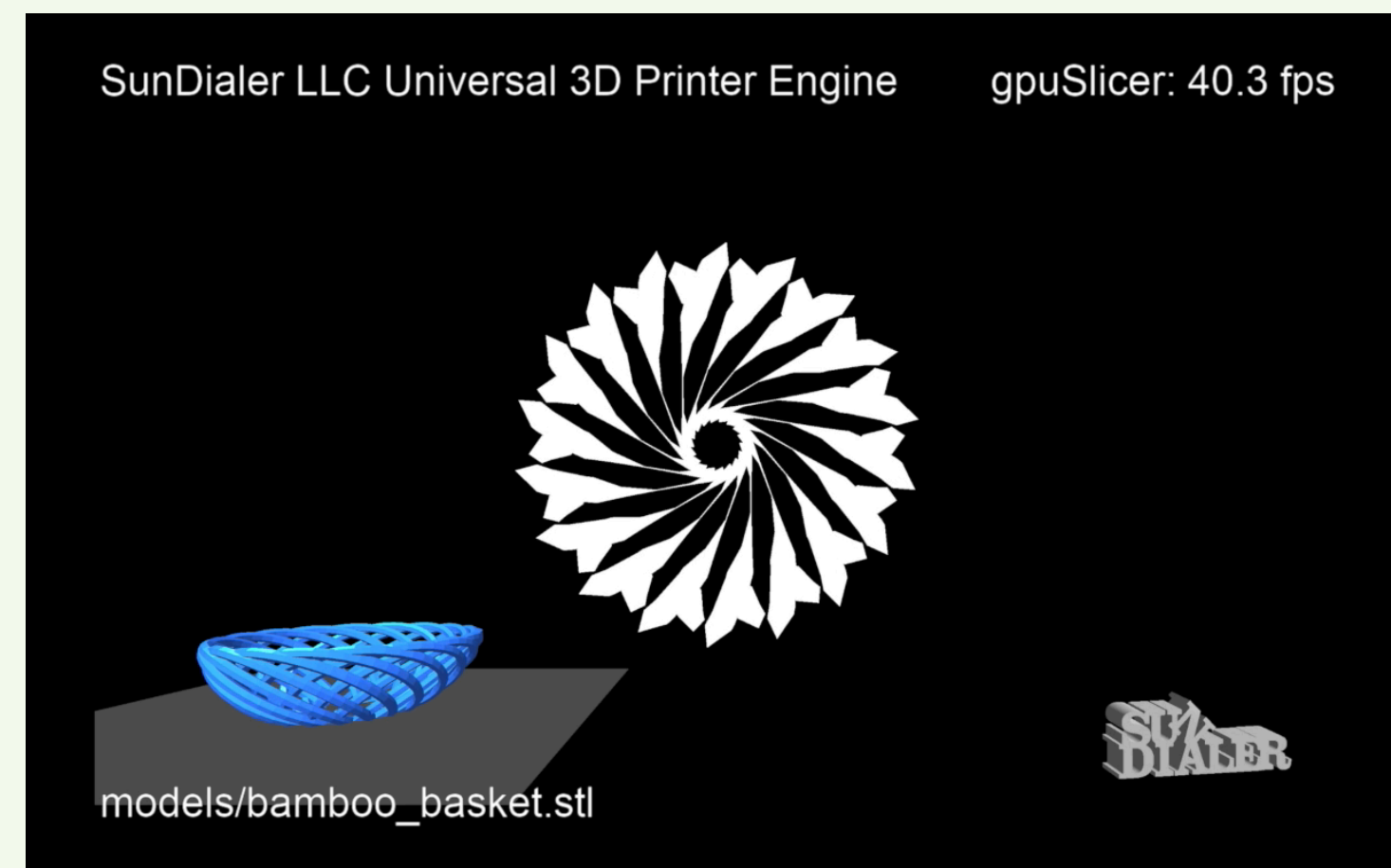


 COGS AM

Additive Manufacturing

COGS AM - Additive Manufacturing

The term Additive Manufacturing (AM) encompasses many technologies including subsets like 3D Printing, Rapid Prototyping (RP), Direct Digital Manufacturing (DDM), layered manufacturing and additive fabrication.



SLA – 3D printing utilizing high end high laser technology to cure layer upon layer of photopolymer resin (polymer that changes properties when exposed to light)

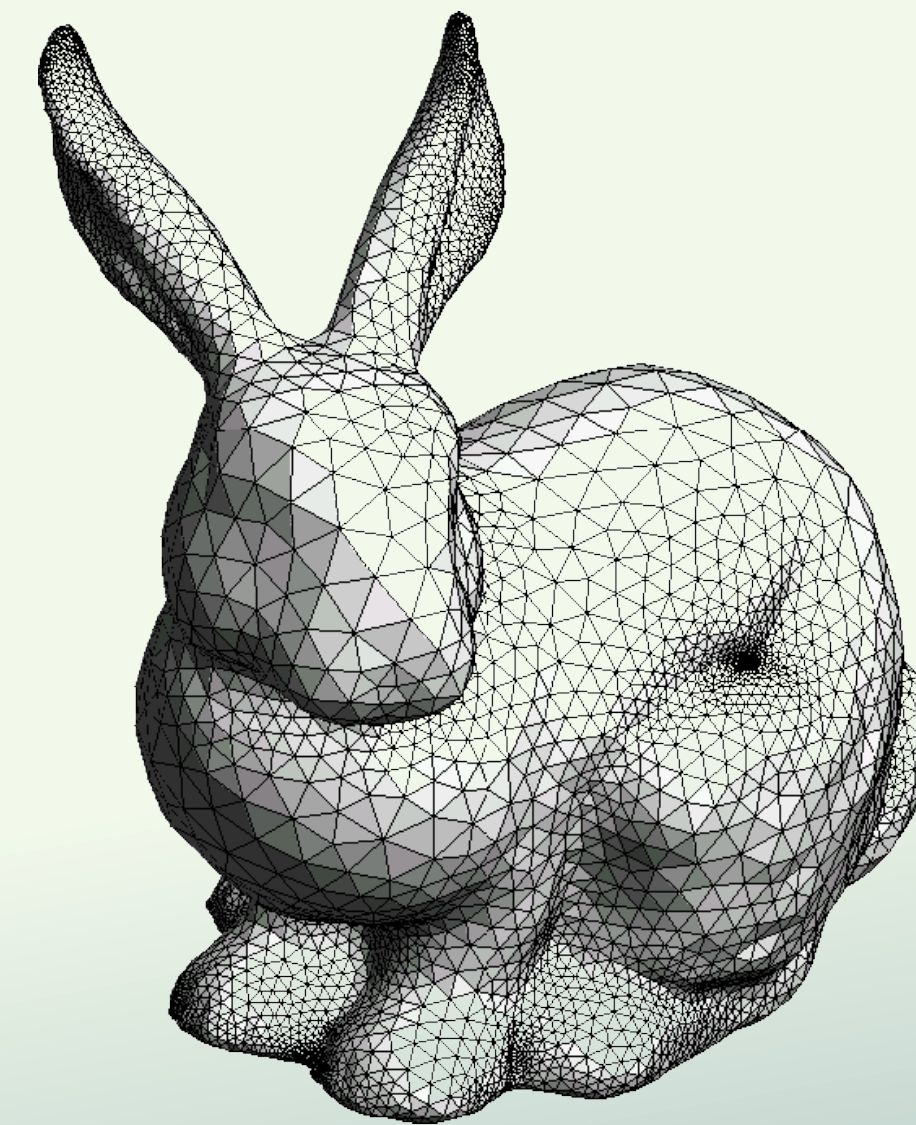
CBAM – 3D printing of continuous carbon fiber composites; polymer is printed onto a fiber sheet and repeated per layer until the model is complete.

 COGS AM provides all the required software components for successful 3D printing.

COGS AM - SLA

Stereolithography (SLA or SL; also known as stereolithography apparatus, optical fabrication, photo-solidification or resin printing) is a form of 3D printing technology used for creating models, prototypes, patterns, and production of parts.

- ❁ Product Modeling
- ❁ Prototyping
- ❁ Individual or Industrial Scale
- ❁ Customization
- ❁ Durability
- ❁ Freedom of Design



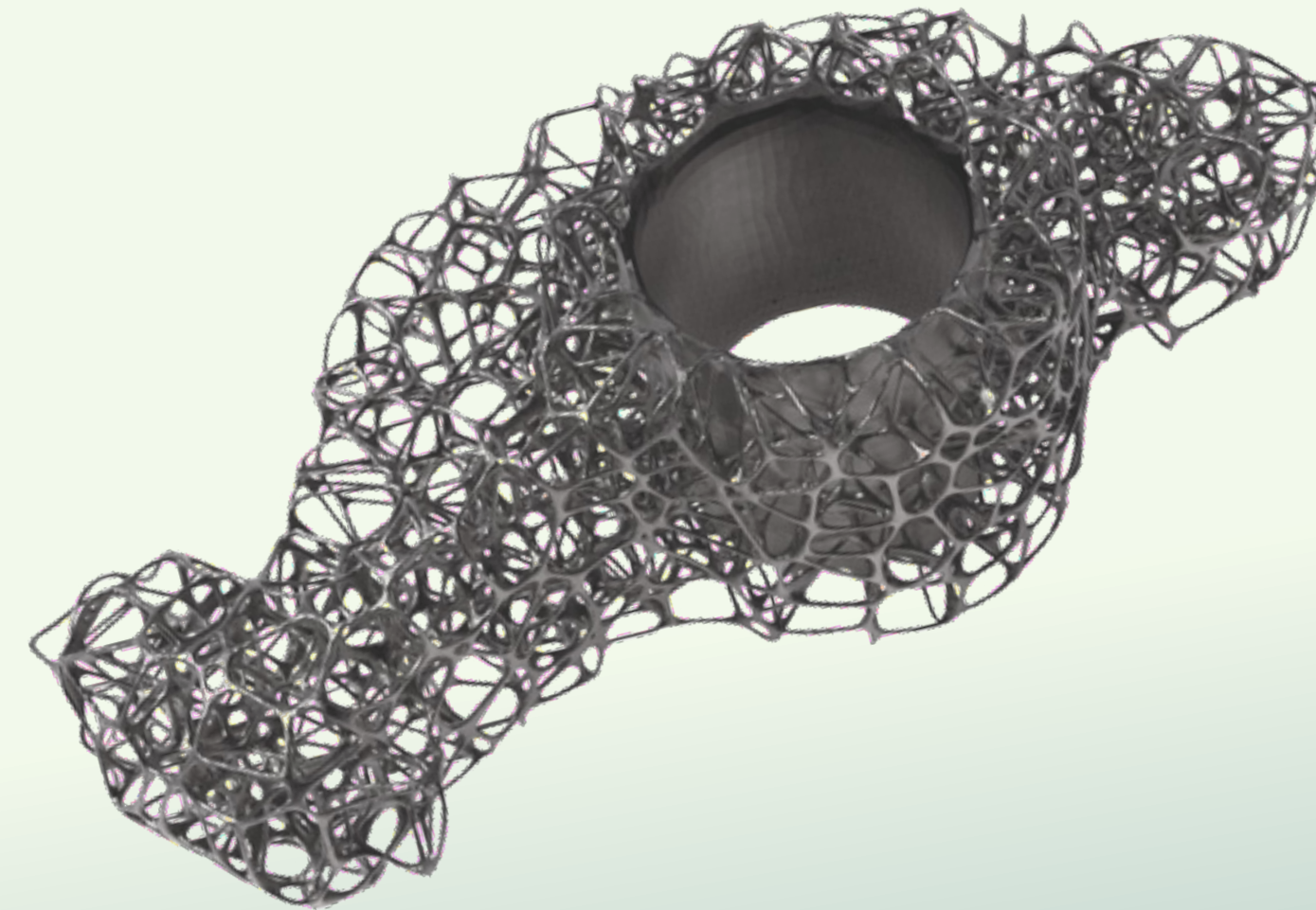
“3D printing and additive manufacturing can be counted among the most disruptive technologies of our age, and they are predicted to be at the forefront of the fourth industrial revolution.”

statista.com

COGS AM - CBAM

Composite-based additive manufacturing technology – CBAM – delivers stronger parts, at faster speeds and from a wider range of materials. CBAM can replace expensive, time-consuming conventional techniques like machining, tooling, and injection molding, while offering greater geometric complexity.


- Strong yet Lightweight
- No Tooling Costs
- Rapid Production
- Customization
- Durability
- Freedom of Design



“As this fabrication technology evolves and matures, options for applying it in everything from automotive to aerospace to consumer composites will expand tremendously, creating a host of new opportunities for the composites industry.”

Ginger Gardiner- CompositesWorld, August 3, 2016

COGS AM - Slicing and Inspection

 COGS offers the fastest GPU based slicer and automated inspection software for CBAM and SLA printers. Combined with our advanced process control system... if you can dream it, you can build it.

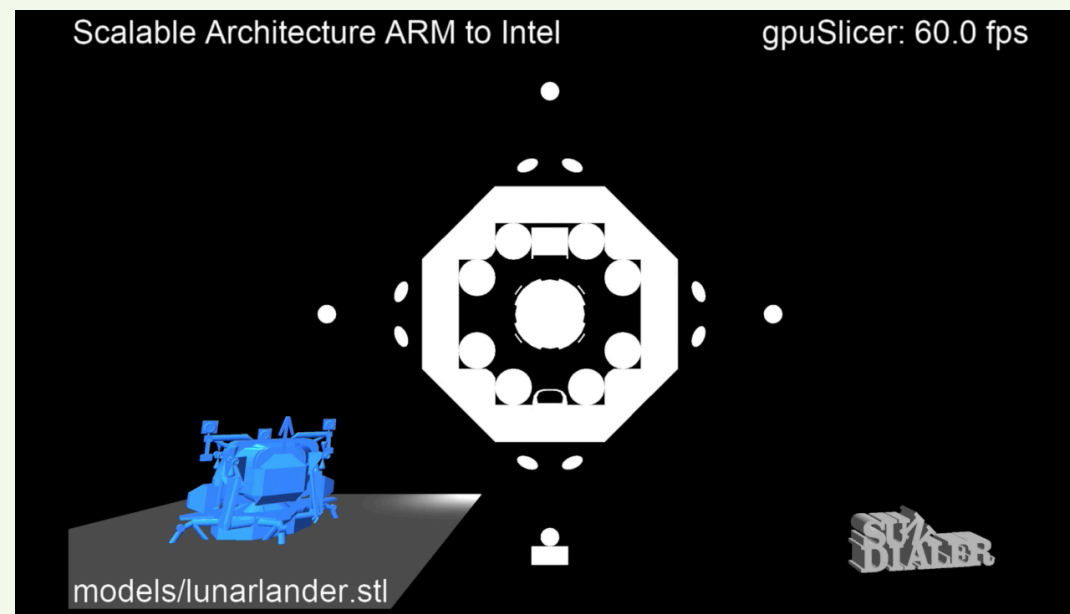


- Operates on Windows, Mac, Linux
- Operates in real-time, averaging 60 frames per second
- Completely scalable to project size
- Maximizes performance of multi-core hardware
- Hardware independent
- Cross-region, multi-language interface
- No user application programming required

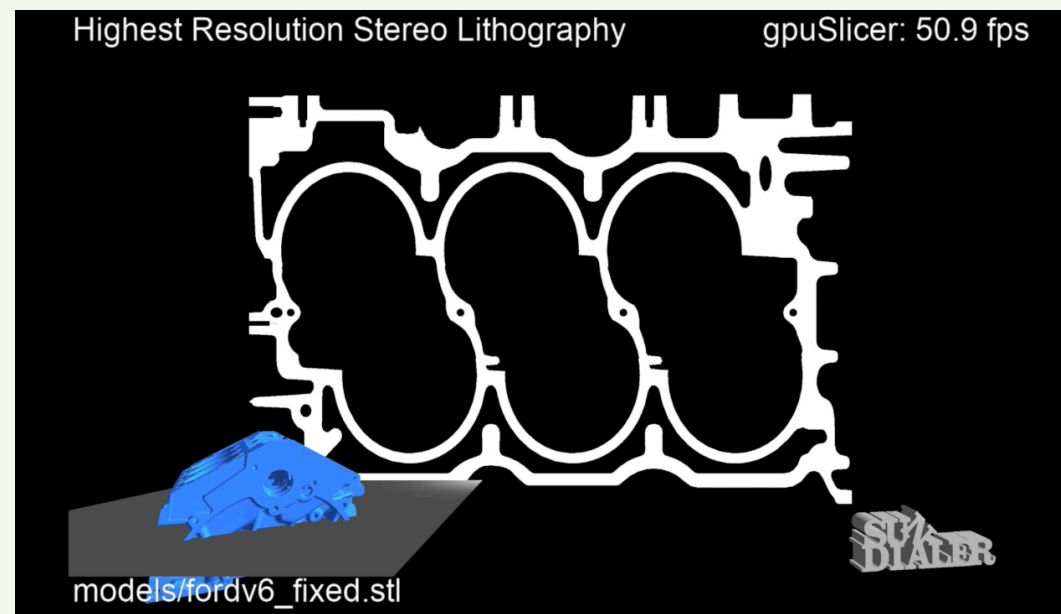
"The global market for 3D printing and services is expected to grow to almost 50 billion U.S. dollars by 2025."

statista.com

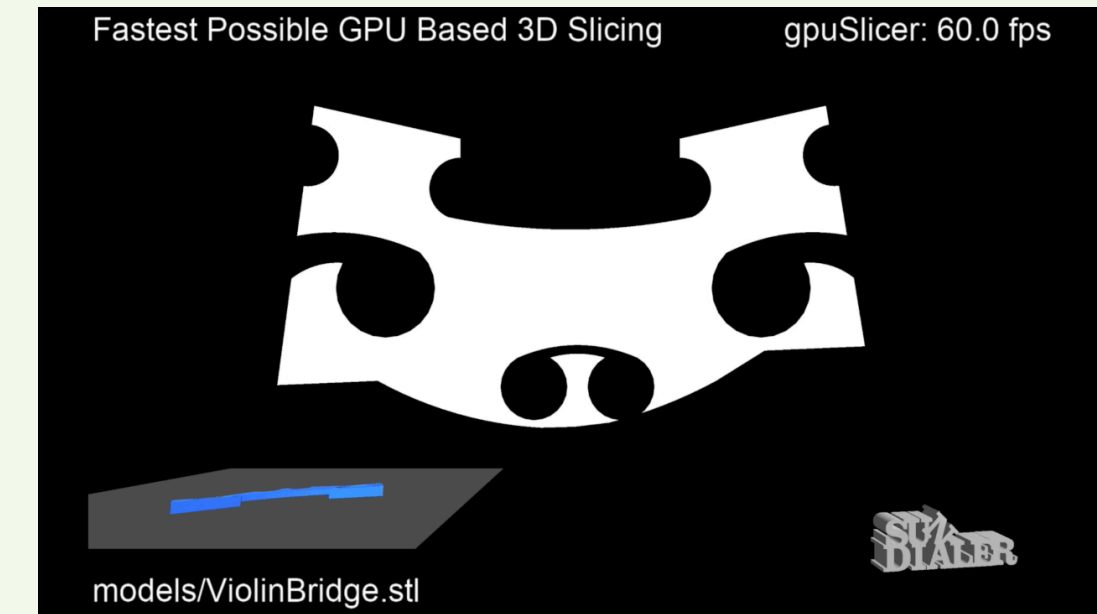
COGS AM - Universal 3D Printer Engine



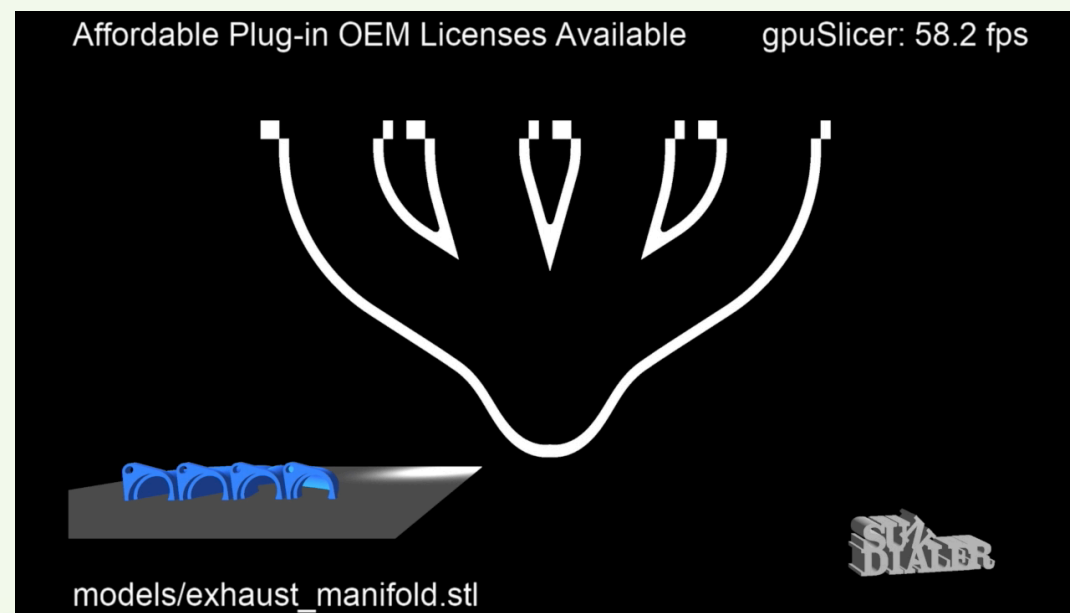
Scalable Arm to Intel



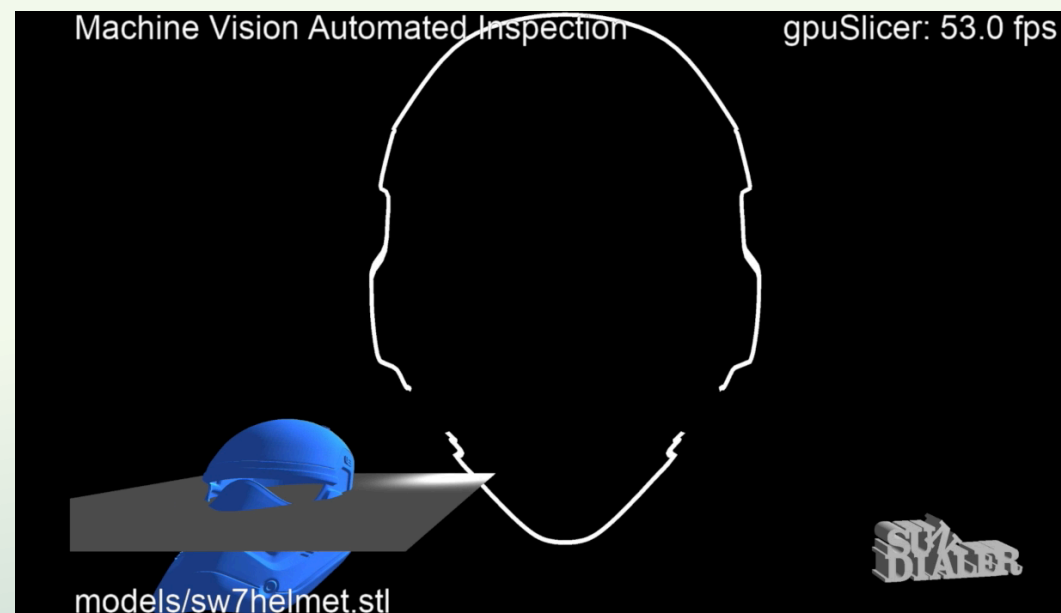
Highest Resolution Stereo Lithography



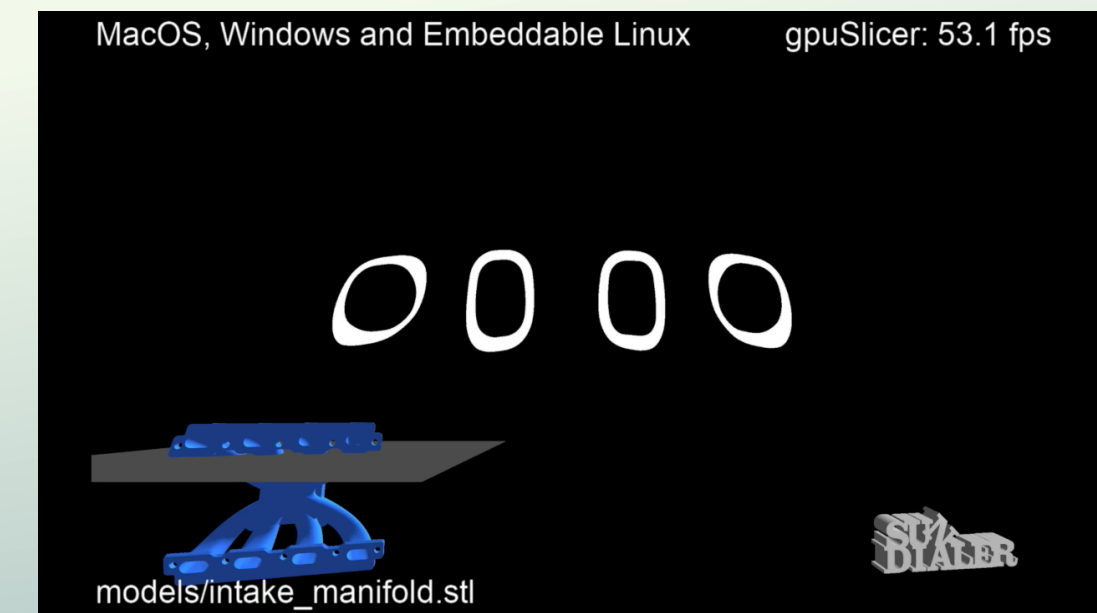
Fastest Possible GPU Slicer



Print VR and AR

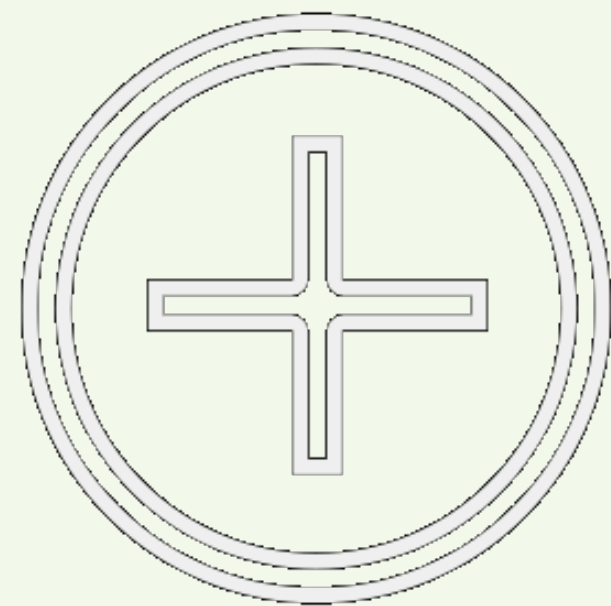


Machine Vision & Automated Inspection

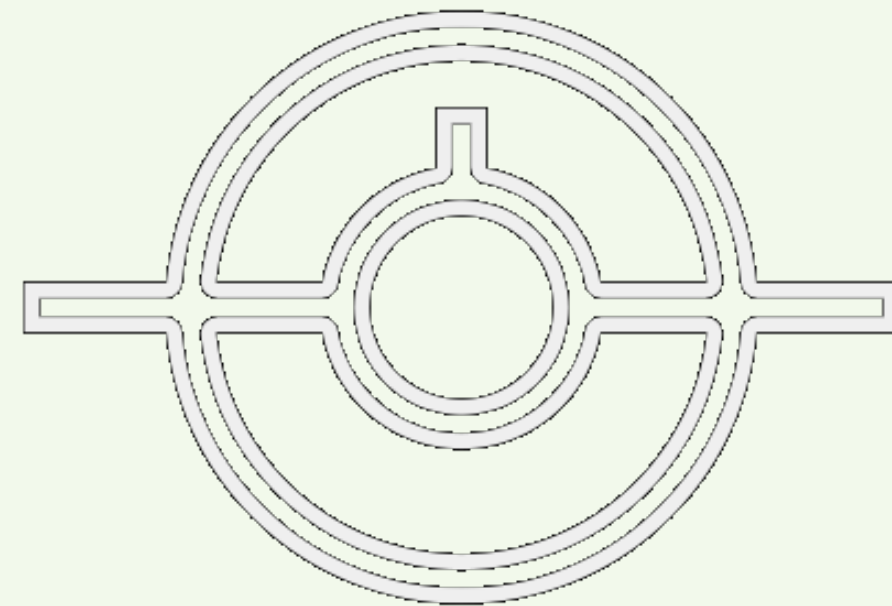


MacOS, Windows and Linux

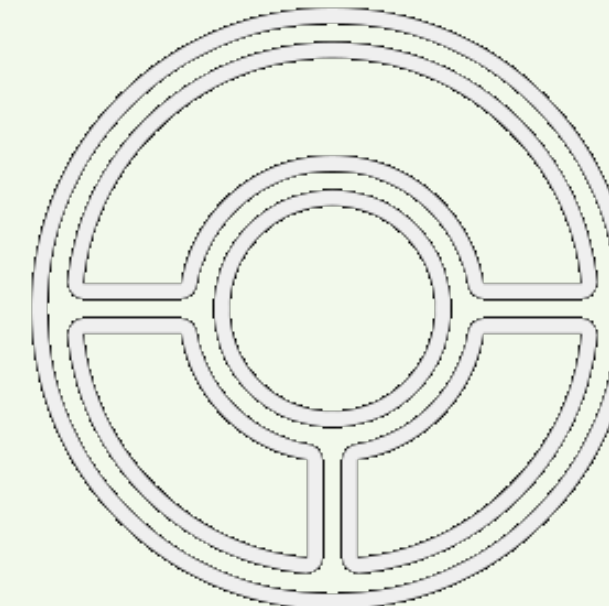
COGS AM - Industries



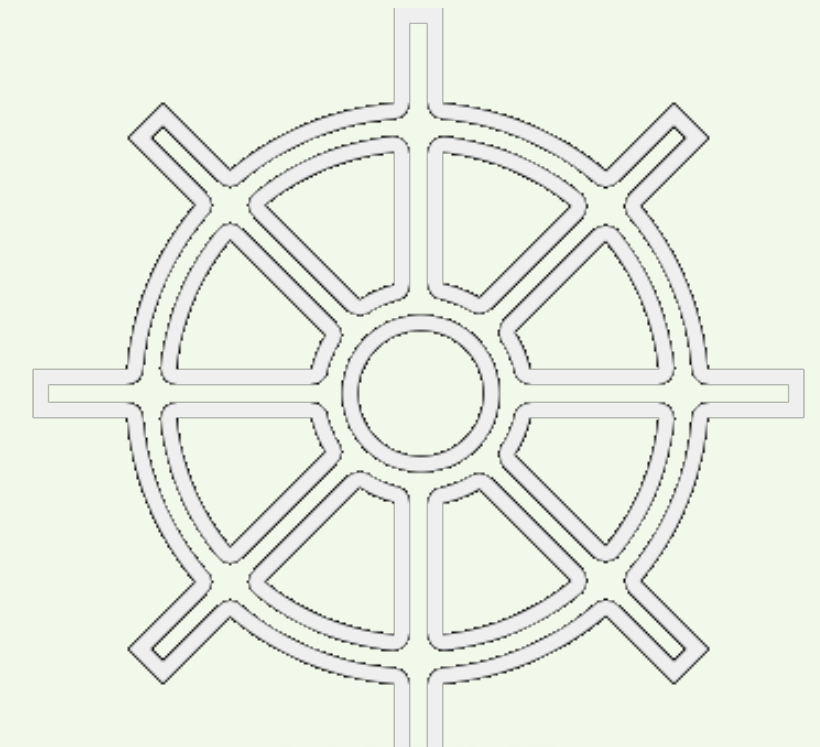
HEALTHCARE



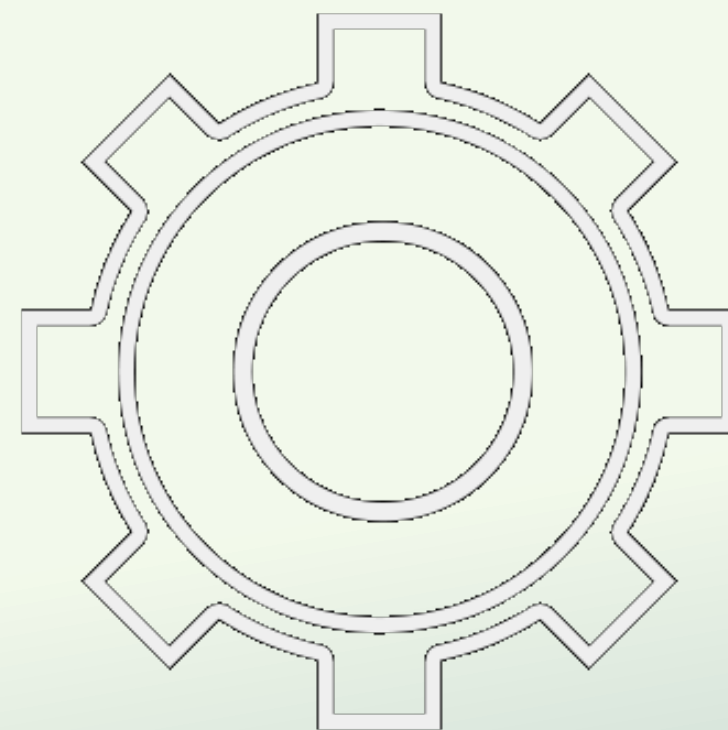
AVIATION



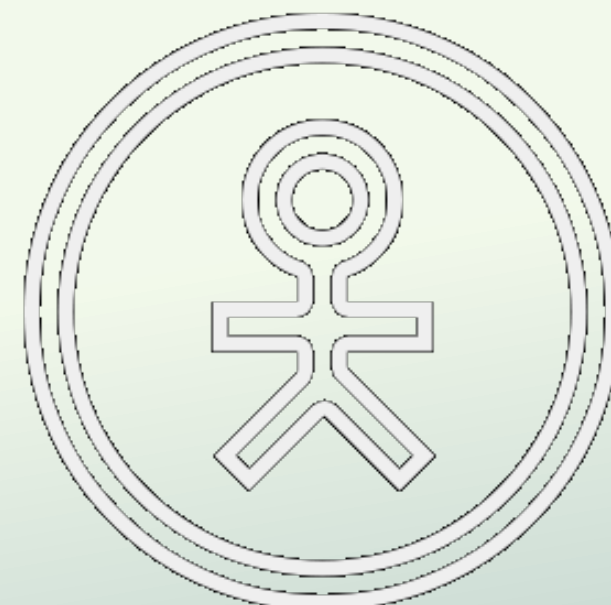
AUTOMOTIVE



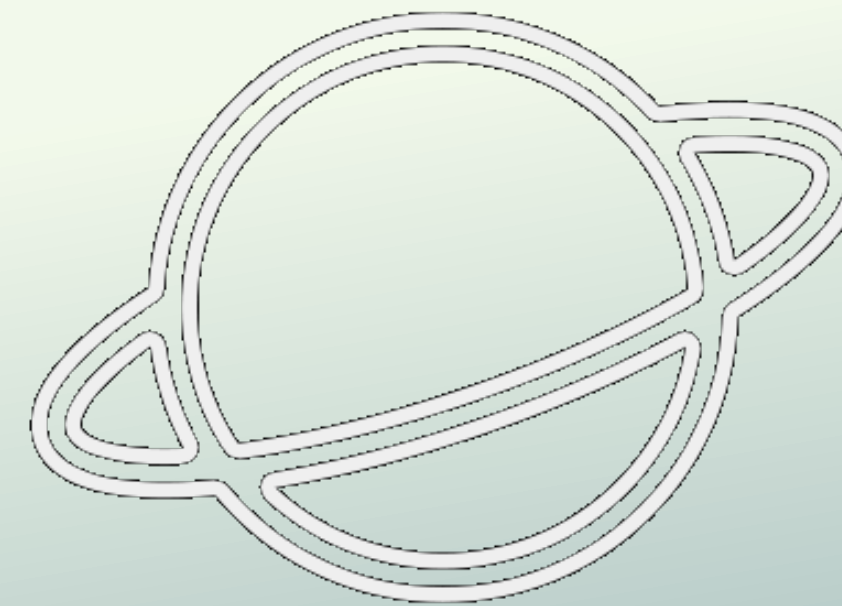
MARINE



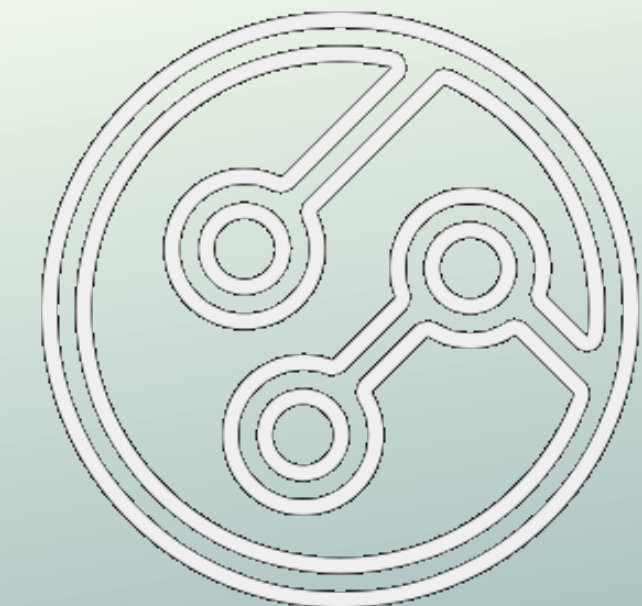
INDUSTRIAL



ATHLETICS



AEROSPACE



ROBOTICS