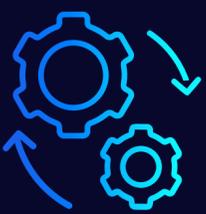


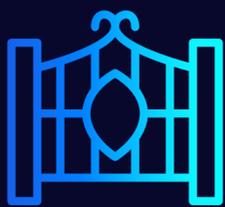


# ALUMENTRY

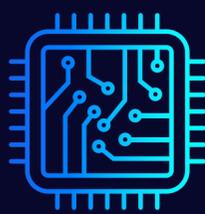
## REPLACING CNC IN MANUFACTURING PRECISE ALUMINUM PARTS



No Pre/  
Post-Processing



Wrought  
Alloys



File  
to Part



Fraction of Cost  
and Time

Addressing a \$150B market with 50% - 90% costs savings



## CURRENT PROBLEMS IN ALUMINUM PARTS MANUFACTURING

### ALUMINUM MANUFACTURING PAIN

Parts made by CNC manufacturing require human experts for:

- Production planning
- Programming
- Tooling and machine setup
- Pre-machine test runs
- Finishing

Current aluminum 3D Printing **is not an alternative** to CNC

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## LIMITATIONS OF OTHER ALUMINUM ADDITIVE MANUFACTURING (POWDER/MELTING)

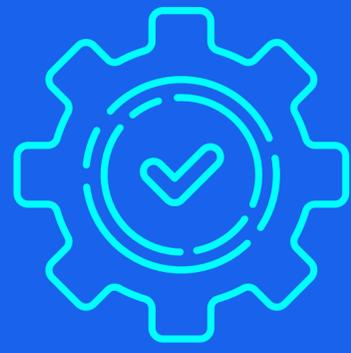
- Cannot produce standard alloys
- Cannot meet standards of accuracy
- Needs design and removal of support structures
- Requires CNC finishing
- More expensive than CNC





We offer **a surprising solution** to the huge need in the market for precise aluminum parts manufacturing.

Our machines will manufacture accurate industrial-grade aluminum parts with any geometry **without supports and post-processing, at a fraction of the time and cost.**



**IT'S A HUGE  
RELIEF FOR  
JOB SHOPS!**

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## **ASAM SOLUTION**

A metal AM technology that:

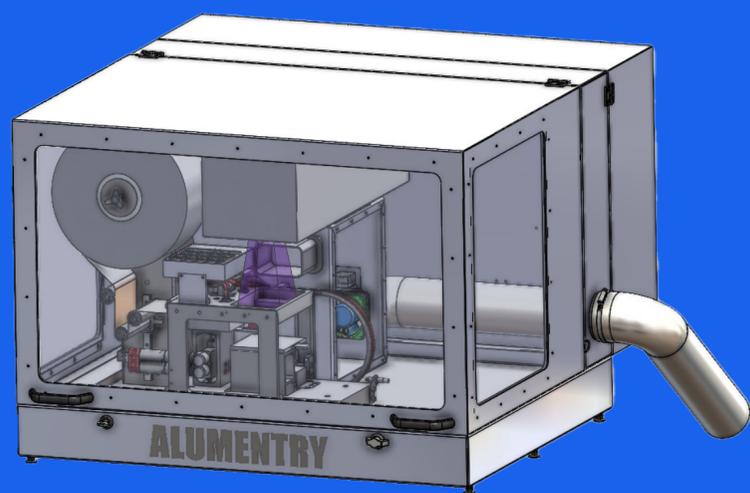
- Works with standard alloys
- Manufactures any geometry without supports
- File to part with no programming
- Does not require finishing
- Enables Instant quoting

Enables safe manufacturing of precise aluminum parts **even in space!**



# INVEST IN US

Over 5-years, an ASAM machine operating at 20% capacity generates \$555K in raw material profit



## MARKET POTENTIAL – MATERIAL PROFIT:

2027	2028	2029	2030	2035
3	8	25	100	3000
\$1,665,000	\$4,440,000	\$13,875,000	55,500,000\$	1,665,000,000\$

## SUSTAINABILITY OF ASAM TECHNOLOGY

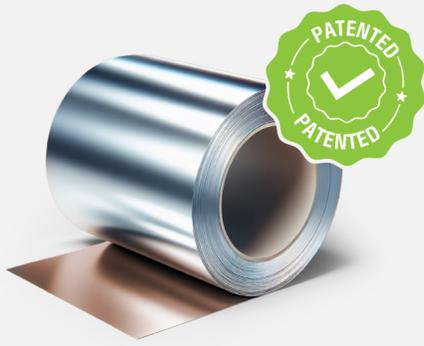


Aspect	Savings (Over CNC)	Why?
Footprint facility	75%	1 ASAM = 4 CNC
Non-recyclable consumables	~100%	No grease, No cooling fluids
Parts-to-raw material ratio	70%	Optimal utilization of raw material

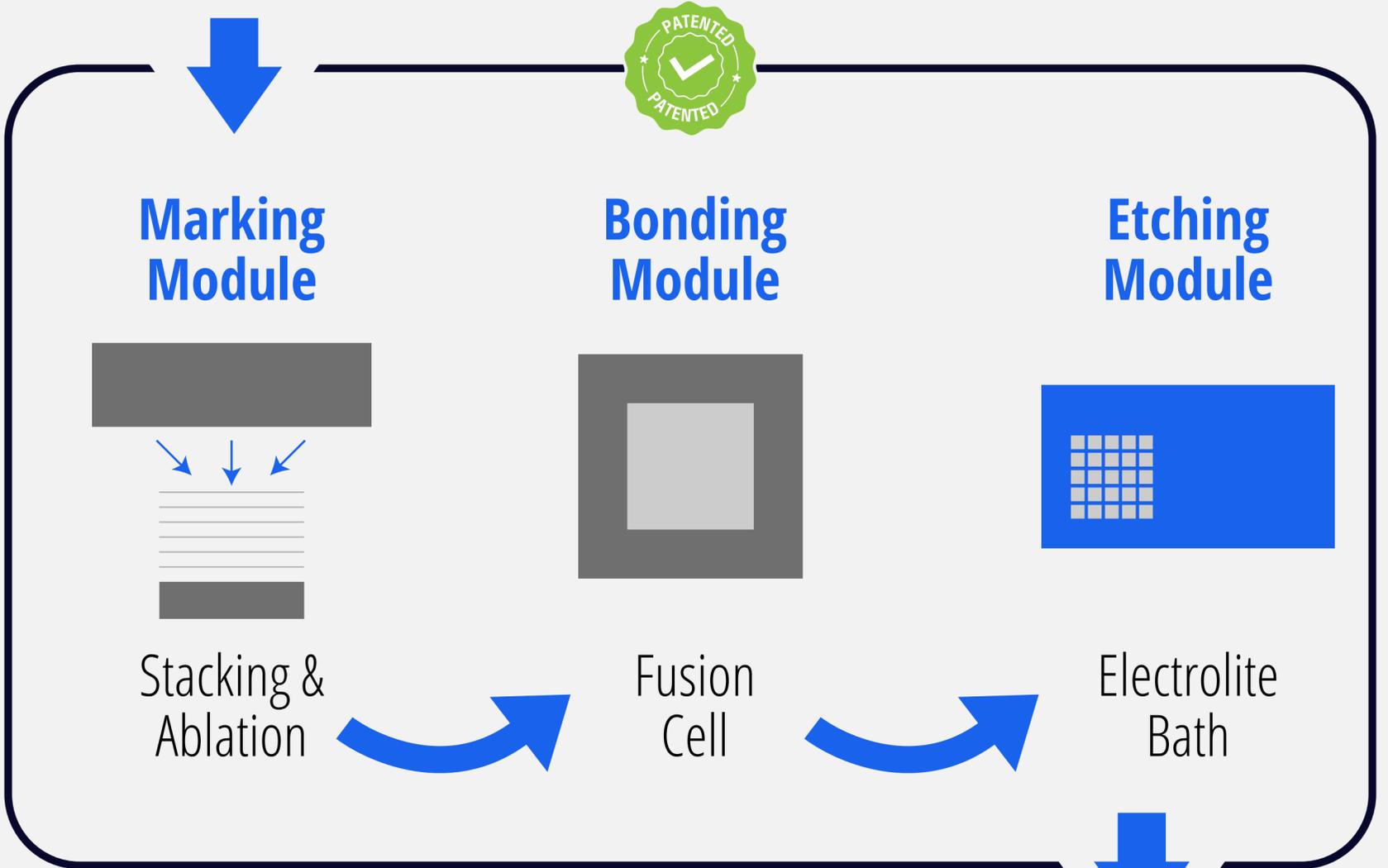
## EFFECTIVENESS OF ASAM TECHNOLOGY

Aspect	Savings (Over CNC)	Why?
Manpower	83%	1 person instead of a team of 6
Pre-production jigs and fixtures	100%	No fixtures, jigs, or support structures
Average design-to-production time	90%	Immediate File-To-Production

# OUR PROCESS AND PATENTS



Rolled sheets



Finished Parts\*

\*The image is for illustration only





### **Haim Baranek, CEO**

Formerly, CEO at BSL: CNC machining & assemblies for aviation, military and high-tech industries.

BA Business Management.

Technoschool Founder and CEO, a technical school for machine center operators.

SafeCar Founder & CEO, Automotive theft prevention systems.



### **Uri Pomerantz, CTO**

Alumentry Inventor MSc in Mech. Engineering from TAU.

Airobotics Head of Mech. Development Dept.  
Landa Digital Printing R&D, development of print-process subsystems.

bTendo (ST Microelectronics) R&D, mech. architecture of the smallest video projector made



### **Dr. Itzhak Pomerantz, CIPO**

MSc in Elec. Engineering from Technion.

Cubital (1987) inventor, founder & CEO, first 3D printer in a solid media, patents later used in the Objet technology (Stratasys).

Scitex Vision (HP) CTO, wide-format inkjet printing.

M-systems (SanDisk) Head of Innovation Group.

## **Pre-seed in place - \$1M**

## **Seed, in progress - \$1.5M**

- Raw material control - Alloy content
- Independent coating capabilities
- Additional staff - materials engineer, mechanical engineer, business development
- LOIs + early adapters pre-orders

## **Next round Industrial machine – \$14M**

- Q4 2025
- First parts from a Fully functional/fully-automatic machine
- Accurate, Wrought, Impossible geometry & 100% compatible with market demands – Pre-sale efforts





# ALUMENTRY

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