



CIMtech Equipment List



CIMtech
Green Energy

Powering The Future



AEROSPACE



MEDICAL & RADIOLOGY



MILITARY & DEFENSE



INDUSTRIAL



TRANSPORTATION



MARINE

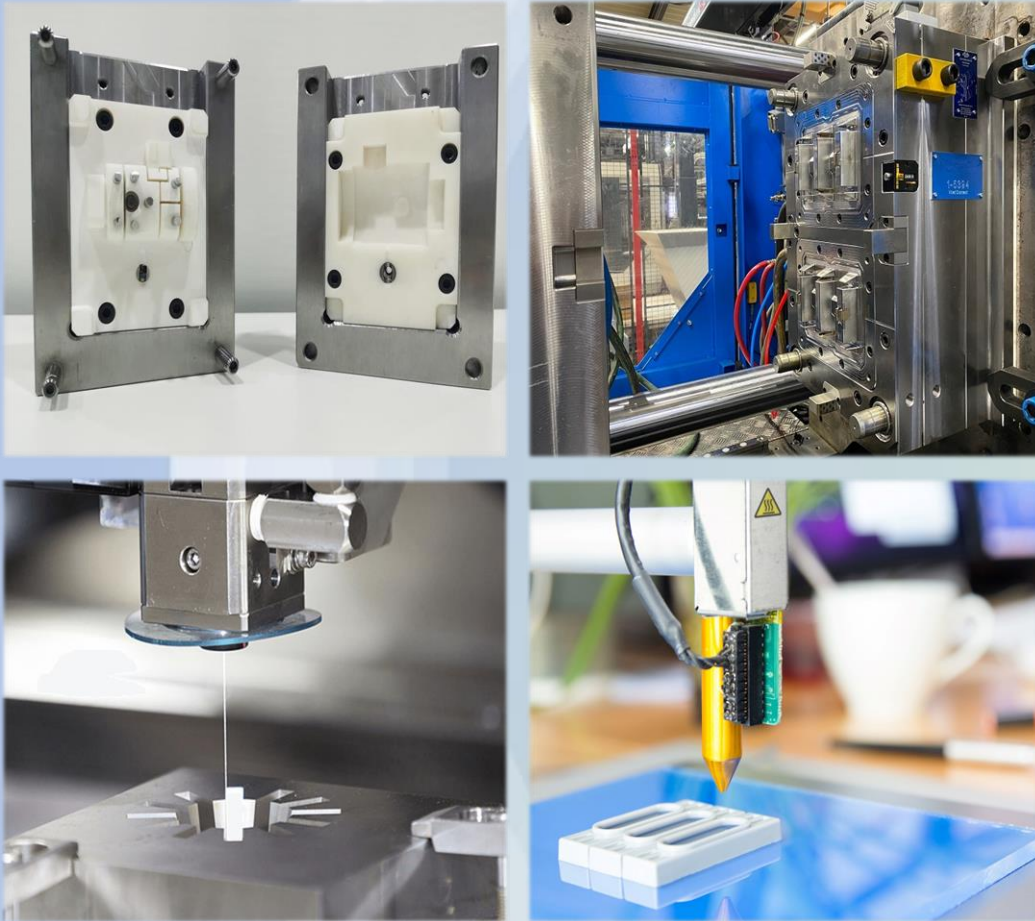
CIMtech Equipment List

Category	Machine	Qty	Travel	Specifications
CNC Milling	Fadal VMC 6535 – 5 Axis	1	65" X 35" X 35"	High Speed, 12,000 RPM, 30 HP
	Fadal VMC 6030 – 4 Axis	1	60" X 30" X 30"	High Speed, 10,000 RPM, 30 HP
	Fadal VMC 4525 – 4 Axis	2	45" X 25" X 24"	High Speed, 10,000 RPM, 30 HP
	Fadal VMC 4020 – 3 & 4 Axis	4	40" X 20" X 20"	High Speed, 10,000 RPM, 15 HP
	Haas Super VF-2SS APC VMC	1	50" X 20" X 25"	12,000 RPM, 30 HP, Pallet Changer
	Fanuc RoboDrill w/DDR Full 4 Axis	2	20" X 15" X 13"	High-Speed 22,000 RPM, 18.7 HP
	Maxcut VMC	4	44" X 25" X 25"	High Speed, 8,000 RPM, 30 HP
CNC Turning	Tsugami FA-45 – 6 Axis CNC Turning	1	Ø1.5" X 6.3" X 15.75"	C Axis
	Puma 10 HC – CNC Turning Center	1	Ø15" X 20"	Bar Capacity Ø3"
Laser Cutting	Amada Ensis 3015 AJ	1	5' X 10' X 1"	-
Surface Grinder	Okamoto	1	12" X 24"	Max Travel 30"
Wire EDM	Charmilles Robofil 300	1	15.7" X 9.8" X 15.7"	-
	Charmilles Robofil 810	1	60" X 40" X 19"	-
Quality	CMM (Coordinate Measuring Machine)	1	Brown & Sharpe	20" X 40" X 20"



CAPABILITIES	RANGE	PART SIZE
5-AXIS CNC MILLING	X – 45” x Y – 25” x Z – 24” X – 65” x Y – 35” x Z – 35” Positional Accuracy - +/- 0.0002” Repeatability - +/- 0.0001”	Max Size: 65” X 35” X 30” Min Size: 0.625” X 0.625” X 0.625”
CNC TURNING	6” x 21” (Max Capacity) 12” x 36” (Max Capacity) Positional Accuracy - +/- 0.0002” Repeatability - +/- 0.0001”	Max Size: 65” X 35” X 30” Min Size: 0.625” X 0.625” X 0.625”
WATERJET CUTTING	13’4” X 10’0” (Max Capacity) Positional Accuracy - +/- 0.003” Repeatability - +/- 0.001”	Max Size: 13” X 9.5” X 3”
SHEET METAL & LASER CUTTING	5’ X 10’ (Max Capacity) Positional Accuracy - +/- 0.0002” Repeatability - +/- 0.0001”	Max Size: 5’ X 10’ X 1”

****Choose CIMtech to get your prototype parts in 14 Days****



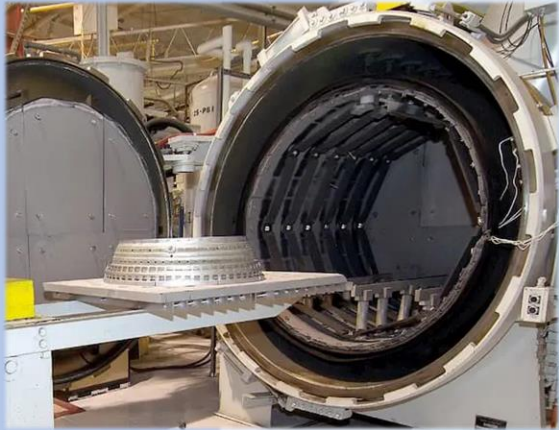
CAPABILITIES	RANGE	PART SIZE
LOW VOLUME INJECTION MOLDING	Up to 45T Accuracy - +/- 0.004"	UP To 100g
HIGH VOLUME INJECTION MOLDING	40T to 1000T Accuracy - +/- 0.002"	Up to 1.8Kg
WIRE CUT MACHINING	8" X 6" X 4" (Max Capacity) Positional Accuracy - +/- 0.0002"	Max Size: 8" X 6" X 4"
3D PRINTING	10" X 10" X 10" (Max Capacity)	Max Size: 10" X 10" X 10"

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CAPABILITIES	DESCRIPTION
WELDING	<ul style="list-style-type: none"> TIG & MIG Welding
SECONDARY PROCESSES	<ul style="list-style-type: none"> Anodizing, Painting, Powder Coating, Zinc Plating, Clear Chromate
ASSEMBLY EQUIPMENTS	<ul style="list-style-type: none"> Pneumatic Helicoid drivers Arbor presses Assembly benches Full array of assembly hand tools and equipment
FABRICATION EQUIPMENT	<ul style="list-style-type: none"> Sanders Drill press Vertical and Horizontal Band Saw
QUALITY EQUIPMENT	<ul style="list-style-type: none"> CMM – Brown & Sharpe (20”X40”X20”) <i>Note: including but not limited to:</i> Gage block sets, Pin Gages, Digital Micrometers, Bore Gages, Depth Micrometers, Thread Gages, Ring Gages, Rod Gages, Micrometers, Calipers, Drop Gages, 1-2-3 and 2-4-6 Blocks, Angle Plates, Sine Gages, Dial Indicators, Surface Roughness Tester etc.

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CAPABILITIES	DESCRIPTION
<p>HEAT TREATMENT</p>	<ul style="list-style-type: none"> • Annealing • Hardening • Quenching • Stress relieving
<p>PRESSURE TESTING</p>	<ul style="list-style-type: none"> • Custom Fixtures and Tooling • Upto 400 psi pressure testing capacity
<p>AUTOCLAVING</p>	<ul style="list-style-type: none"> • 5 ft. x 25 ft. 100 PSI 350°F max. temp. • 5 ft. x 12 ft. 100 PSI 350°F max. temp. • 4 ft. x 8 ft. 250 PSI 350°F max. temp. • 3 ft.. x 5 ft. 150 PSI 250°F max. temp.

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PROTOTYPING - PRODUCTION - ASSEMBLY - ENGINEERING



WORLD'S FIRST HYDROGEN FLIGHT
(Moses Lake, Washington)



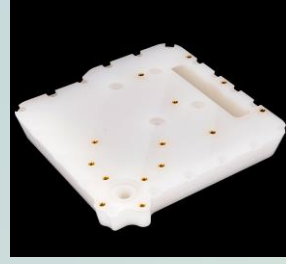
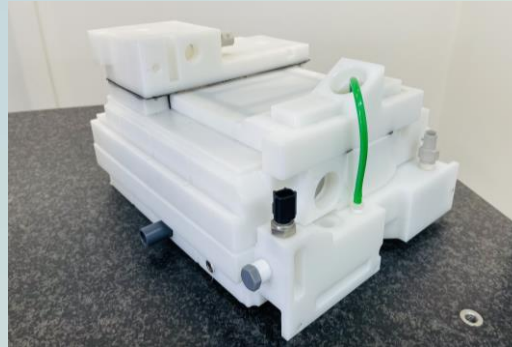
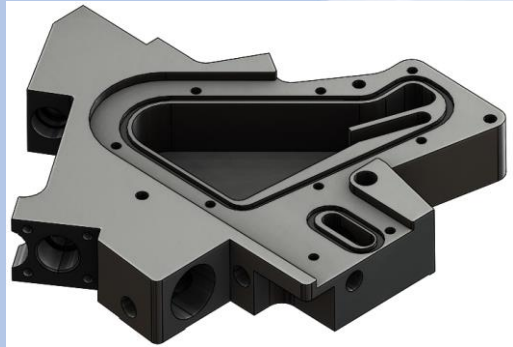
HYDROGEN POWERED TUGGER'S
(Albany Airport, New York)



007 SPY CAR 50th ANNIVERSARY
James Bond Movie Car - "Die Another Day"



SOLAR BIKE SHARE SYSTEM
(Miami Beach, Florida)



MATERIALS

- Acetal
- PVDF
- G10
- ULTEM
- PEEK
- Delrin
- All types of Steel
- Stainless Steel
- MIC-6
- All types of Aluminum
- Brass
- Copper
- Titanium
- Polycarbonate
- Acrylic
- Polypropylene
- Nylon
- ABS
- Polyvinyl Chloride
- UHMW

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