



HLH | PROTOTYPES
PROTOTOOL
PRODUCTION

RAPID PARTS

High Quality Rapid Prototypes, Rapid
Injection Molding, and Rapid Parts

HLH, WE MAKE THINGS FOR YOU

ABOUT US

“WE MAKE THINGS FOR YOU”



CUSTOMERS

3000+ satisfied repeat customers and counting



QUALITY

100% outgoing inspection



SERVICE

7 languages, 24 hours a day



HIGH TECH

Synergy of software and hardware



FAST

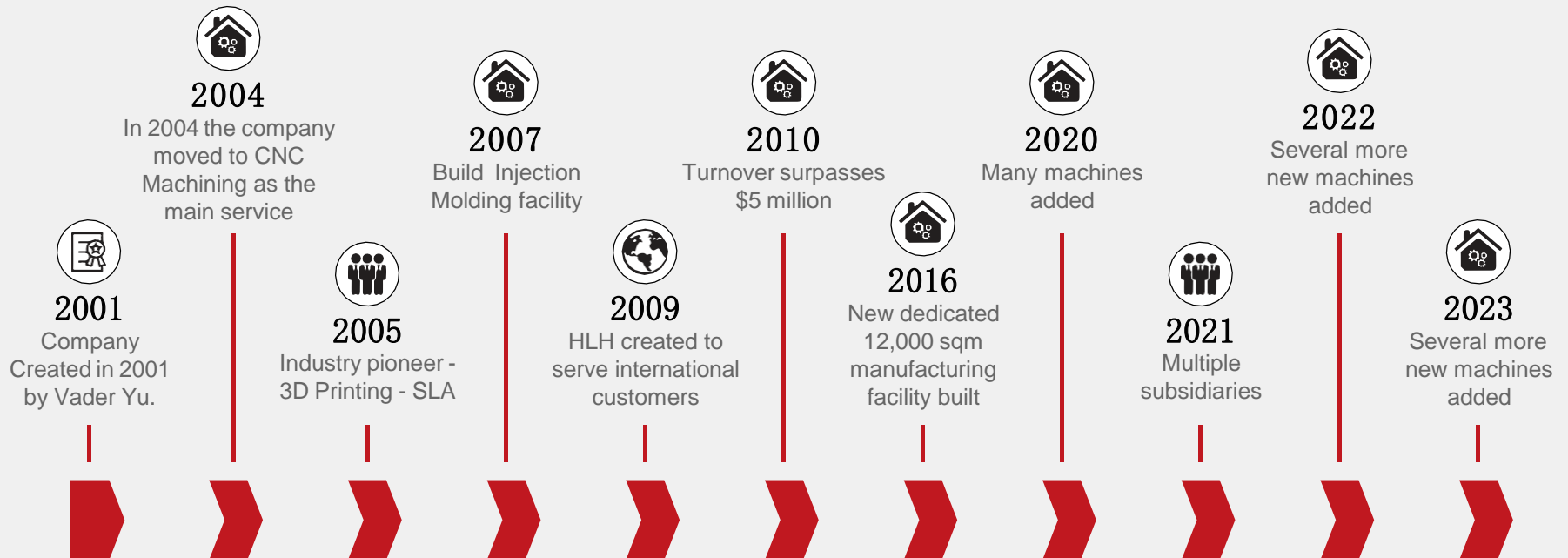
Prototypes in 1 day, Injection molded parts in 5 days

HLH HISTORY

"WE MAKE THINGS FOR YOU"

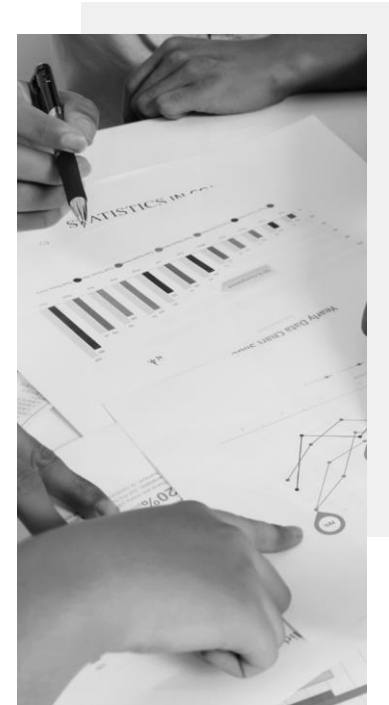
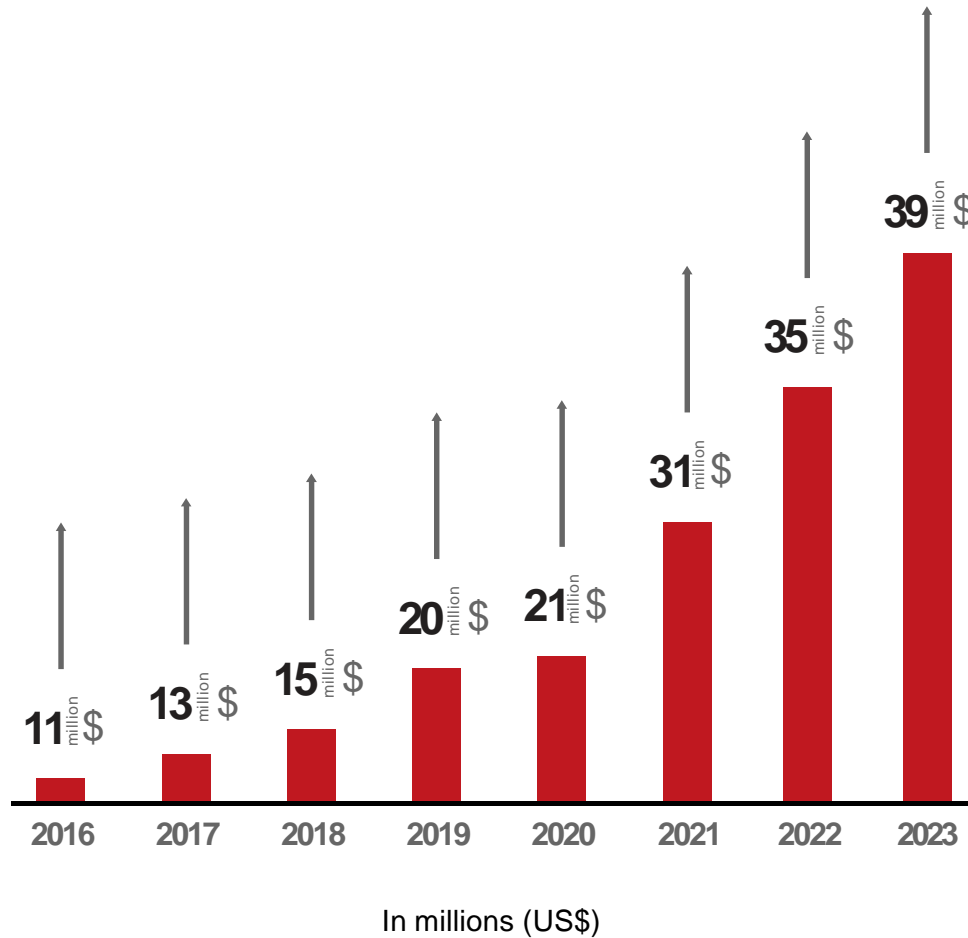
THE FUTURE

Helping our clients create innovative futures



FINANCIALS

“WE MAKE THINGS FOR YOU”



CERTIFICATE

“WE MAKE THINGS FOR YOU”

ISO/IEC 27001:2013



ISO 14001:2015



ISO 9001:2015



IATF 16949

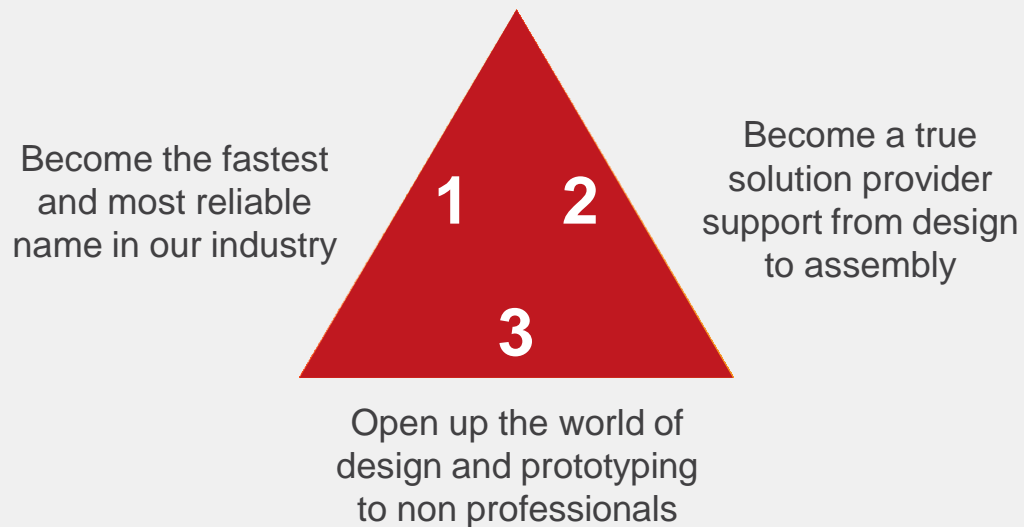


D-U-N-S Certification



VISION

“WE MAKE THINGS FOR YOU”



WHY HLH?

“WE MAKE THINGS FOR YOU”

Our culture and processes are designed to rapidly provide parts in industry-leading delivery times

SPEED



ISO 9001:2008
PPAP
FAI
Material
Analysis

QUALITY



CAPABILITY



80+ engineers
10+ designers

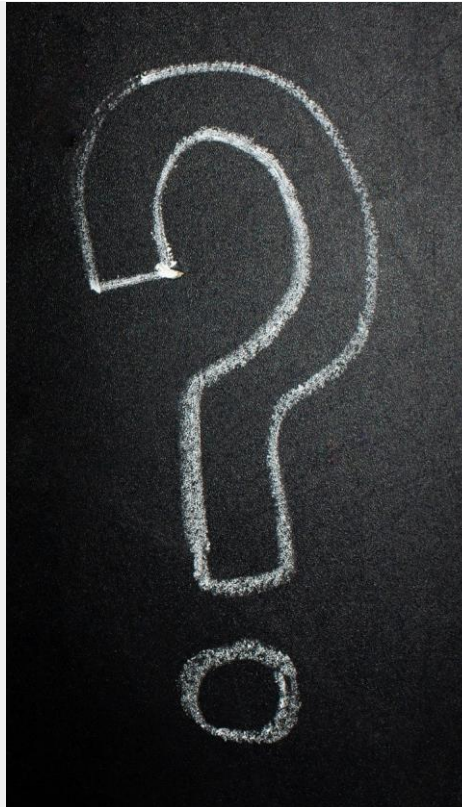
20+ years of
accumulated
experience

State of the
art Equipment

SERVICE

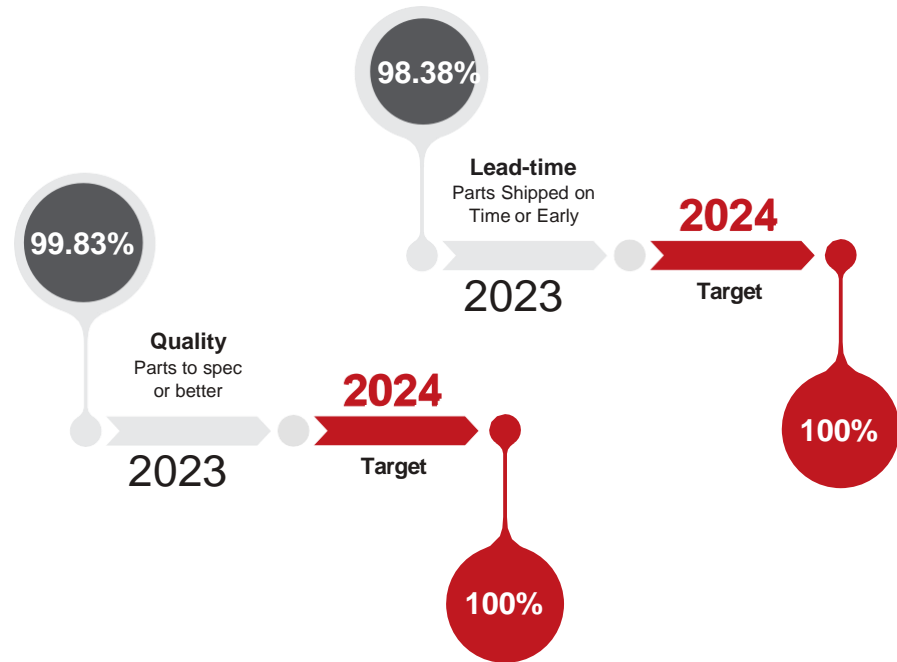


We aim to
always put the
customer first
in every
decision we
make



KEY METRICS

“WE MAKE THINGS FOR YOU”



SATISFIED CUSTOMERS

“WE MAKE THINGS FOR YOU”



CHINA



EUROPE



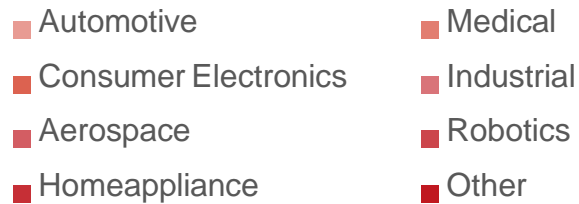
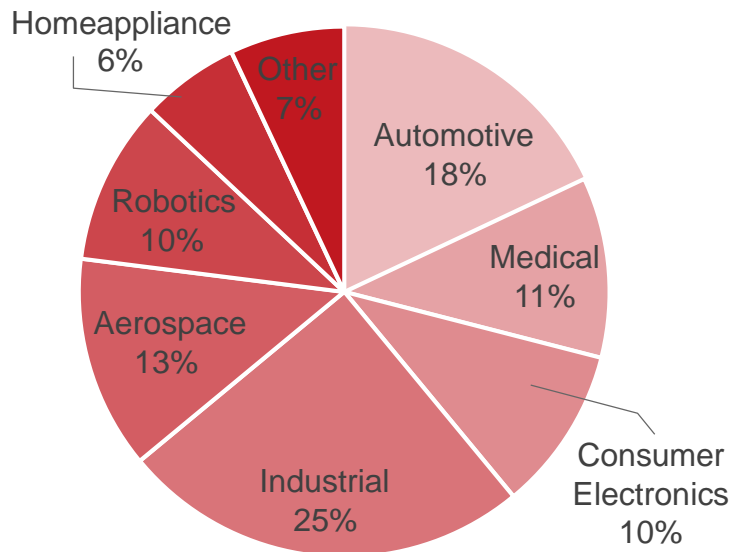
NORTH AMERICA



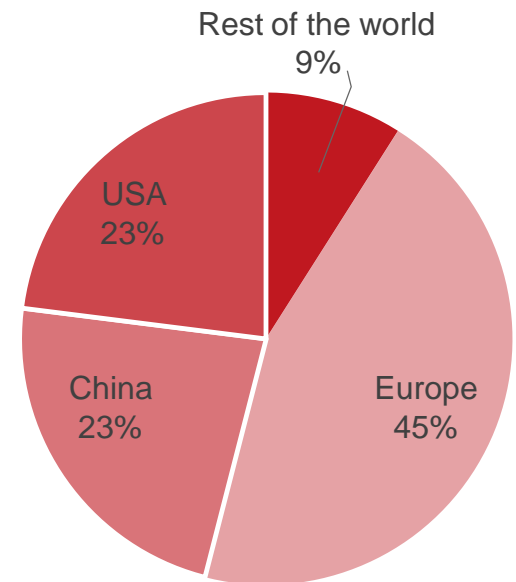
MARKETS

“WE MAKE THINGS FOR YOU”

INDUSTRIES



REGIONS



OVER \$500, 000 INVESTED IN QC EQUIPMENT

“WE MAKE THINGS FOR YOU”



CMM
Projector
Material Analysis
Hardness Testers
Surface Finish Testing
Checking gauges...

PROCESS SERVICE

SHEET METAL

VACUUM CASTING

3D PRINTING

CNC MACHINING

INJECTION MOLDING

安全管理 提高效率

H L H , W E
S F O R

M A K E T H I N G
Y O U

CNC MACHINING

“WE MAKE THINGS FOR YOU”



CNC MACHINING PLASTIC

Over 150 CNC plastic machining machines.

Highest precision: $\pm 0.05\text{mm}/100\text{mm}$

Fastest delivery time: 4 days

Most grades plastics available

Materials: ABS, PMMA (Acrylic), POM (Acetal/Delrin), Anti-static POM, PC, FR PC, PC+ABS, PA (Nylon), PPO, PA+GF, PP, PE, PPSU, PBT, PPS, PVC, Transparent PVC, EPP, Black PEEK, PTFE, PEI, Polyester, Bakelite, Silicone, Carbon fiber, Etc.

CNC MACHINING

“WE MAKE THINGS FOR YOU”



CNC MACHINING METAL

Over 200 CNC metal machining machines.

Highest precision: $\pm 0.05\text{mm}/100\text{mm}$

Fastest delivery time: 4 days

Most grades of metals available

Materials: Aluminum Alloys (2024, 6061, 6063, 6082, 7075, ADC12), Bronze, Brass, Copper, Stainless Steel (201, 301, 304, 316, 409), Steel (Galvanized, Hot Rolled, Cold Rolled, Alloys, Low Carbon, High Carbon, Tool Steel), Titanium Alloy, Magnesium Alloy, Zinc Alloy, Etc.

VACUUM CASTING

“WE MAKE THINGS FOR YOU”

More than 10 vacuum casting machines and casting ovens, suitable for low volume production.

Highest precision: $\pm 0.05\text{mm}/100\text{mm}$

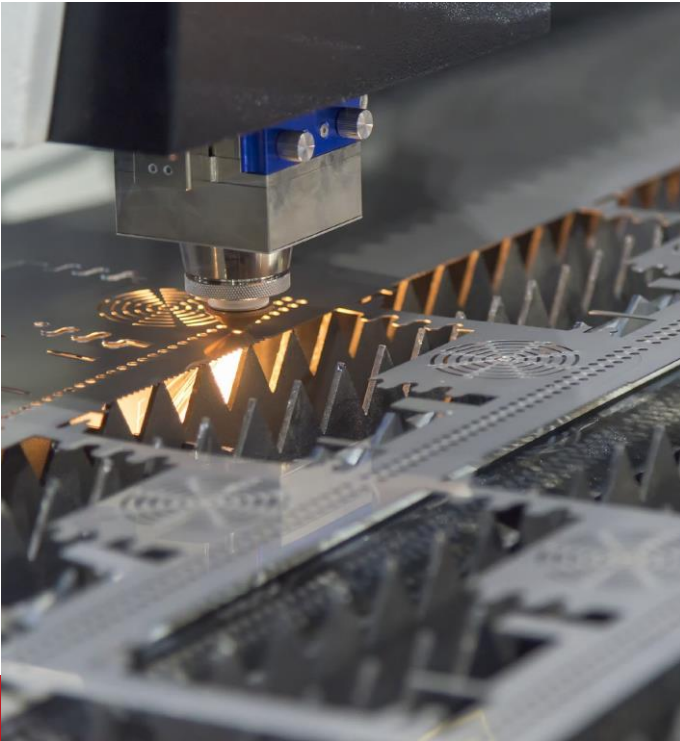
Fastest delivery time: 5 days

Materials Properties Similar to: ABS, PP, PC, PA, PMMA, POM, Polyurethane PU
(Transparent, Soft, Rigid), Soft Rubber, Translucent/Transparent Silicone, Etc.



SHEET METAL

“WE MAKE THINGS FOR YOU”



35 pieces of sheet metal processing equipment such as laser cutting, bending and press forming.

Highest precision: $\pm 0.05\text{mm}/100\text{mm}$

Fastest delivery time: 5 days

Materials: Aluminum Sheets (6061, 6063, 1060, 7075), Aluminum Profiles, Stainless Steel(301, 303, 430, 316), Steel (Spring, A3, Silicon, Tin-plated), Tinplate, T2 copper, Brass, Copper (Purple, Beryllium, Foreign White), Sheet (Electrolytic, Pickled, Cold Rolled -SPCC, Hot Rolled-SHCC, Galvanised - SECC, SGCC, Carbon Steel), Etc.

STAMPING

“WE MAKE THINGS FOR YOU”



35 pieces of sheet metal processing equipment such as laser cutting, bending and press forming.

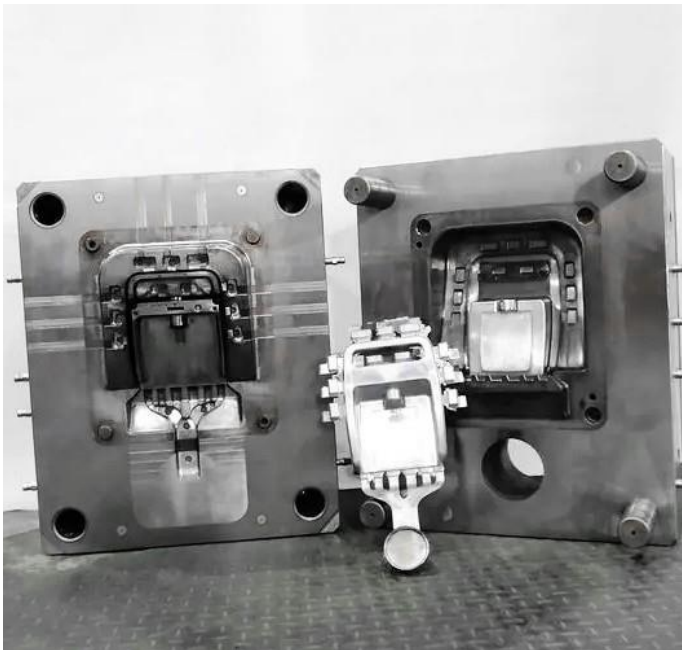
Highest precision: $\pm 0.2\text{mm}/100\text{mm}$

Fastest delivery time: 2 days

Materials: Aluminum Sheets (6061, 6063, 1060, 7075), Aluminum Profiles, Stainless Steel(301, 303, 430, 316), Steel (Spring, A3, Silicon, Tin-plated), Tinplate, T2 copper, Brass, Copper (Purple, Beryllium, Foreign White), Sheet (Electrolytic, Pickled, Cold Rolled -SPCC, Hot Rolled-SHCC, Galvanised - SECC, SGCC, Carbon Steel), Etc.

DIE CASTING

“WE MAKE THINGS FOR YOU”



Specialize in research and precision production, 20+ Die Casting Machines, With 180T to 3000T. We primarily serve the automotive, machinery, industrial, led heatsink telecom, robot engine and electronics industries

Highest precision: $\pm 0.3\text{mm}/100\text{mm}$

Fastest delivery time: 10 days

Materials: A380, A360, ADC12, ZAMAK3, ZAMAK5 , Etc.

RAPID TOOLING

“WE MAKE THINGS FOR YOU”



Over 100 lathes, milling machines, EDMs, injection moulding machines and other processing equipment. With a mould life of up to 10,000 pieces, the cost savings is approximately one third of a production mould. Time savings.

Highest precision: $\pm 0.05\text{mm}/100\text{mm}$

Fastest delivery time: 2 weeks

Materials: PET, POM, PC, PC+GF, PBT, PBT+GF, PA (6, 66, 610, 612), PPA, PPA+GF, PPS, PMMA, PPSU, ABS, ABS+GF, PC+ABS, PP, PP+GF, PP, PEEK, PE, GPPS, HIPS, ABA, TPU, TPE, Silicone, Etc.

Special Properties: Fire Resistant, UV Resistant, Food Grade, Glass Filled, Carbon Filled, Medical Grade, Impact resistant, High Temperature, Etc.

3D PRINTING SERVICES

"WE MAKE THINGS FOR YOU"

If you can imagine it, **HLH** can 3D print it.



SLA 3D Printing

Build Size: 800 x 800 x 550 mm

Standard Lead Time : 2-3 days

Resolution : $\pm 0.2\text{mm}$

Materials : ABS, Clear ABS, etc



SLS 3D Printing

Build Size: 345 x 345 x 420 mm

Standard Lead Time : 2-3 days

Resolution : $\pm 0.2\text{mm}$

Materials : PA, PA + GF



FDM 3D Printing

Build Size: 500 x 500 x 400mm

Standard Lead Time : 2-3 days

Resolution : $\pm 0.3\text{ mm}$

Materials : PLA, etc



SLM 3D Printing

Build Size: 420 x 420 x 450 mm

Standard Lead Time : 3 days

Resolution : $\pm 0.3\text{ mm}$



MJF 3D Printing

Build Size: 380 x 280 x 380 mm

Standard Lead Time : 2-3 days

Resolution : $\pm 0.3\text{ mm}$



MJP 3D Printing

Build Size: 300 x 180 x 150 mm

Standard Lead Time : 2-3 days

Resolution : $\pm 0.05\text{ mm}$

FINISH

Plastic Products:

1. Smooth
2. Polish
3. Brush
4. Silk Screen
5. Paint(Matt, Gloss)
6. Rubberized paint
7. Water Transfer
8. Laser Etch/Laser Engrave
9. Electroplate
10. Texture
11. Fully Transparency
12. Pad print
13. Color Transfer Etc.

Metal products:

1. Smooth
2. Polish
3. Brush
4. Silk Screen
5. Paint
6. Rubberized paint
7. water transfer
8. Laser Etch/Laser Engrave
9. Electroplate
10. Chrome Plate
11. Deburr
12. Sand Blast/Bead Blast
13. Anodic oxidation
14. Anodize
15. Black Oxide
16. Powder coat
17. Heat treatment
18. Anneal
19. Passivation
20. PVD
- Etc.

"WE MAKE THINGS FOR YOU"



INDUSTRIES SERVED



Automotive



Aerospace



New Product
Development



Architectural
display



Medical



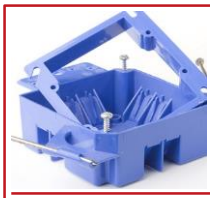
Robotics



Consumer
Electronics



Craft jewelry



Industrial



UA
V



Sheet Metal



Packaging



Optics



Hand Tools



Sporting
Equipment



Apparel

HLH | PROTOTYPES
PROTOTOOL
PRODUCTION

THANK YOU

HLH, we make things for you



HLH Website



HLH LinkedIn



bonnie@HLHPrototypes.com



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