PLATINUM
GLOBAL SOURCING

PROFESSIONAL, RAPID PROTOTYPING & MANUFACTURING

RAPID PROTOTYPING, RAPID TOOLING AND LOW VOLUME PRODUCTION

2016

RAPID PROTOTYPING, RAPID TOOLING AND LOW VOLUME PRODUCTION

Delivering superior quality, service and reliability with three (3) standard production factories, and World Class technology.

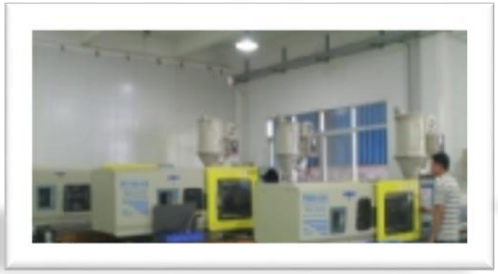
- 270 Skilled Staff
- 45 CNC Machines
- 3 Vacuum Casting Machines
- 40 other assorted processing machines
- Operating 24-7 to assist customers requiring very tight deadlines

After we receive your 3-D CAD data in a number of formats (IGS, STEP, X-T etc.), we are able to produce your parts and deliver them to you typically in 7-10 days.

Providing extremely fast turn-around times.

VARIOUS WORKSHOPS

CNC Machining Workshop



Injection Workshop

Anti Dust Spray Painting

Model Finishing Workshop

Vacuum Casting Workshop

Rapid Tooling Workshop

SECTORS WE SERVE

Car Components
- Console Components
- Bumpers
- Tail lights

Household Appliances
- Refrigerator
- Coffee Maker
- Vacuum Cleaner

Electronic Products
- Cash Register
- Display Screen
- Printer

Medical Equipment/Monitor
- Type B Ultrasonic
- Detectors

Commodities
- Toothbrush
- Air Cleaner
- Stroller

Other
- Steel Machined Parts
- CNC Machining – Basic Finish/Smooth Parts
- Acrylic Transparent

OUR SERVICES

CNC PROTOTYPE

Forty five (45) CNC machines, which make prototypes in high efficiency with the max dimension up to 800mm* 600mm *500mm.

VACUUM CASTING

Three (3) sets of vacuum casting machines, which can cast prototypes with the max dimension up to 200mm* 1200mm* *1000mm. Accurately reproducing the prototypes with original color, over-mold, texture and geometries from the master model and components.

ALUMINUM PROTOTYPE

Different classes of Aluminum material in single block or welding. (Aluminum materials: AL6061(made in China), AL6061-T6 (made in USA), AL6082, AL5080, AL5083, AL2014 etc..)

SHEET METAL PARTS

We can support projects from simple bent sheet metal prototypes to complex mechanical assemblies.

RAPID TOOLING

Steel mold and plastic injection production line which can provide low volume production for customers.

DIE CASTING

Pressure die casting is a process where metal is melted and forced into steel dies. The metal hardens into the desired shape. Molten metal is injected into a die cavity through a channel by movement of a plunger.

CNC PROTOTYPE

Our prototypes in CNC include:

- Car Components
- Home Appliance
- Medical & Monitor
- Electronic Products
- Commodities

Our surface treatment system can do transparent parts, plating parts, painting parts.

VACUUM CASTING

Vacuum Casting is a widely used process in rapid prototyping, typically used for building functional prototypes out of a broad range of polyurethanes and other polymers.

We can accurately reproduce the prototypes with original color, over-mold, texture and geometries from the master model and components. One silicone mold can cast about 15 to 20 pieces of parts.

Materials: Transparent PU, Soft plastic PU, ABS PU, PP/PE PU, Polycarbonate PU purchased from Hei-Cast, Axson and BJB companies.

ADDITIONAL SERVICES

SLA/SLS PROTOTYPE

Material:
SLA: DSM Somos 11120 &11140
SLS: EOS PA2200&PA3200GF

EXTRUSION

Extrusion technique for special aluminum parts.

SILICONE (RUBBER) PARTS

Silicone and rubber parts, such as key pads, silicone buttons, rubber seals, gaskets.

OPTIONAL SURFACE FINISH

PAINTING (COSMETIC PAINT, NON-COSMETIC PAINT)

Anti-dust Spray Painting Rooms with 4 sets of spray equipment and several senior painting engineers. We offer rubber painting, Bi-component painting (car painting) and common painting with all different materials and a series of textures: matte, silky, bright, charmille texture, metallic or "soft touch", on plastic or metal parts.

METALLIC PLATING

A surface finish to protect the metal surface from rust. It creates a good appearance and makes plastic parts look like metal parts. Offering plating on ABS, PMMA, NYLON, PC, Steel, Zinc, Brass.

ANODIZING

Another surface finish for aluminum parts to protect surface.

We can also provide perfect surface finish like EMI Shielding, Textures & Mold-Tech® Finishes with Cast-in Capabilities, Hardware (inserts, screws, etc.), Assemblies.

PLATINUM
GLOBAL SOURCING

14095 BOURNEMUTH, SUITE 104, SHELBY TWP., MI 48315
TEL: 586-932-4040 FAX: 586-932-4042
WWW.PLATINUMGLOBALSOURCING.COM