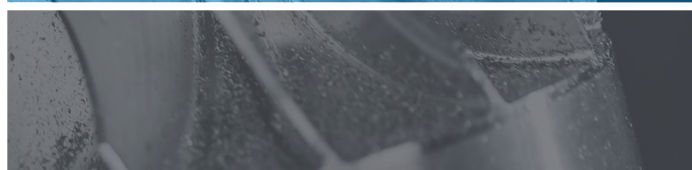
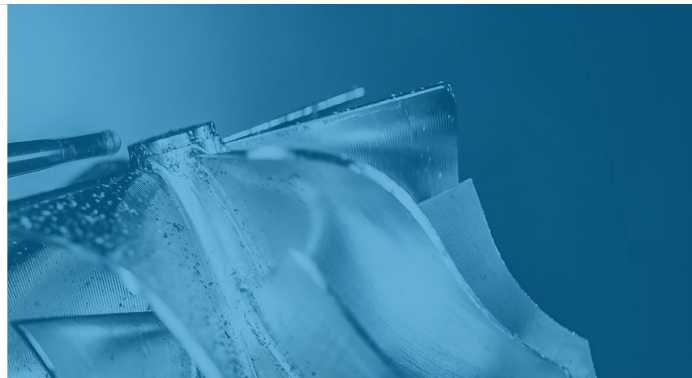




**3ERP**  
EXCELLENT • EFFICIENT • ECONOMIC



## **3E** RP Presentation- 2017

[www.3erp.com](http://www.3erp.com)

# The "3-E" Difference

- Excellence in Precision
- Efficiency in Production
- Economically Priced



## CONTENT

WHO IS 3ERP 3ERP TODAY	1
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RAPID TOOLING/INJECTION MOLDING	6
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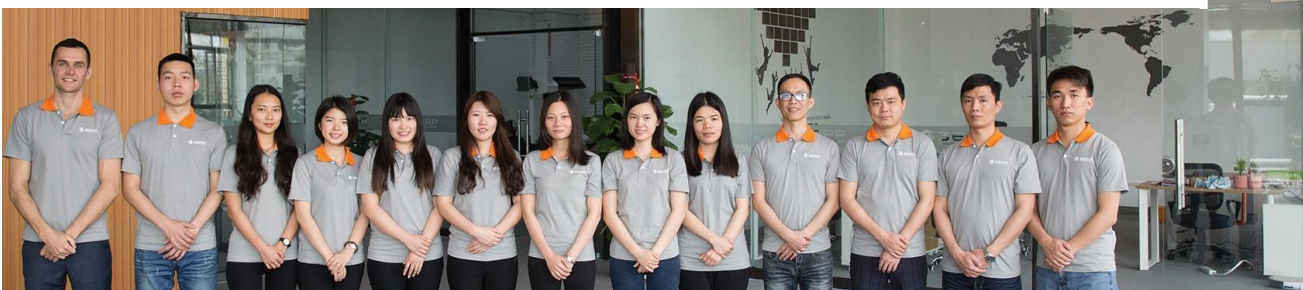
# WHO

## IS 3ERP

3E Rapid Prototyping (3ERP) is an ISO certified manufacturer, built on the philosophy of 3Es, namely **Excellent, Efficient and Economic**, along with a dedicated team and the latest techniques to ensure your project runs successfully. Whether you need to have that complicated part produced from a 3D visualization, or you'd just like the final stages of your product for display in a top-level meeting, 3ERP can assist you with those needs.



[www.3erp.com](http://www.3erp.com)





**3ERP**

# TODAY

Employees:

**65**

Full Time

Revenue **6** Million  
Annual USD



Long Term \$ **0.00**  
Debt:

Ownership: **PRIVATELY  
HELD**

Modern  
**6000**  
ft\*2 Facility

**100%**  
export overseas

# 3 ERP

## MISSION

Globally recognized for our technical and total value solutions. Exceed customer, employee, community. expectations within a zero complaint culture.



### CUSTOMER

Offer globally competitive total value solutions by utilizing leading edge technologies.



### EMPLOYEE

Provide our employees with skills, career development, security, and competitive benefits.



### COMMUNITY

Viewed as a reputable, safe, and environmentally conscious employer.



# 3 ERP

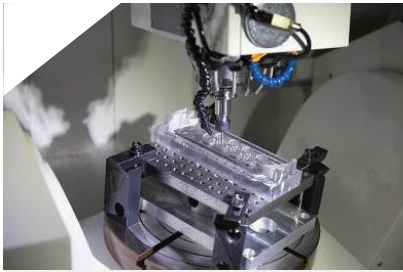
## PARTNERS



# CORE MANUFACTURING CAPABILITIES

At 3E Rapid Prototyping, We are dedicated to make the world's best prototypes and precision parts for a wide range of industries.

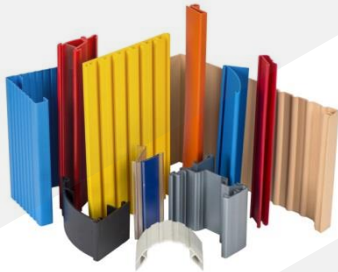
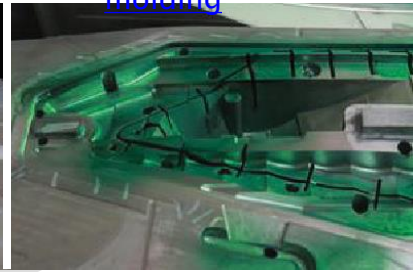
[CNC machining](#)



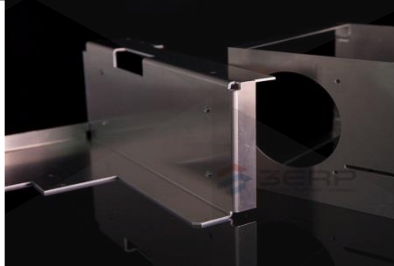
[Vacuum casting](#)



[Rapid tooling](#)  
[Injection molding](#)



[Extrusion](#)



[Sheet metal prototyping](#)



Surface finishing

## Value Added & Decorative Operations

And we can do more!

- |   |                         |                   |
|---|-------------------------|-------------------|
| ■ Outsourcing for investment casting              | ■ Post machining        | ■ Blasting Pad    |
| ■ <a href="#"><u>Low volume manufacturing</u></a> | ■ Anodizing             | ■ Printing        |
| ■ Quick turnaround production                     | ■ Sanding And Polishing | ■ Screen Printing |





# CNC MACHINING SERVICES

## IN-HOUSING FACILITIES:

- |                                       |         |
|---------------------------------------|---------|
| • 3 Axis CNC milling (2 HAAS branded) | 12 sets |
|                                       | 4 sets  |
| • 4 Axis CNC milling                  | 5 sets  |
|                                       | 2 sets  |
| • 5 Axis CNC milling (2 HAAS branded) | 2 sets  |
| • CNC Turning                         | 1 set   |
| • EDM                                 |         |
| • Grinding                            |         |

## MATERIAL

### METALS

- Aluminum
- Brass/Bronze
- Copper
- Magnesium
- Stainless Steel
- Steel
- Titanium
- Zinc

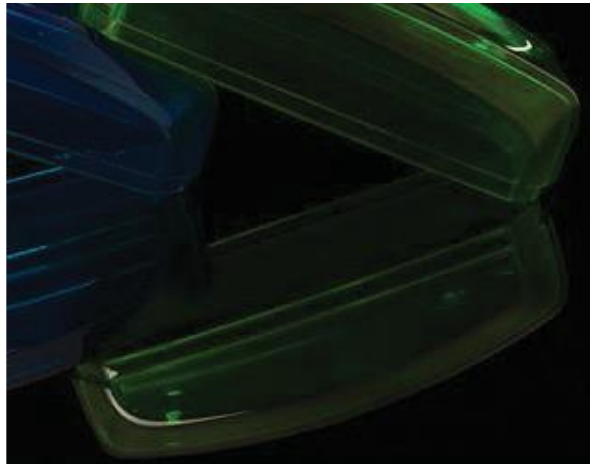
### PLASTICS

- ABS
- Acrylic
- Delrin
- Fiberglass
- PEEK
- PVC
- Polycarbonate
- Polyethylene
- Polyurethane
- Teflon

## APPLICATION:

- Jigs & Fixtures
- Rapid tooling R & D projects
- Posting machining CNC
- prototyping End-use parts
- Turnkey mechanical solutions

# VACUUM CASTING



## APPLICATIONS:

### LOW-VOLUME PRODUCTION

Urethane cast parts are perfect for low-quantity production — as well as for first run production parts, which can be completed weeks before production tooling is ready, when volumes do not justify investment in injection mold tooling

### ADVANCED PROTOTYPING

The urethane casting process and relatively inexpensive tooling involved makes it easy and economical to make any necessary design changes. Additionally, different materials can be used with the same mold, making it possible to test designs with a variety of materials.

### MARKET TESTING

End-user functionality and a high-quality finish makes urethane cast parts ideal for consumer testing, user evaluation and concept models. Using the cast urethane process means that changes can be incorporated quickly for either further testing or market launch.

## Materials:

■ Urethane Casting

## Finishes:

■ Parts are built with a smooth, high-quality surface finish and your choice of color.

3ERP can provide additional processing, including custom painting and hardware installation, to meet your needs.



# CUSTOM EXTRUSION

---

## APPLICATION

- Custom profile
- Quick turnaround
- Assembly protocols
- Weight reduction

## MATERIAL

- Aluminum
- Brass/Bronze
- Copper
- Stainless Steel
- Plastic

## FINISHING

- Anodizing
- Plating
- Powder Coating
- Custom finishes



# SHEET METAL FORMING

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## PROCESS

- Laser Cutting
- Sheet Metal Brake
- Hydraulic Breaks
- Magnetic Breaks
- Sheet Metal Punch
- Welding

## MATERIAL

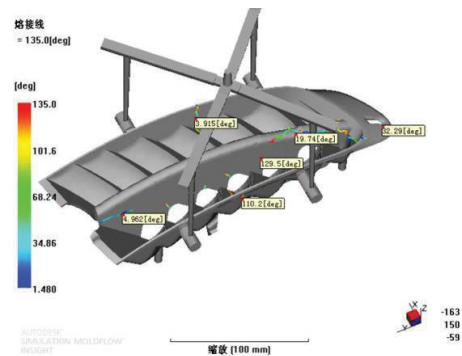
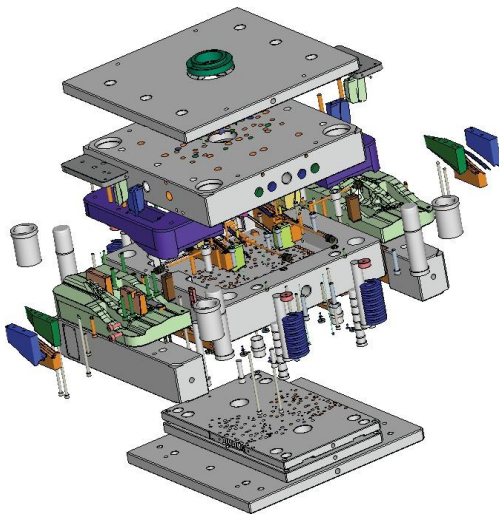
- Aluminum
- Brass/Bronze
- Copper
- Stainless Steel
- Steel

## CUSTOM FINISHES

- Variety of finishes including
- Anodizing
  - Plating
  - Powder coating
  - Painting

# RAPID TOOLING INJECTION MOLDING

- Aluminum and hardened steel tooling
- Short run, in as little as 15 days.
- Custom surface quality finishes
- Over-molding to combine different types of plastic in one





# FINISHING SERVICES

## STANDARD

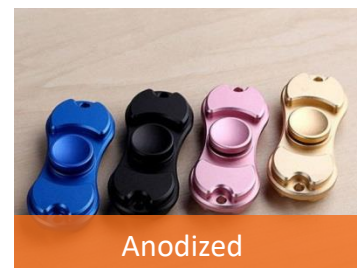
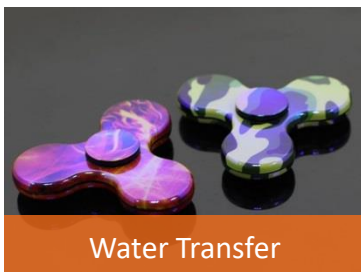
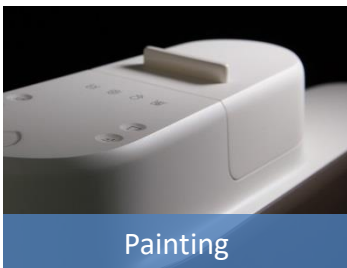
Minimal post-processing or treatment on parts is done.

## BEAD BLAST

The part surface is left with a smooth, matte appearance.

## CUSTOM

Anodizing  
Sanding & Polishing  
Blasting  
Pad Printing Screen Printing  
Custom finishes are available







# QUALITY INSPECTION

ISO 9001-2015 Certified

Full time QC

Height Gauge

Profile projector

CMM Coordinate Machine

Olympus met  
Tester



## Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 1732892**

Certificate Holder:



**3E Rapid Prototyping Limited**

Unified Social Credit Code: 91442000MA4W397E3K  
Registration Address: Unit 2, No. 18-1, Gangkou Avenue,  
Gangkou Town, Zhongshan City, Guangdong Province  
528447, P. R. China  
Operation Address: same as above

Scope: **Manufacturing and Sales of Metal and Plastic Prototype**

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2017-10-03 until 2020-10-02. It remains valid subject to satisfactory surveillance audits.

This certificate information can be searched on CNCA official website <http://www.cnca.gov.cn>

2017-10-09

*K. J. J. J.*  
TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

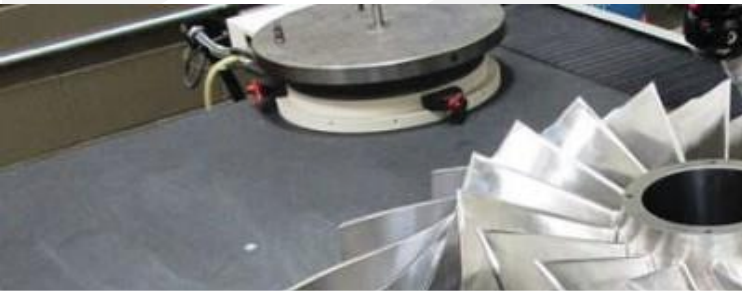
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