



# HIGH-STAR

## C O R P O R A T I O N

*A Michigan based one stop shop for  
engineering and manufacturing solutions*



- ▶ Established in 2002, High-Star Corporation (HSC) became a Michigan Based manufacturing and engineering facility, specializing in both prototype and production manufacturing for wide array of products.
- ▶ In 2018, HSC relocated its operation to Westland, MI, adding capabilities, such as welding, bending, stamping, and assembly.
- ▶ In 2020, HSC acquired EZ Carrier Mobility, to better serve those in need of a reliable transport lift at an affordable price.
  - ▶ **High-Star Corporation is lead by its President Son Do, an MSEE graduate from the University of Michigan. Son leads the organization with his strong technical, entrepreneurial, and leadership skills tuned from his 22 years of working experience at Ford Motor Company. During his time with Ford he was responsible for; manufacturing operations, process improvement, cost containment, practicing lean principles, and new supplier development.**

## BACKGROUND



- ▶ HSC operates in 21,000 sq. ft. facility located at 6171 Commerce Dr, Westland, MI 48185
- ▶ This facility offers room for expansion and growth, as the area is spacious and open to new construction.

**FACILITY**



- ▶ ISO 9001:2015 (C2023-00121)
- ▶ Minority Business (M101911)
- ▶ CAGE Code (32VA8)

# CERTIFICATIONS



- ▶ Full Time Employees: 10
- ▶ Part Time Employees: 5
- ▶ Markets: 50% Agricultural, 30% recreational vehicles, 20% other

## ORGANIZATION DETAILS

► **Who We Are:**

- One-stop shop for engineering design and manufacturing needs
- Full in-house engineering capability, manufacturing facility, and warehouse.
- A team of innovative thinkers and experts offering knowledge from various technical industries.

► **What We Do:**

- Precision machining, castings, forgings, weldments, prototypes, production, tube assembly and service parts.
- Specialize in lower volume and high precision, after-market and service parts
- In addition, High-Star has partners both domestic and international for high volume and lower cost production.

► **How We Can Help:**

- Engineering design for manufacturing
- Additional capacity & capability
- Improve your business bottom line
- Manage supply chain and deliver packaged finished product to your facility

**CUSTOMIZED SOLUTIONS FOR YOUR NEEDS**



## Capabilities:

- ▶ Export/ import
  - ▶ Aftermarket/private label
- ▶ Product development/ engineering support / 3D Imaging
- ▶ Casting/ forging/ plasma & laser cutting/ machining
- ▶ Metal fabrication and welding (MIG/ TIG)
- ▶ Tube bending/ forming, cutting and assembly
- ▶ Seamless transition from prototype to production
- ▶ Offering value-added services
- ▶ Kitting, packaging & handling



## Customer's ROI:

- ▶ Full service supplier and strategic partner
  - Tier 1 and Tier 2 level*
- ▶ One-stop shop for engineering and manufacturing
- ▶ Accountable business partner
- ▶ Experience with OEMs and supplier practices

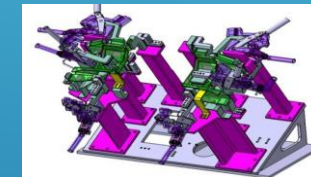
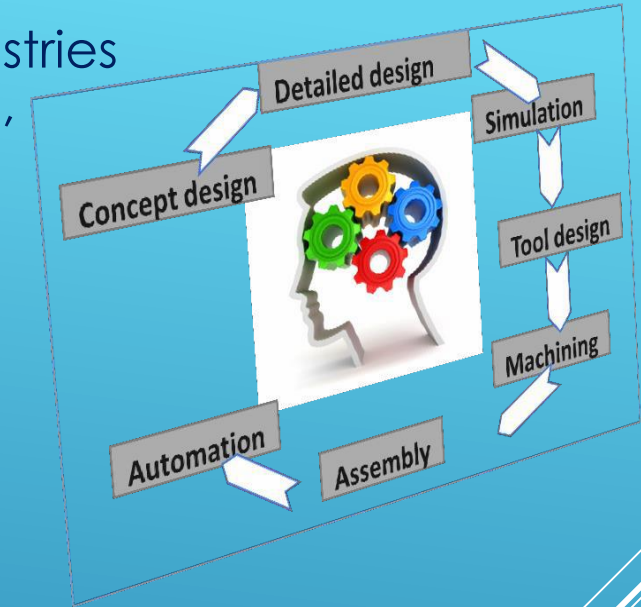
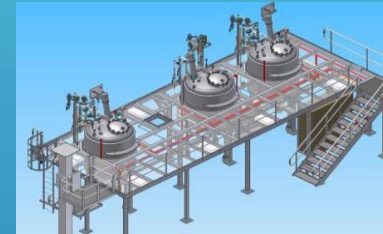
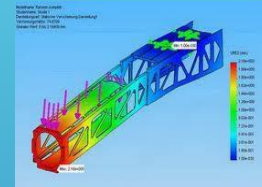
- ▶ We are a FULL SERVICE supplier integrating engineering, manufacturing, & fabrication.
  - Let us eliminate your need to manage multiple suppliers for a project.

# HERE TO SERVE OUR BUSINESS PARTNERS

- ▶ We offer a wide range of mechanical engineering services for industries such as aerospace and aviation, automotive, marine and shipping, transportation and logistics and many more.

- ▶ Below we have listed services we provide:

- CAD conversion services
- 3D modeling and rendering services
- Scanning and measurement services
- Finite element analysis - FEA services
- Prototyping and rapid prototyping services
- Design for Manufacturing (DFM) services
- Reverse engineering services
- Project management...



- ▶ For more information, please refer to the presentation
  - ▶ **HIGH-STAR: A ONE-STOP SHOP FOR ENGINEERING!**

# ENGINEERING AND DEVELOPMENT

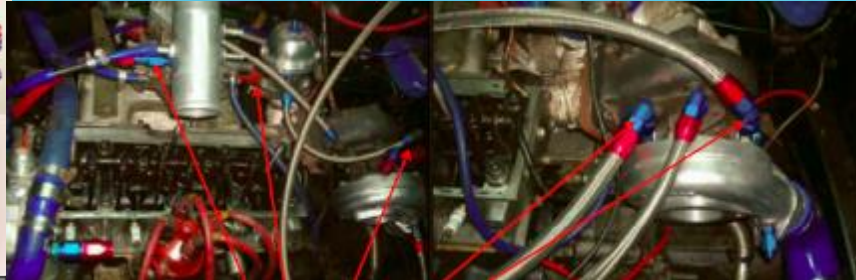




**OUR CLIENTS**



CONNECTOR



OIL PIPE



V-BAND CLAMP



WASTE GATE

BOV-WRX, BOV-SFRL



# AFTERMARKET AND PRIVATE LABEL





# COMPONENTS AND ASSEMBLIES

## Class5 Truck/Goverment



## Heavy Truck Class 8



**MACHINING, CASTING, FORGING, & STAMPING**



## Agriculture Parts



**MACHINING, CASTING, FORGING, & STAMPING**

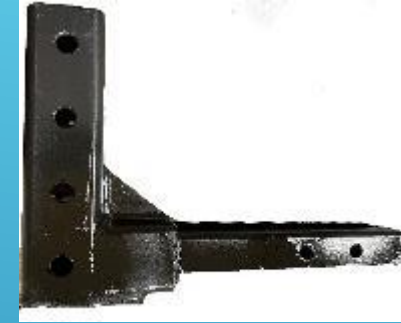


## Aquatic/Military Parts



# MACHINING, CASTING, FORGING, & STAMPING

Weldment / press brake/ wing brake/ hydraulic presses/  
roller flattener/ steel roller/ assembly



**FABRICATION & ASSEMBLY**



- Metal joining (manual or robotic welding):
  - Gas metal arc welding (GMAW/MIG); gas tungsten arc welding (GTAW/TIG) & spot welding (RSW)
- Other metal joining capabilities including:
  - Torch brazing/ silver solder & copper braze/ riveting/ special adhesives



## WELDING & METAL JOINING

## Eliminate the need to outsource to multiple vendors

1. Powder coating
2. Anodizing/plating
3. Heat treating
4. Surface / finish grinding
5. Rapid aluminum & steel moldings
6. Plastic injection molding
7. Laser & waterjet cutting
8. Large stampings and many more.



**VALUE ADDED SERVICES**





**MOBILITY OEM**

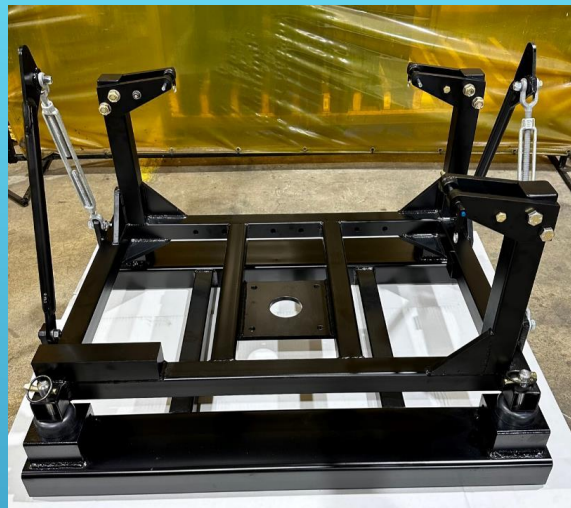
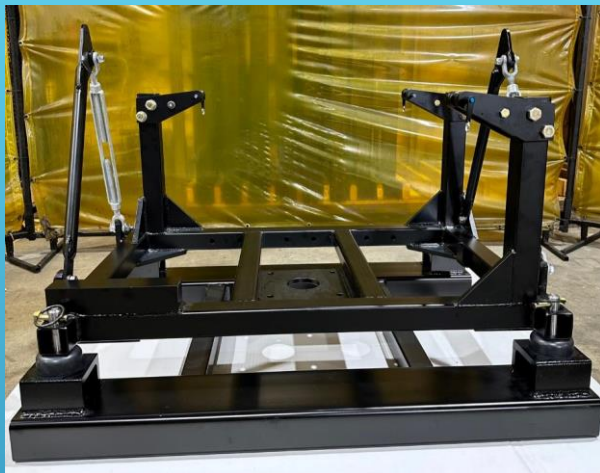
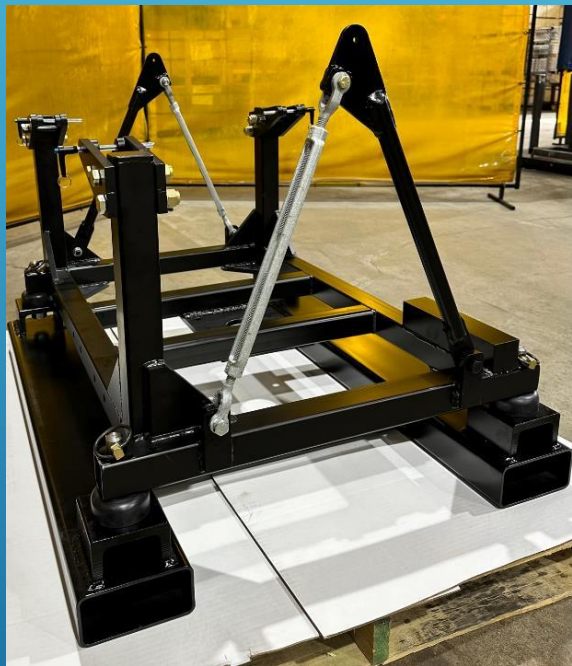






**MATERIAL HANDLING**





# AVIATION SUPPORT BOEING 737-800 APU STAND





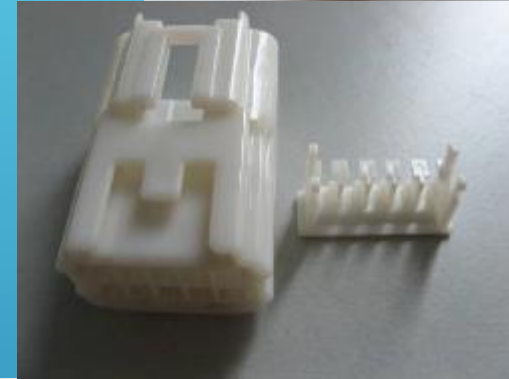
**ATV OEM**





**MOTORCYCLE OEM**

# HS Plastic Injection Molding & Mold Maker Partner



**INTERNATIONAL PARTNERS & JV**

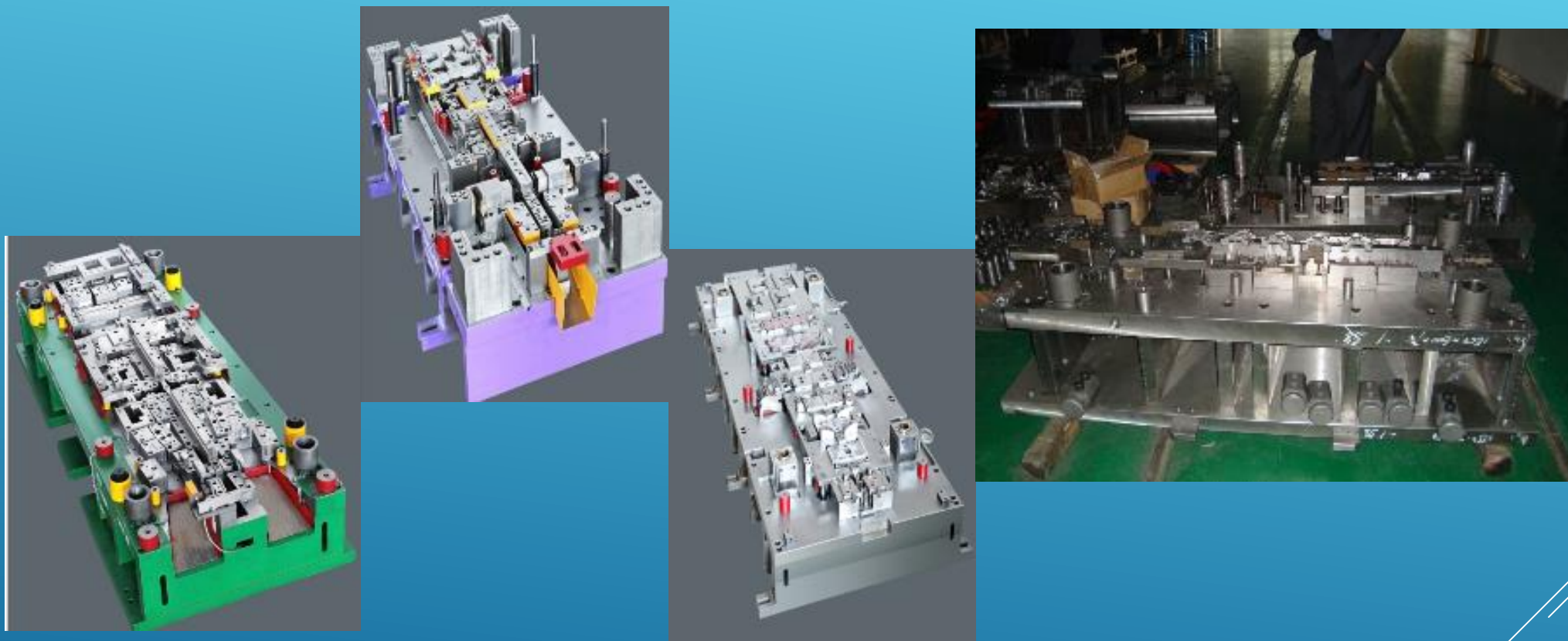


## Tool, Die, & Fixtures



## INTERNATIONAL PARTNERS & JV

# HS Stamping Die Partner in China



**INTERNATIONAL PARTNERS & JV**



- Tool, Die, & Fixture



**INTERNATIONAL PARTNERS & JV**

# HS Gauging and Holding Fixture Partner



**INTERNATIONAL PARTNERS & JV**

**We are a full-service supplier, with the necessary tools and resources to help grow your business.**

As our partner, you will be able to:

**Consult with our in-house engineers**

Communication barriers are virtually non-existent

**Receive manufacturing-ready deliverables**

3D, 2D, detail, and component print

**Grow your business**

Efficiently scale your engineering and CAD staff to meet demands

**Increase your bottom line**

Save tens of thousands of dollars per resource

**Meet deadlines**

Knowledgeable staff on call to quickly solve problems and stay on schedule

**PARTNERSHIP MUTUAL BENEFITS**



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# THANK YOU FOR YOUR TIME!

Feel free to visit us on the web at [www.high-star.us](http://www.high-star.us)

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## CONTACT US