



# HLJ Metals



## HLJ Metals

contract manufacturer of die castings and tooling

[www.hljmetals.com](http://www.hljmetals.com)





## **HLJ Metals**

***Solutions for Global Outsourcing of Aluminum  
Die Casting & Ductile Iron Casting***

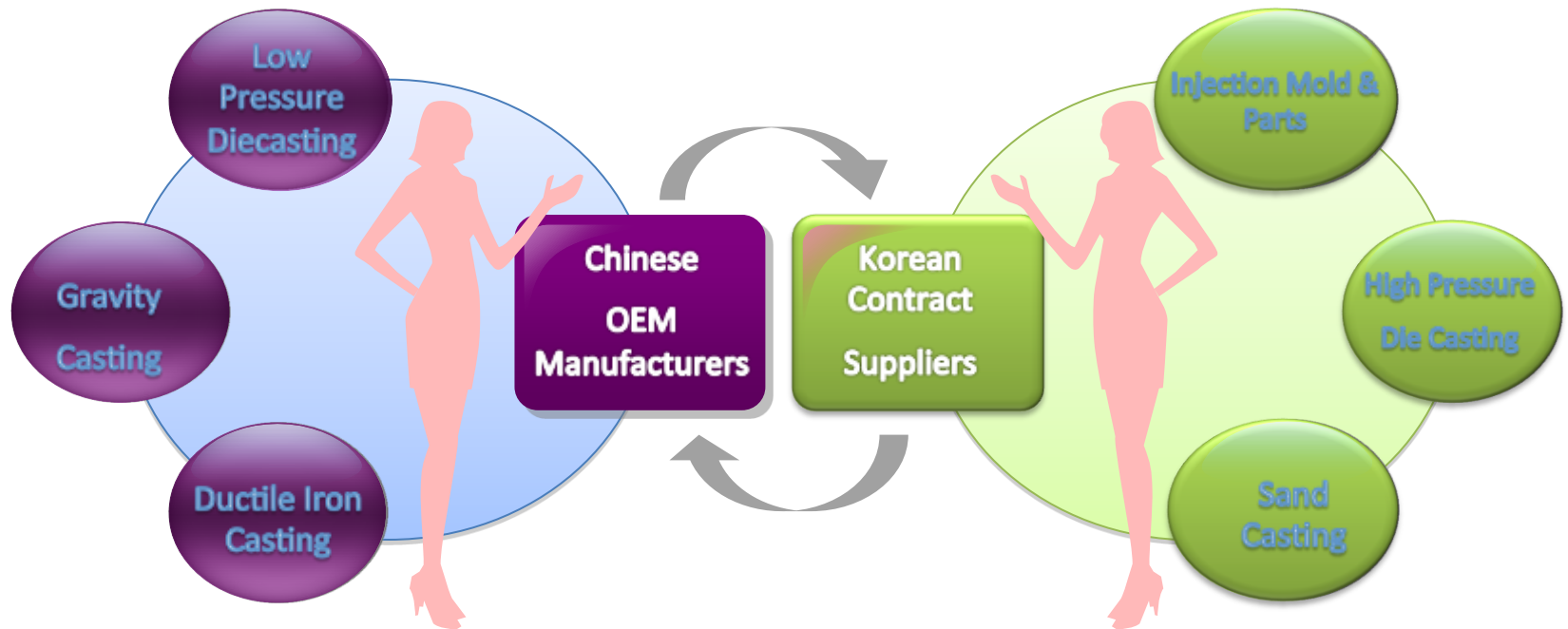


- HLJ Metals is an overseas sales operation for a consortium of Chinese and Korean contract/OEM manufacturers of aluminum die casting and ductile iron casting for the automotive and non-automotive industries.
- The manufacturers HLJ Metals represents are ISO/TS 16949 certified suppliers of aluminum high pressure die casting, low pressure die casting, gravity casting; grey iron casting, sand casting and ductile iron casting; and plastic injection molding.
- HLJ Metals provides sophisticated, one-stop-shop supply chain solutions to meet customers' specific needs. From production management to quality control, logistics and other important functions, HLJ Metals' services cover the entire supply chain end-to-end.
- The core products HLJ Metals supplies are:

- *Water pump housings*
- *Charge air cooler tanks*
- *Cylinder heads*
- *Intake manifolds*
- *Power steering parts*
- *Diff cases*
- *Carriers*
- *Flywheels*
- *Wheel hubs*
- *Air brake hubs*
- *Injection molds for front grilles, bumpers, floor consoles, and trunk lids*



*Competitive Pricing, High Quality & On-Time Delivery*





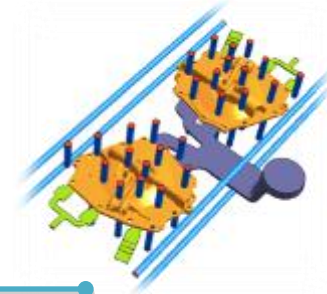
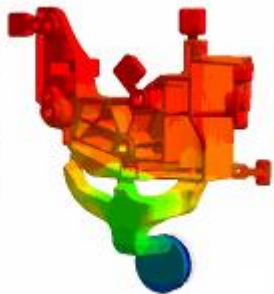
# Aluminum High Pressure Die Casting



**Part Name** Engine Bracket  
**Material** A380 / A383  
**Weight** 1.88Kg  
**Tonnage** 800 Ton

**Part Name** Water Pump Housing  
**Material** A380 / A383  
**Weight** 0.45Kg  
**Tonnage** 350 Ton

Alt. Strain Rate Sequence: 0.0012 (144)



AnyCasting



**Part Name** Auto Tensioner Parts  
**Material** A380 / A383  
**Weight** 0.25Kg  
**Tonnage** 350 Ton



**Part Name** Cover-Oil Pump  
**Material** A380 / A383  
**Weight** 1.45Kg  
**Tonnage** 800 Ton

# Aluminum Gravity Casting



**HLJ Metals**



Part Name: Transmission Housing  
Material: AC3AM



Part Name: Intake-Manifold  
Material: AC3AM



Part Name: Power Steering  
Material: AC3AM



## Aluminum Gravity Casting



**HLJ Metals**

Part Name: CAC Tank  
Material: AC4C



Part Name: Water Pump Housing  
Material: AC4C



Charge Air Cooler for  
Engine Cooler Module



Engine Water Pump



Part Name: CAC Tank  
Material: AC4C



Part Name: water Pump Housing  
Material: AC4C





# Aluminum Low Pressure Die Casting



**HLJ Metals**



Part Name: Flywheel Housing  
Material: AC4C  
Customer: Iveco



Part Name: Mold for Flywheel Housing  
Customer: Iveco



Part Name: A/C Motor Housing  
Material: AC 4C  
Customer: Daikin Japan



Part Name: A/C Motor Cover  
Material: AC4C  
Customer: Daikin Japan



# Ductile Iron Casting



**HLJ Metals**



Part Name: Diff Case  
Material: J 434 D5506



Differential Case



Part Name: Diff Case  
Material: J434 D5506



Part Name: Final Drive Housing



Final Drive Unit



Part Name: Final Drive Unit

*Diff.-Case*

Complete Product



Machining



Self Inspection



Final Inspection



## Products Auto Camshaft



Ductile Iron



Assembled



Steel



Chilled Iron



**HLJ Metals**





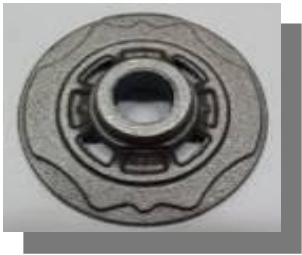
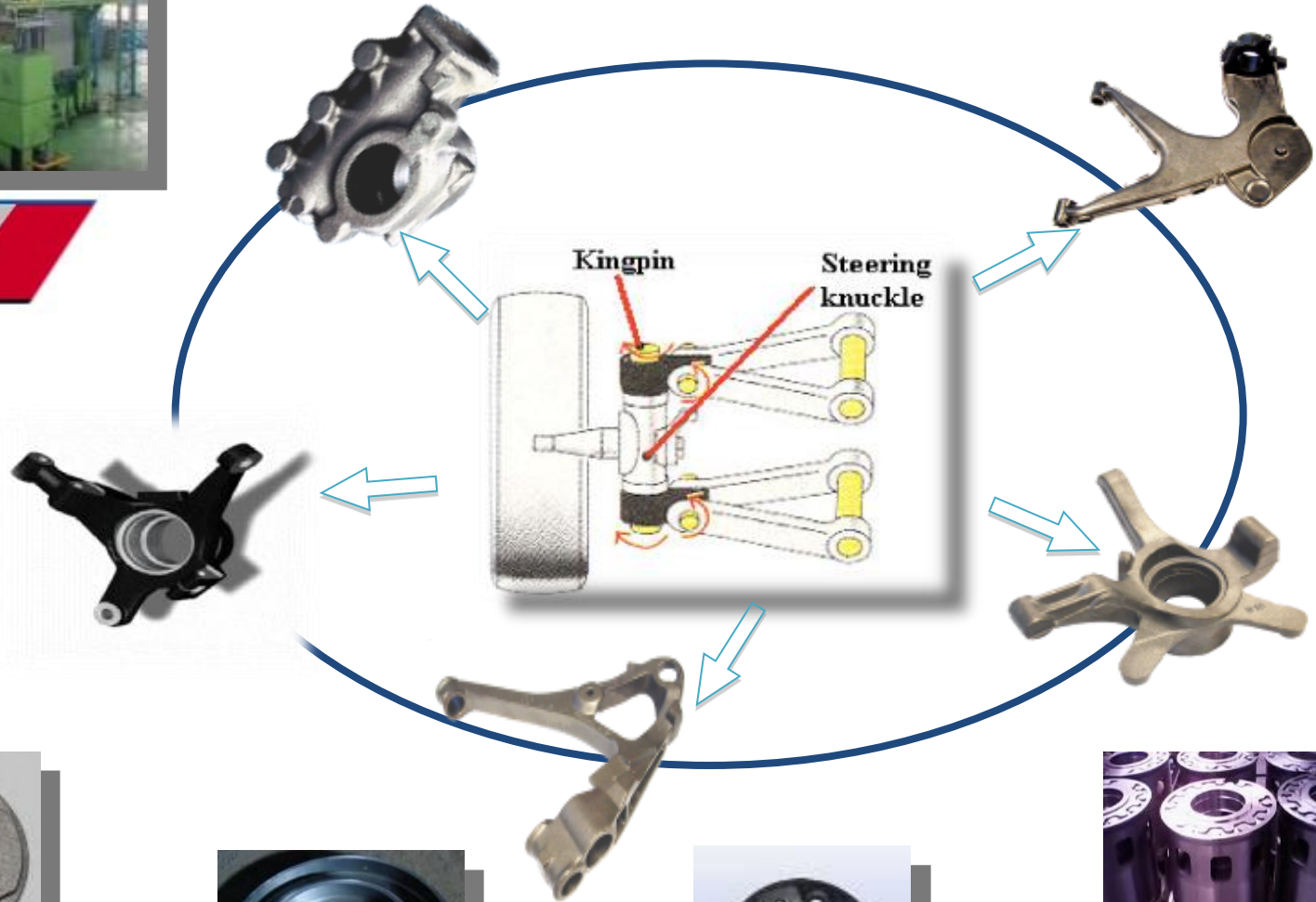
**Raw Camshaft**



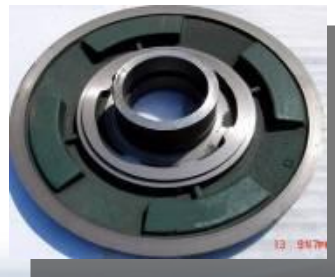
# Ductile Iron Casting Auto Parts



**HLJ Metals**



# Ductile Iron Casting Parts for *Combine Harvesters & Tractors*

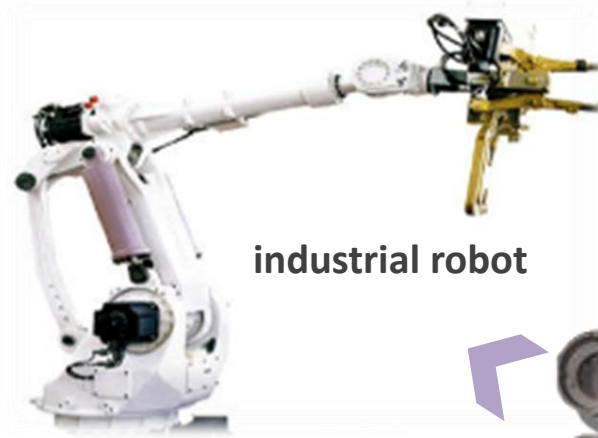


**HLJ Metals**



# Sand Casting

**HLJ Metals**



industrial robot



Sand Casting Parts for industrial robots



Sand Casting Parts for industrial robots

## Windmill



Outlet Chamber

Sand Casting Parts for windmills

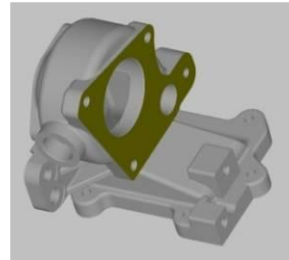


Sand Casting Parts for cooling system.  
Weight: 4 Ton

# Machining Shop



**HLJ Metals**

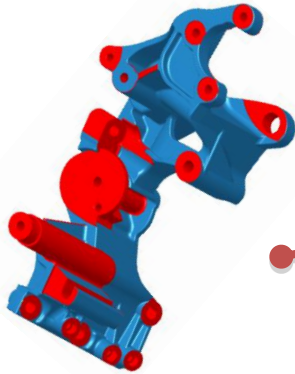


Housing-EGR



Complete Product

Differential Case

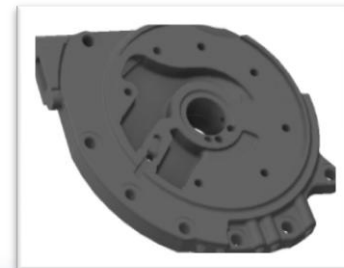
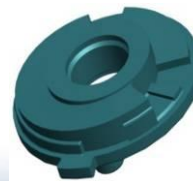
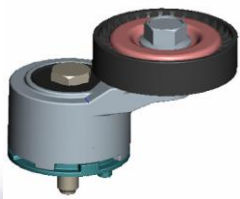


Engine-Bracket

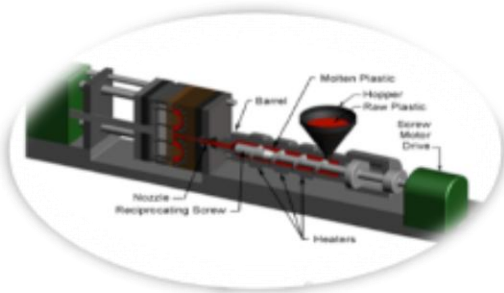


Auto-Tensioner

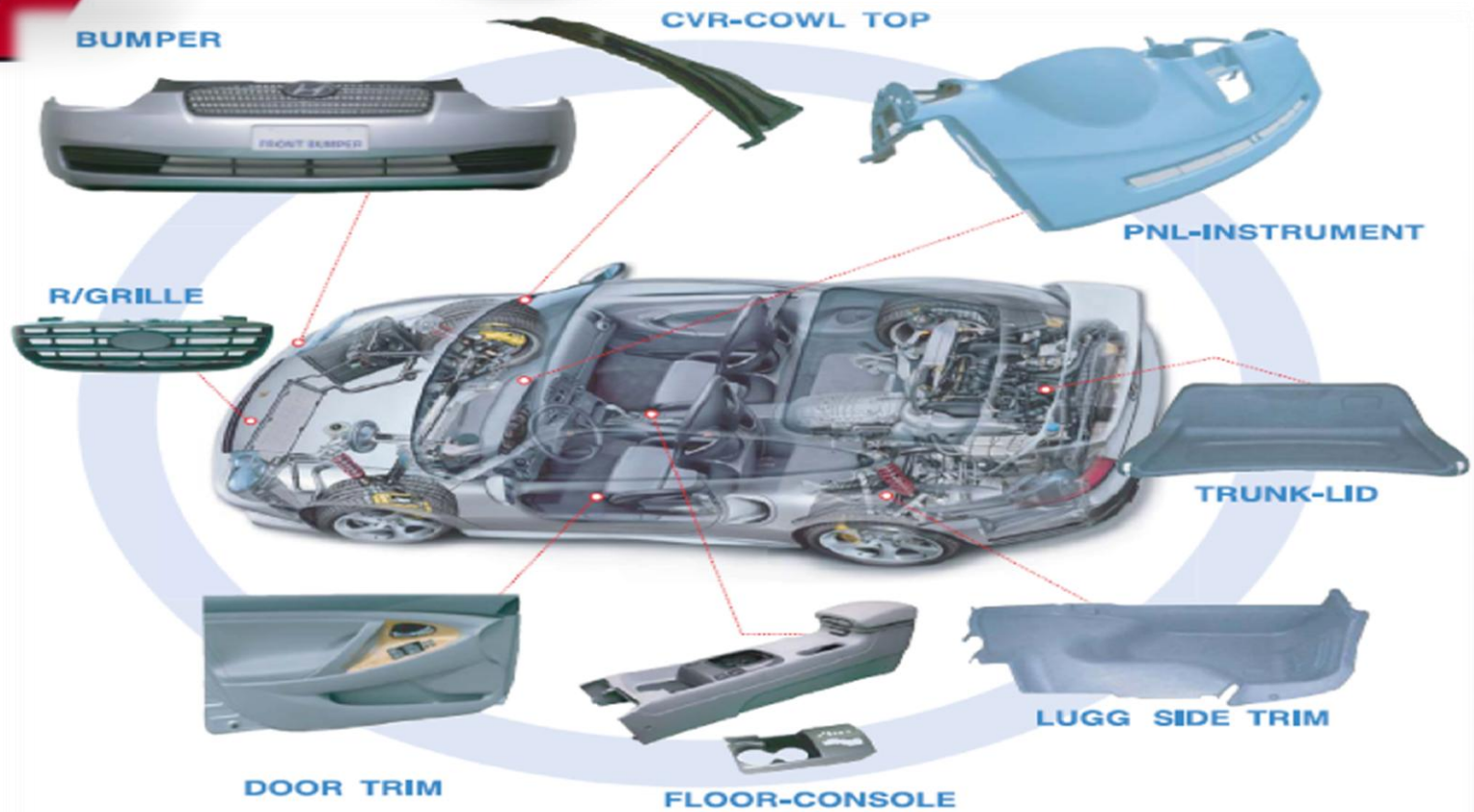
Cover-Oil Pump



# Plastic Injection Parts



**HLJ Metals**

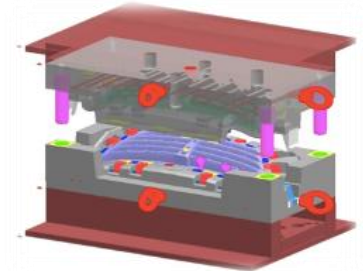




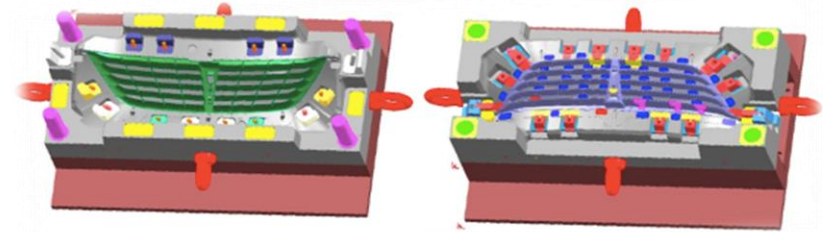
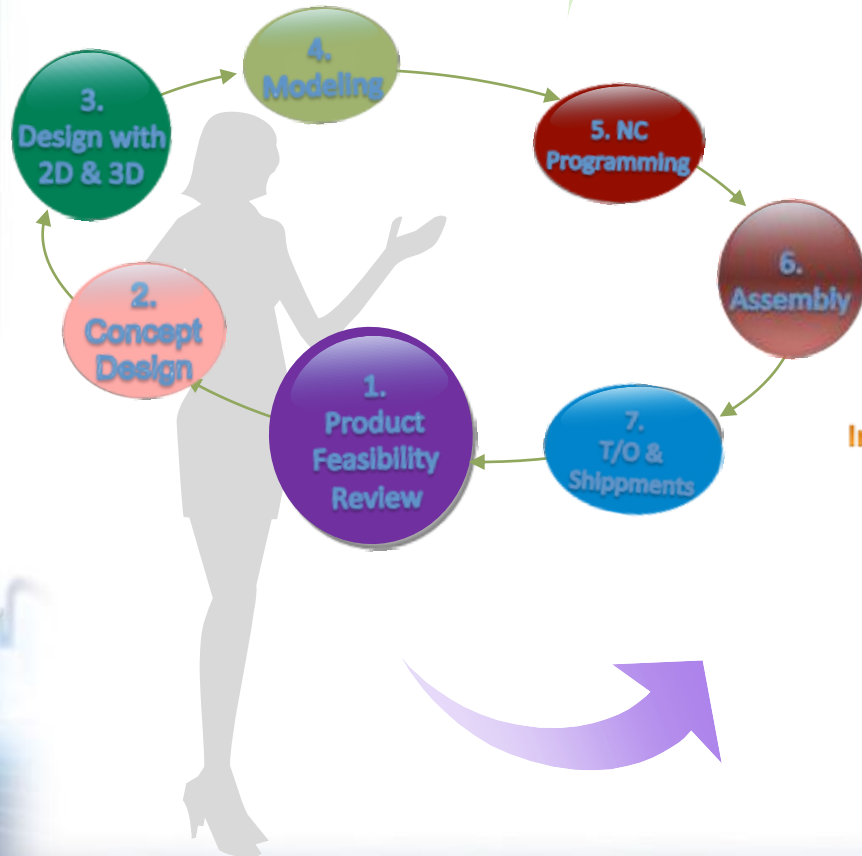
# Die/Mold Design & Construction



**HLJ Metals**

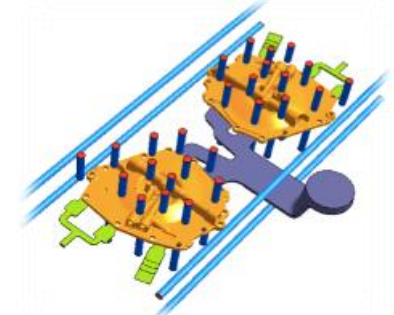
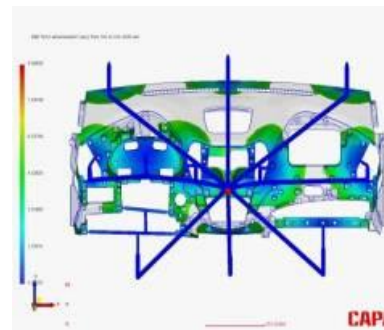


**3D Injection Mold Design & Mfg.**

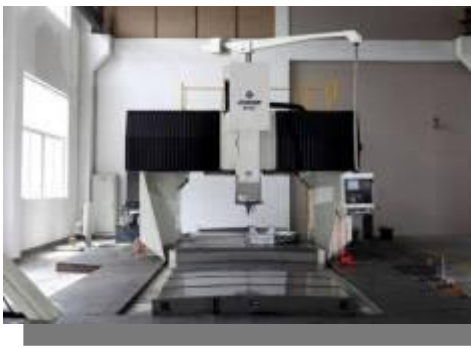


**Injection plastic - Simulation**

**Diecasting / Gravity- Simulation**



## Die & Molds for Auto Parts



Water Pump Housing



Intake Manifold Mold



Crankshaft



Crankshaft Mold



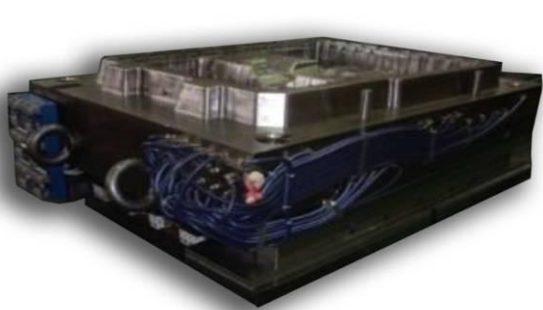
Cylinder Head Die/Pattern

**HLJ Metals**



# Plastic Injection Molds

## Mass Production Injection Mold



### HLJ Metals

Proto Type Material	ZAS (Zinc Alloy Steel ) Melting Temp. 380°C (Recycling Base)
Delivery	About 1~2 Month's
Gaurantee	About 200~300 shots



Mass Production Type Material	HP4 / SKD61
Delivery	About 3 Month's
Gaurantee	About 500,000 shots





# Quality Assurance



**HLJ Metals**



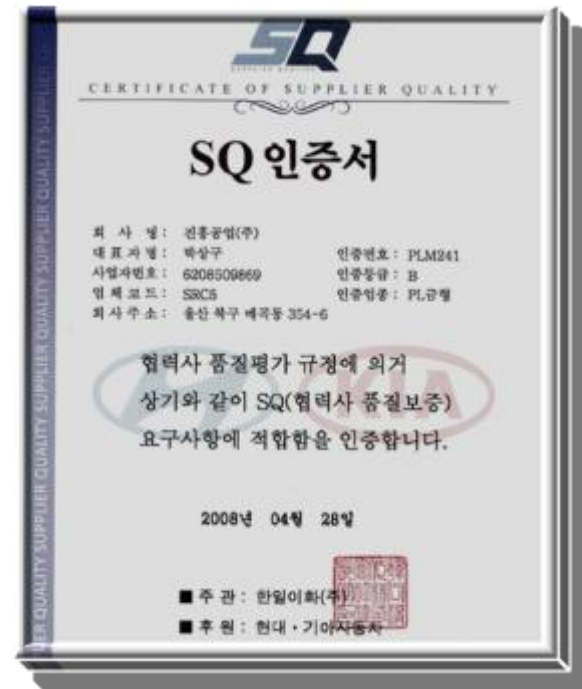


ISO 9001  
TS 16949





HMC/Kia SQ  
Casting Products  
2001.11.08



HMC/Kia SQ  
Injection Molds  
2008.04.28



- ***For more information, please contact us***



## **Canada**

[sales@hljmetals.com](mailto:sales@hljmetals.com)

Tel: +1 647 878 9310

[www.hljmetals.com](http://www.hljmetals.com)



## **China**

[sales@hljmetals.com](mailto:sales@hljmetals.com)

Tel: +86 158 4110 8882

[www.hljmetals.com](http://www.hljmetals.com)





# HLJ Metals

[www.hljmetals.com](http://www.hljmetals.com)

**THANK YOU**

