



KeyTec
Suzhou China

Our Company

- **Established WOFE in 2000**
- **Total investment 18M\$**
- **Fully equiped Toolshop**
- **Metal & Plastic & Decoration**
- **Components & Full Assembly**
- **27000m2 floor space**
- **ISO 14001 certified (2002)**
- **IATF 16949 certified (2004)**
- **ISO 13485 certified (2012)**
- **26.6 M USD Sales (2020)**



Safety Protocol

1. Emergency Phone call **119** or 6665**2081**
2. Follow PPE (personnel protection equipment) requirement
3. Walk ON Green Aisle
4. Green Cross Policy
 - (1). All Potential safety risks can be avoided
 - (2). Zero Safety Incident
5. Be Always Safe In KeyTec
6. Pictures only upon approval



Our mission

We provide Metal and Plastic parts and combine them in Mechatronic Manufacturing Solutions (MMS) for various application areas.

We are a reliable partner during the product life cycle for customers with a focus on technology and innovation.

“We Help Industrialize Your Ideas”



Our company strategy

- Engineering & Manufacturing
- Metal & Plastic technologies
- Surface decoration and assembly
- Creating integrated modules/ products
- Worldwide production facilities
- One roof concept
- Joint focus on worldwide customer support
- Reliability and Trust

“Powerful in Metal-Plastic combinations”

Worldwide production



1. Netherlands

Eindhoven headquarters

Sittard

Proto & Mass production
Metal, Plastic and Assembly



2. Czech Rep.

Ceske Budejovice

Metal, Painting and Assembly



3. China

Suzhou PC

Metal, Plastic, Painting, Decoration
Assembly and Tooling

Suzhou MM

Hongkong Rep. office

Our technologies

Metal

- Deep drawing
- Progression modular stamping
- Bending
- Exotic metals

Plastic

- High volume
- Small series
- Reel to reel
- Insert molding
- 1K - 2K molding
- Engineering plas

Assembly

- Laser welding
- Ultrasonic welding
- Electric welding
- Glueing
- Cinching

Decoration

- Water Based Painting
- Screen printing
- Laser etching
- Tampon printing

CHINA

Tools



Quality in KeyTec group

KeyTec plant	ISO 9001 Quality system	ISO 14000 Environment	IATF 16949 Automotive	ISO 13485 Medical	SA 8000, EICC Social Acc.	ISO 22030 Continuity
Sittard, Netherlands	Certified	Certified	Certified	Compliant EU-MDR	Certified	Certified
Ceské Budejovice, Czech Republic	Certified	Certified	Certified	Not applicable	Certified	Certified
Suzhou, China	Certified	Certified	Certified	Certified	Certified	Certified



Certified



Compliant



Not applicable



We help industrialize your ideas

Customer responsibility portfolio					
Research	Concept	Development	Pre-production	Production	Marketing & Sales
Customer research assistance	Conceptual design	Development	Pre-production 	Production	



Mechanical Design	Assembly design	Tooling	Pilot production	Mass production
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KeyTec Family Company



Warm

Cozy

Transparent





Our customers KeyTec Inside



- Multinational
- Worldwide focus
- Pro active
- Zero-defect Quality

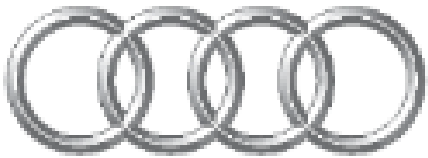


“Powerful in Metal-Plastic combinations”

Honeywell **BT** 



PHILIPS



Audi



mazda



CHRYSLER



CHEVROLET

SIEMENS

**Our customers
KeyTec Inside**

- Multinational
- Worldwide focus
- Proactive
- Zero-defect Quality

“Powerful in Metal-Plastic combinations”

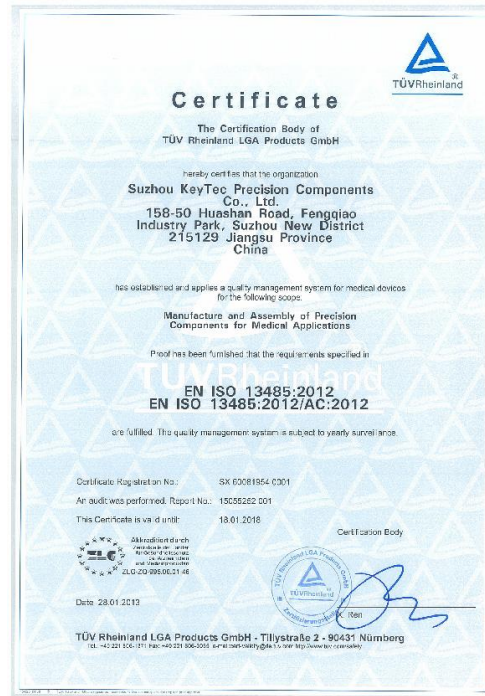
KeyTec
PRECISION COMPONENTS

KeyTec Quality System

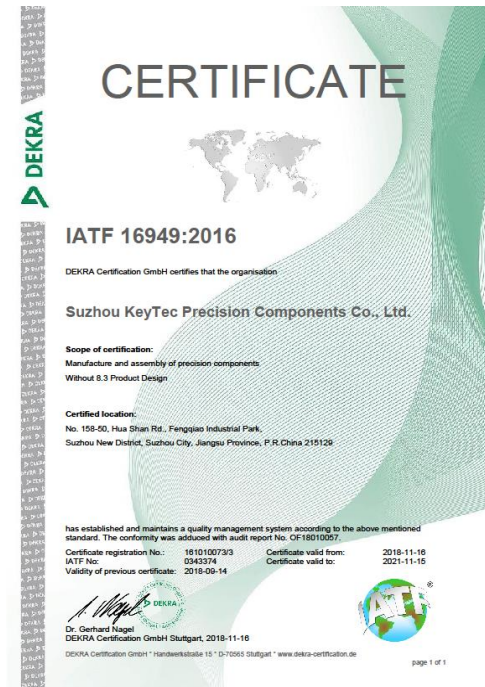
- **ISO 14001 (since 2002)**
- **IATF 16949 (since 2005)**
- **ISO 13485 (TüV, since 2012)**
- **APQP/PPAP**
- **FMEA & MSA/SPC/G-RR**
- **Supplier Quality Assessment (SQA)**
- **8D Action, Continuous Improvement, Training**
- **Conform to ROHS, REACH Registration**



KeyTec Quality System



ISO 13485



IATF 16949



ISO 14001

KeyTec Measuring Capabilities



CMM (2 sets)

VMM (3 sets)

Caliber

Color Meter

Resin Water Inspector

Resin Flux Inspector

Gloss Meter

Life Cycle Validation

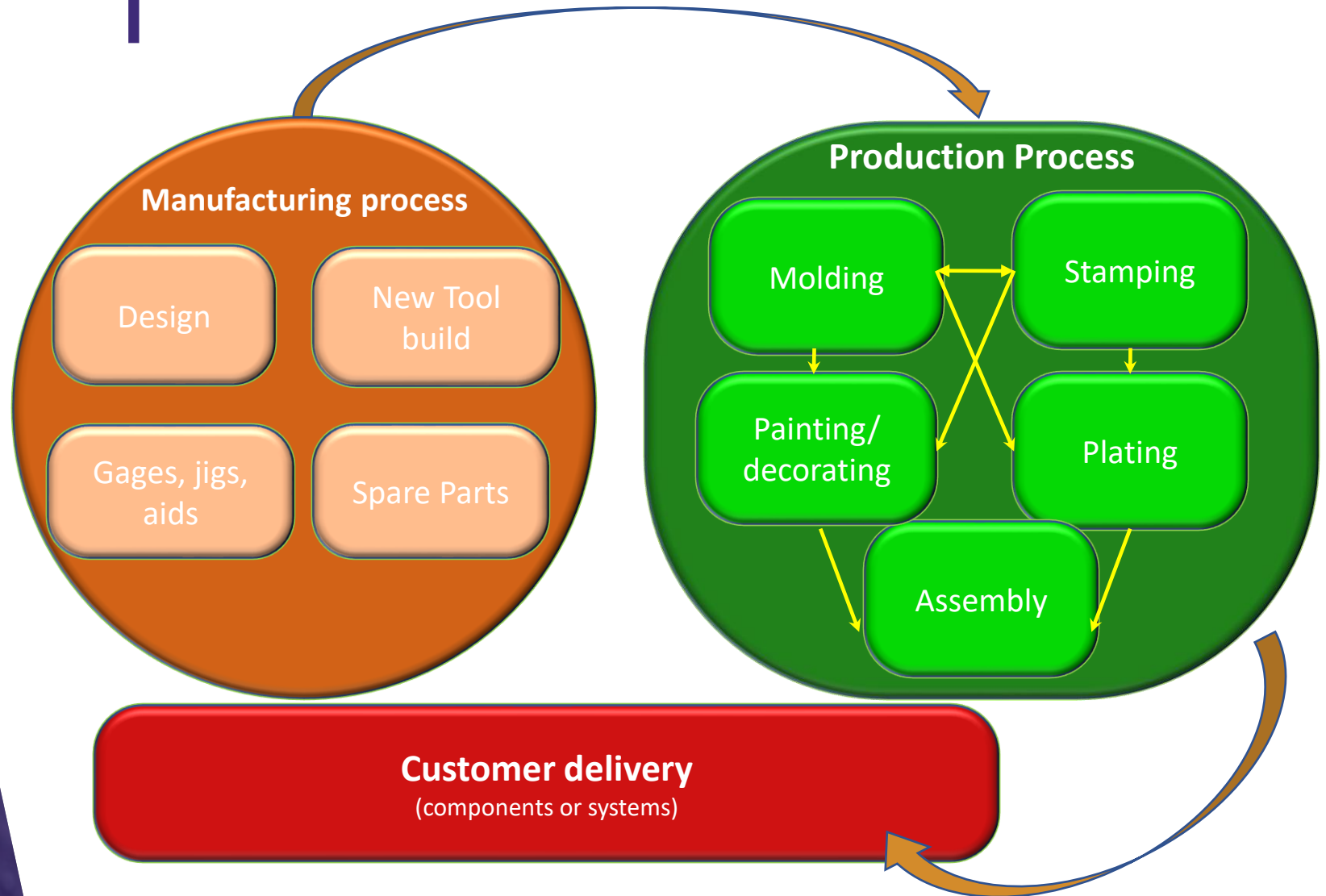
Climate

Wear Resistance

Solvent Resistance

Measuring Jigs

KeyTec Capacities



KeyTec Stamping

- Floor Space: 1600m²
- Presses: 14 (Kaiser, Seyi, Micron)
- Tonnage: 25T-400T
- High Speed (800SPM)
- Deep Drawing
- Deburring & Cleaning
- Ultra Sonic Cleaning
- Auto Bending & Assy



KeyTec Precision Molding

- **Machines: 44 (Arburg, Demag, Engel)**
- **Insert Molding (Metal + Plastic)**
- **2K (2shot) Molding**
- **High Speed Molding**
- **Rapid Heating and Rapid Cooling**
- **Clean Room Molding**
- **Electric Molding**
- **Tonnage: 15-650T**
- **Floor Space: 2500m²**



KeyTec Painting

- **Floor Space: 1000m²**
- **1 Automatic Spindle Line**
- **1 Water-based Robot Painting Line**
- **CO₂ Snow and Ionized Cleaning**
- **Plasma Surface Activation**



KeyTec Surface decoration

- Laser Etching
- Silk screen Printing
- Pad (tampon) Printing
- Painting
- Plating (outsourced to partner)



KeyTec Assembly

- **Area: 3000m²**
- **Laser Welding**
- **Ultra-sonic Welding**
- **Adhesive Bonding**
- **Solder-Wave Assy**
- **Manual assembly**
- **Automatic Assembly**
- **High-class Clean Room (class 100K-1K)**
- **Additional 1000m² dedicated to LCD-BL/TP Assembly**



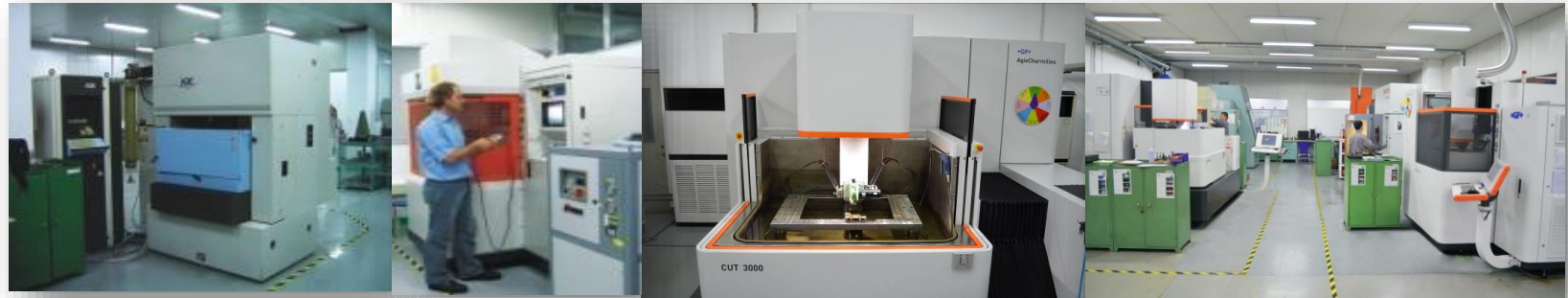
KeyTec Specialty Professional Product

- **Plastic**
- **Connectors**
- **Printing**
- **PCB surface mounting**
- **Assembly & Testing**
- **End Product**



KeyTec Tooling

- **World-Class Tooling Center established in 2004**
- **Die/Mold DFM + Development**
- **Spare parts + New Die and Mold manufacturing**



- **Latest Investment: Exeron High Speed Milling Machine with 1.0U and Mirror Cutting Surface**
- **Latest investment: Agie Charmilles CUT3000 (2) with 1.5 U and 3D cutting**

KeyTec Specialty

Automotive Lighting

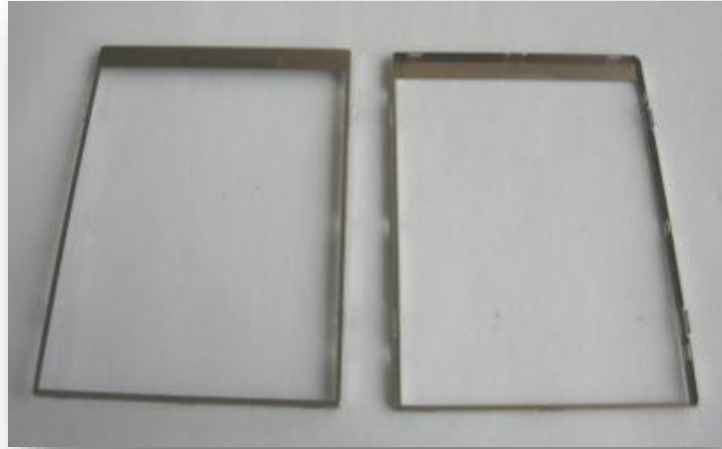
Customer: Osram-Continental

Application: High and Low Beam Module

Process: 2K Stamping



KeyTec Specialty

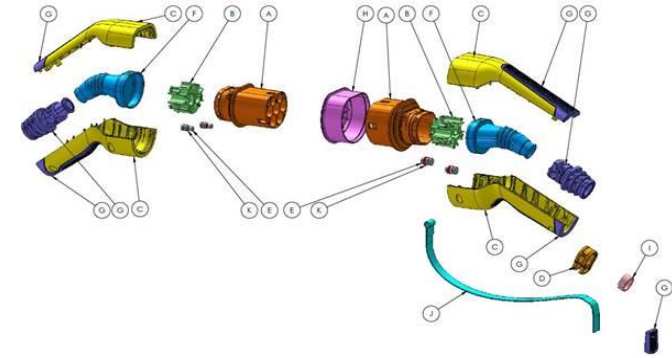


**Ultra-Thin LCD
Frames (0.1mm)**



**Thick bus bars
(3.0mm)**

KeyTec Specialty EV Charger



Customer: DEFA

Product: Electric Vehicle Charger

Specialty:

1. 2K molding
2. Rubber molding
3. Fiber glass re-enforcement
4. Kit Product
5. Scarlet color

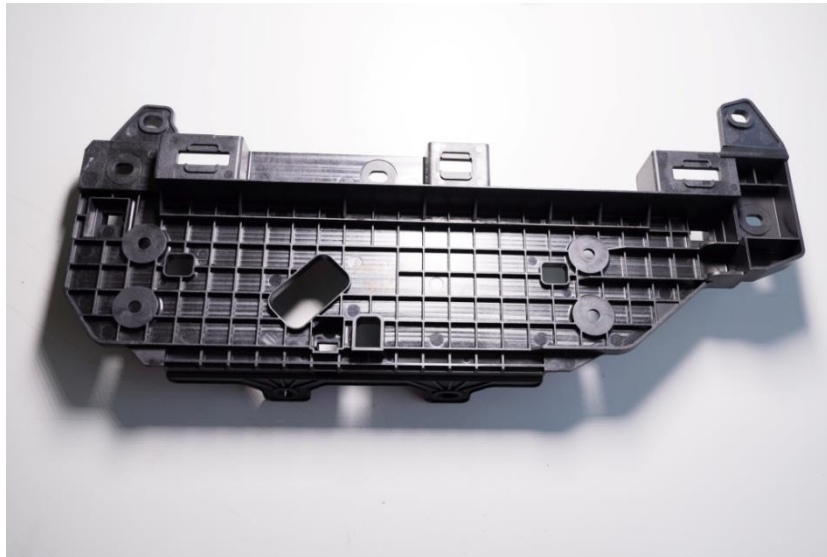
KeyTec Specialty

Customer: Innolux

End customer: PSA

Specialty:

- 1. Plastic bracket replaces the metal one**
 - Lighter product
 - Cost saving
- 2. Fiber glass re-enforcement**



KeyTec Specialty

Customer: Aptiv

Car Brand: PSA DS 7

Crystal knob:

24 crystals

Mold with 6 slides

Plating

Rubber nest

“Manual ASSY”

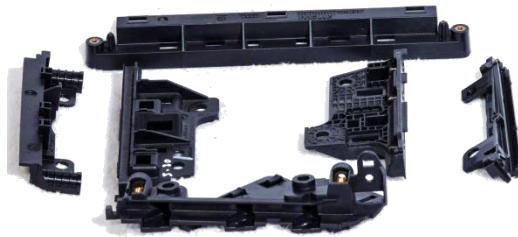


KeyTec Specialty

Customer: INNOLUX

Car Brand: Audi A6L

**Adapters: Long Fiberglass Re-enforced
Lighter and Stronger**



KeyTec Specialty

Customer: INNOLUX

Car Brand: BMW X6 2020

1. Fashion Cubic Design
2. Front and Rear Cover Integrated
3. Water Based Painting



KeyTec Speciality

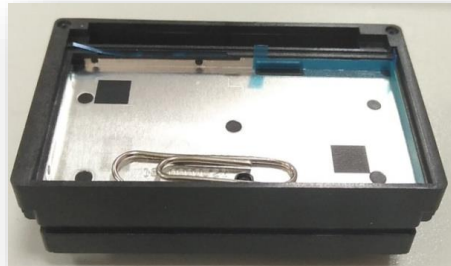
Automotive HUD LCD Display

Customer: Tianma/ BHTC

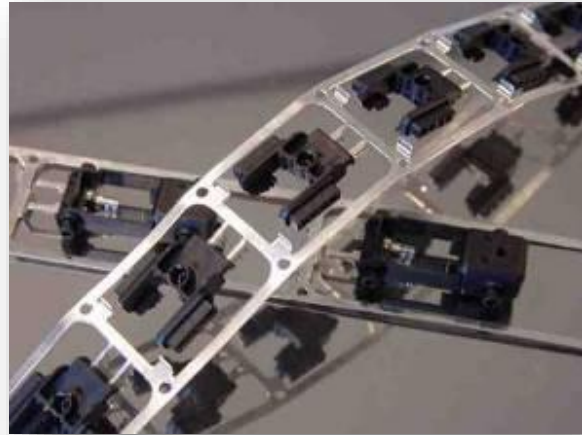
Car Brand: BMW

Processing: stamping & inset molding

Material: electric conductive resin/metal



KeyTec Specialty Safety Products---Automotive Insert- molding



Brake Sensor Carrier



**Airbag
Ignitor Body**

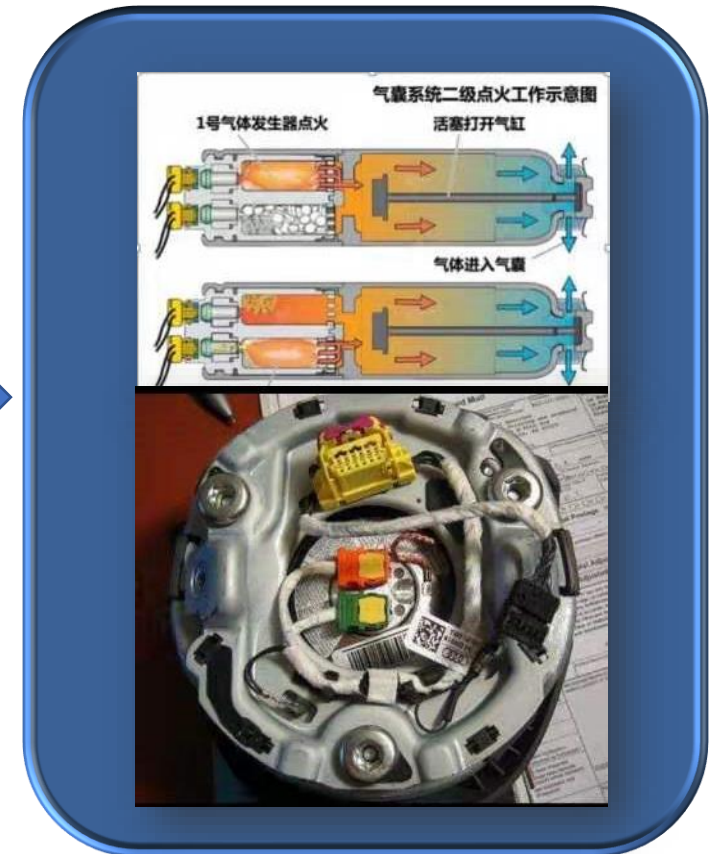
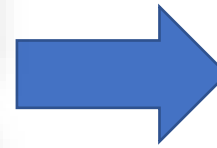


Coda Connector

KeyTec Specialty Safety Airbag Igniter



ARC

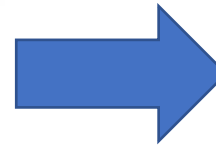


KeyTec Speciaty

Safety---ABS sensor carrier



Continental



KeyTec Specialty Remote KeyTec



KeyTec Specialty

Customer: Aptiv

Car Brand: GM Chevrolet MENLO

Process: 2K molding

Rapid Heating and Rapid Cooling

High Glossy

Transparent Lens



KeyTec Specialty

Customer: Aptiv

Car Brand: GM Buick VELITE

Process: 2K molding

Rapid Heating and Rapid Cooling

High Glossy

Transparent Lens



KeyTec Specialty

Customer: Honeywell

1. **Complex Lens Design**
2. **Insert molding**
3. **Cubic Cover**



KeyTec Inside



and in.....
Ferrari California





**“We Help Industrialize Your
Ideas”**

www.KeyTecgroup.com

