

Approach to automotive industry

ENGINE

Injection Molding Machines

- 1 Engine Head Cover
- 2 Intake Manifold

Die Casting Machines

- ▲ Oil Separator
- ▲ Head Cover
- ▲ Valve Body
- ▲ Water Pump Bracket

Die Casting Machines

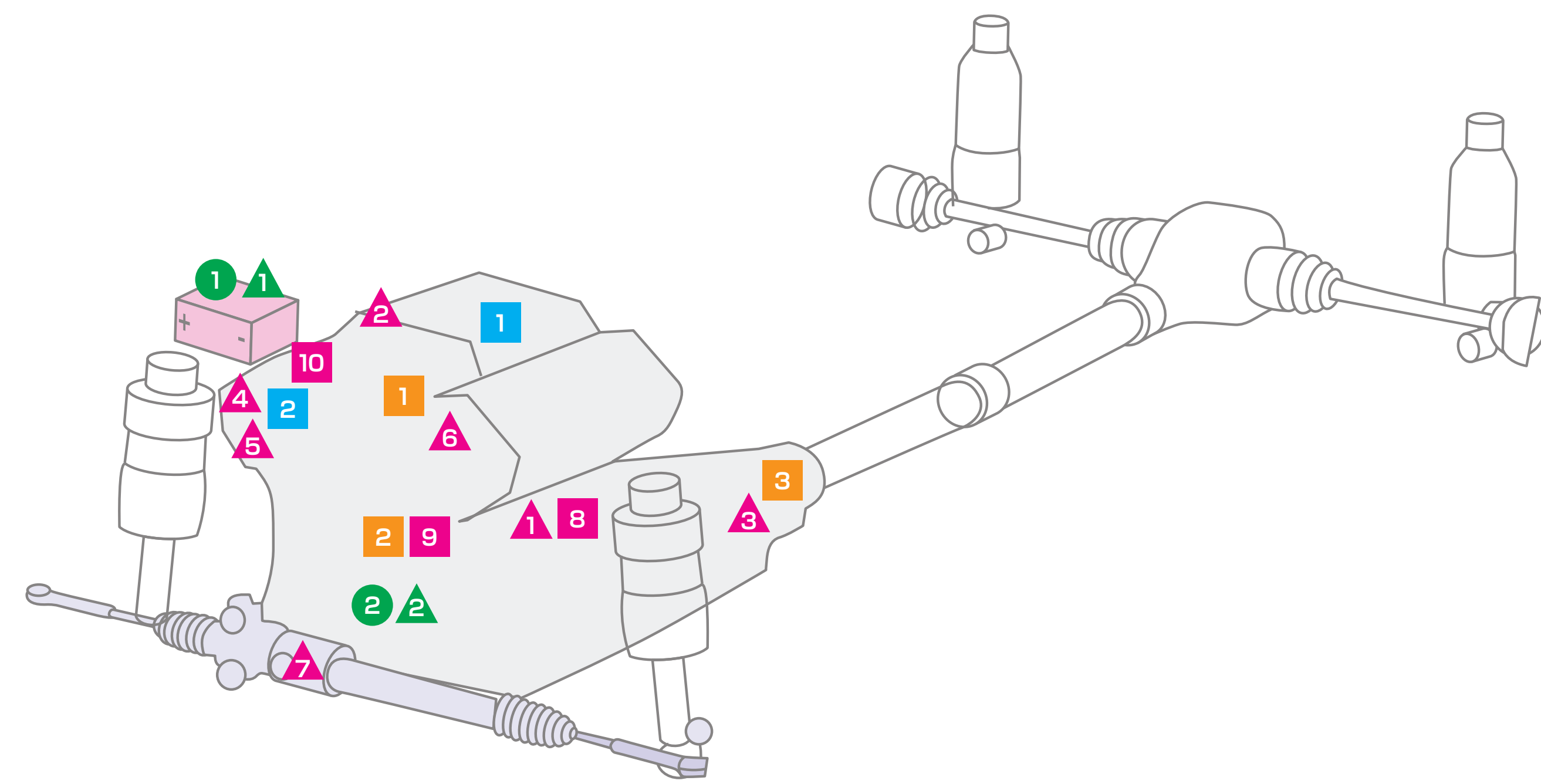
- ▲ Oil Pump Bracket
- ▲ Front Case
- ▲ Rack Housing
- 8 Transmission Case
- 9 Oil Pan
- 10 Engine Block

Extrusion Machines

- 1▲ Separator Film for Battery
- 2▲ Fuel Cell Materials for EV

Machine Tools

- 1 Turbo Impeller
- 2 Crank Shaft
- 3 Clutch Housing



BODY

Injection Molding Machines

- ▲ Cowl Louver
- ▲ Sunroof
- ▲ Door Glass
- ▲ Rear Fender
- ▲ Rocker Molding
- ▲ Over Fender
- 7 Bumper
- 8 Door Trim
- ▲ Pillar
- ▲ Rear Garnish

Die Casting Machines

- 1 Side mirror Housing
- 2 Brake Caliper
- 3 Headlight Case
- ▲ Steering Body
- ▲ Seat Frame
- 6 Wheel
- 7 Sub Frame

Extrusion Machines

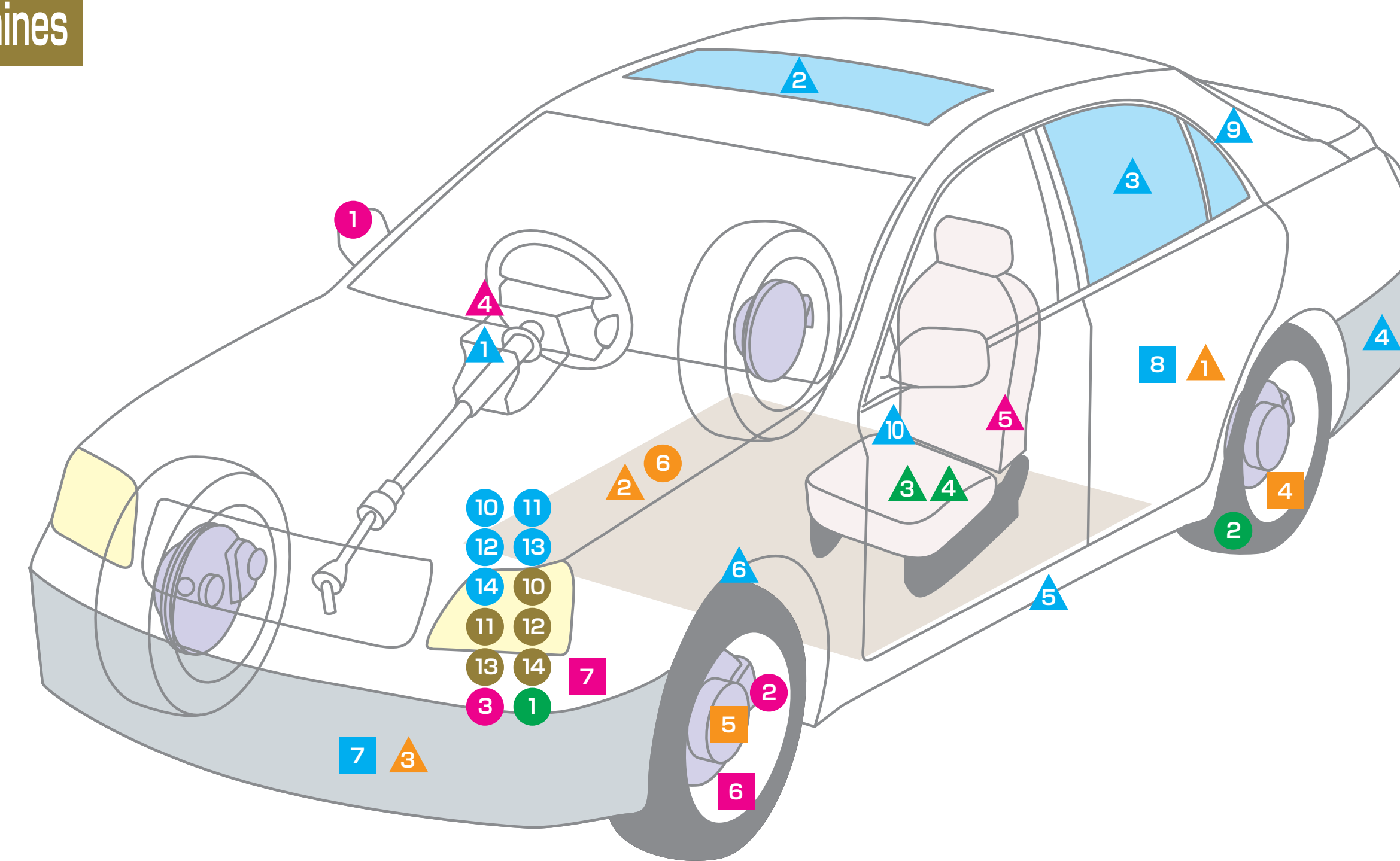
- 1 Lamp Cover
- 2 Tire
- ▲ Interior Decoration Materials
- ▲ Elastomer Sheet
- ▲ Forming Sheet

Machine Tools

- ▲ Door Trim
- ▲ Frame
- ▲ Bumper
- 4 Wheel
- 5 Constant Velocity Universal Joints
- 6 Copper Plate

High Precision Processing Machines

- 10 10 Lamp Cover
- 11 11 LED Diffusion Lens
- 12 12 Headlight Lens
- 13 13 Headlight Reflector
- 14 14 Clearance Lamp



ROOM

Injection Molding Machines

- 1 Switch
- 2 Dashboard
- ▲ Console Box

Die Casting Machines

- 1 Steering

Extrusion Machines

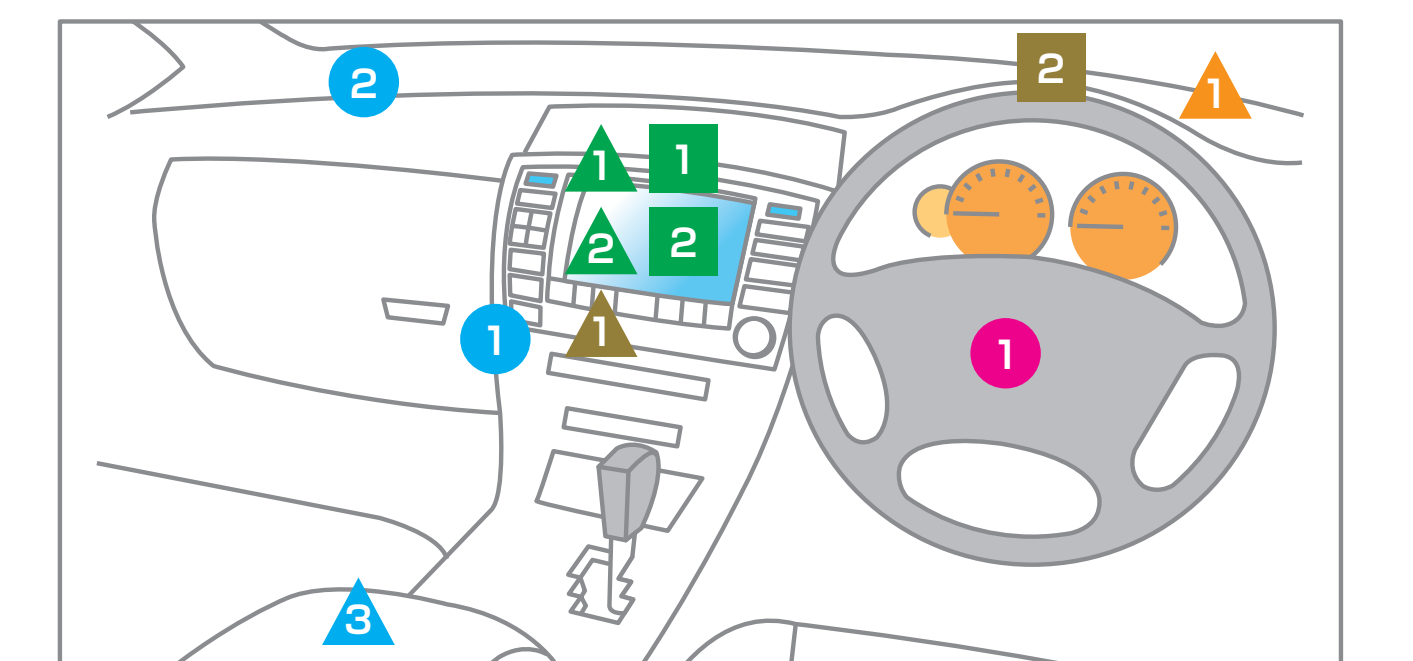
- ▲ 1 LCD,OELD Display Materials
- ▲ 2 Printed Board

Machine Tools

- ▲ Instrument Panel

High Precision Processing Machines

- ▲ Car Navigation
- 2 Head up Display

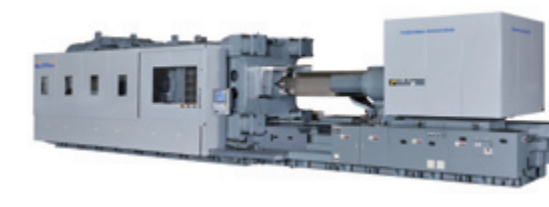


Injection Molding Machines

- Die locking force:20~350t Injection Molding Machines



- ▲ Die locking force:450~1300t Injection Molding Machines

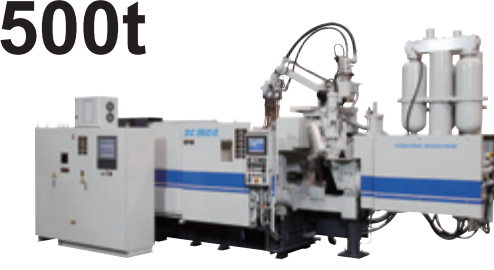


- Die locking force:1600~3500t Injection Molding Machines

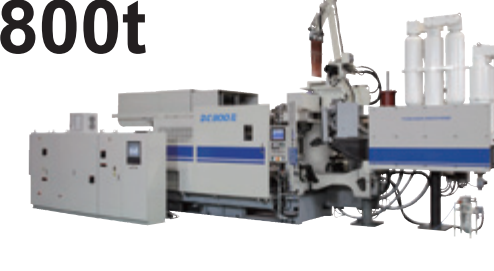


Die Casting Machines

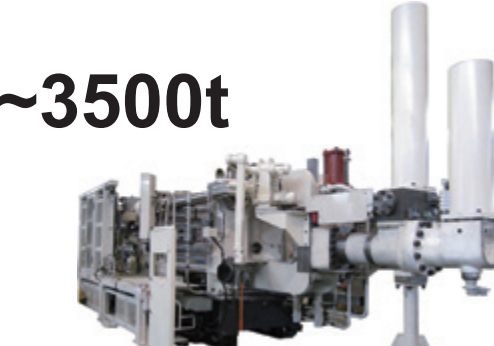
- Die locking force:350~500t Die Casting Machines



- ▲ Die locking force:500~800t Die Casting Machines



- Die locking force:1250~3500t Die Casting Machines

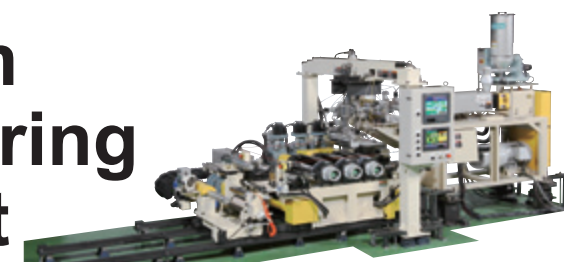


Extrusion Machines

- Twin-Screw Extruders



- ▲ Sheet·Film Manufacturing Equipment

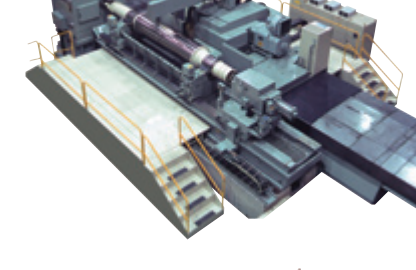


- Roll-to-Roll type UV imprinting Machine



Machine Tools

- Roll Grinding Machine



- ▲ Bridge type Machining Center



- FUJI SEIKI MACHINE WORKS, LTD., Wet blasting machines



High Precision Machine · Glass Mold Press Machines

- High Precision Vertical Machines



- ▲ High Precision Double Column Machines



- High Precision Aspheric and Free-form Surface Grinder



Electronic Controls

- Vertically Articulated Robots
Instrumental panel assembly process



- SCARA Robots
Transfer between various parts assembly processes.
Exhaust sensors, power windows, wipers, interior switches, etc.
Ultrasonic welding process



SHIBAURA SEMTEK CO., LTD.

- Investigation of manufacturing parts

- Physical character testing

- Fracture analysis

- Environmentally hazardous substances

- Measurement of exhaust gas

- Research of noise and vibration