

Visual Mechanics & Decoration

Jabil's visual mechanics team – from former Taiwan Green Point – has more than 25 years experience in research, design, tooling and mass production of differentiating precise and aesthetic mechanical components and a track record in innovation and world-class quality industrialization. Combined with Jabil's world-class assembly expertise, our mechanics solutions integrate functionality and decoration, reducing the number of manufacturing process steps and associated costs.

Capabilities

Plastics

- In-house mold design and manufacturing
- Composite over molding - Leather, wood, suede
- In-mold-decoration (IMD)
- 3D film insert molding - Film decoration: digital printing, micro-texture, mirror ink
- Multi-shot molding
- Metal over molding

Decoration and Finishing Technologies

- Painting
- Non-conductive vacuum metallization (NCVM)
- Laser etching
- Printing
- Functional coating - Anti-bacterial, hard coating, easy clean

Metals

- Stainless steel stamping
- Aluminum stamping
- Thixo-molding (Mg)
- Die casting (Zn, Al)
- Seamless welding
- CNC machining of forged parts

Metal Decoration and Surface Treatments

- Metals painting
- Physical vapor deposition (PVD)
- Electro deposition (ED)
- Laser etching
- Diamond cutting
- Laser perforation
- Anodizing (including two color anodizing)
- Hairline
- Sandblasting
- Polishing - Electro, mechanical, chemical

Others

- Ceramic injection molding
- Glass insert molding

In-House Tooling

Our highly automated tooling is done in-house. Managing all aspects of the assembly process, we can better respond to customer requirements and provide superior quality. Tooling innovations such as our concurrent design process and an automated tool manufacturing system offer customers multiple benefits such as faster ramp up, more stable quality due to better mold performance and lower tooling and molding cost.

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