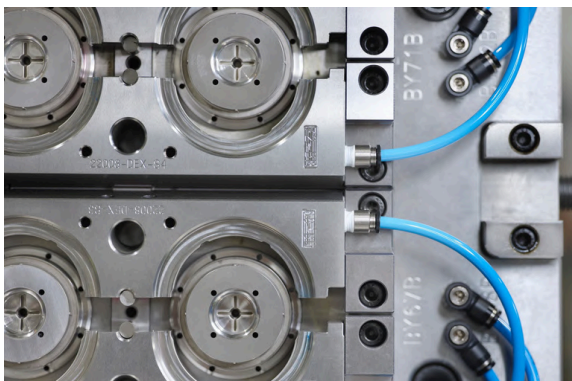




Beyonics Changshu Campus, China

Beyonics Changshu is located in China's Jiangsu Province and specializes in precision engineering components, aluminum die-casting, mold design and manufacturing, and plastic injection molding solutions. Strategically situated in the Changshu High-Tech Industrial Development Zone, the facility lies in the heart of the Yangtze River Delta and is adjacent to Shanghai.

As a fully integrated manufacturer, Beyonics Changshu serves clients in the MedTech, Mobility, and SmartTech industries. It provides a wide range of precision components, customized interconnect solutions, and other services to global Tier 1 automotive parts manufacturers.



Manufacturing Capabilities & Services

Tool Design & Fabrication

- High pressure AL. die-casting & plastic injection tool design & manufacture
- MAGMA moldflow simulation/ Siemens NX/ SolidWorks/ AutoCAD
- Mold-Flow analysis with design optimization for injection molding
- Casting thickness wall at 0.5mm (0.020"), tolerance +/- 0.125mm (0.005")
- Machining tolerance +/- 0.01mm (0.0004"), hole Dia. tolerance +/- 0.005mm (0.0002")
- EDM machines
- CNC machines, CNC wire cut
- Auto CAD workstation

Plastics Injection Molding

- Plastics injection machines (30 to 1,600 tons)
- Over-mold/Insert molding (vertical and horizontal)
- Single & multi cavity hot runner molding

Box Build Assembly

- Box build assembly line
- Ultrasonic welding
- Manual assembly
- Traceability system
- Cosmetic & labelling CCD inspection
- Laser etching
- Silk screen printing

Aluminum Die Casting

- Alloys: AC44300/AC46000/AC46100 /AC47100/ADC12/A383/A380/A304/A413 and other special composition alloys upon request
- Die-casting machines (125 to 800 tons)
- Casting wall thickness at 1.0mm (0.040"); Tolerance \pm 0.125mm (0.005") – as per NADCA standard
- Smelting furnaces & holding furnaces
- Auto deburring machine
- Tumbling bowls & shot blast hangars

Washing Facility

- Aqueous cleaning line that meets VDA 19.2 meeting particle requirements of 400m cleanliness levels

Lab

- X-ray CT scan (GE Phoenix V)
- Cleanliness Test- LPC (liquid particle counter)
- Leica filtration equipment (50u~200u)
- FT-IR (fourier transform infra-Red)
- ROHS Tester – SEA 1000A
- Water drop contact angle optical meter

Manufacturing Capabilities & Services

Engineering Services

- Early design improvements and reviews for sustainable manufacturing
- Full DFM (Design for Manufacturability) review support

Testing and Inspection

- CMM machines
(brown & sharpe, mitutoyo, and hexagon)
- Air leak testing
(air pressure and helium gas type)
- Spectrometer
- Visual CCD inspection
- Melt flow index meter
- OGP smart scope
- Surface roughness tester
- Moisture analyzer
- Bonding test & pull test

Industries



Healthcare & Medical



Automotive



Technology

Certifications

- ISO 9001: 2015
- ISO 13485: 2016
- ISO 14001: 2015
- ISO 45001: 2018
- IATF 16949: 2016
- Compliance to VDA6.3 Requirement

Beyonics Changshu Campus

18 Yinhuan Road, Changshu New & Hi-tech Industrial Development Zone of Jiangsu, Changshu, Jiangsu 215500, China

Beyonics is a global advanced precision engineering and manufacturing solutions provider. We design, build, and deliver products and applications for customers in the MedTech, Mobility, and SmartTech sectors.

