

# Our Technology

Automotive Frame Components  
Automobile Manufacturers Rely On



## G-TEKT: On its way to the top

G-TEKT was founded in April 2011 through the merger of two companies that go back as far as 1922. The fusion of these two highly specialized manufacturers of car bodies and transmission components, press dies, welding jigs and tools necessary for mass production offers globally positioned automotive manufacturers invaluable advantages:

G-TEKT delivers high-quality and cost-efficient products, construction and development proposals as well as system solutions – all within a very short time!

## Car body components for automotive manufacturers from all over the world

We work with state-of-the-art transfer press machines and steel sheet lines. We use proprietary press tools in order to provide our customers with truly first-class stamped parts.

### Light and high-strength – thanks to hot stamping

Through the simultaneous application of different technologies, we are able to produce parts with excellent material properties. This method saves both time and costs while guaranteeing highest quality even for mass production.

### Optimization Proposal for Electric Vehicle Bodies

In order to meet a variety of needs, we propose a product lineup of battery housings for EV vehicles that uses three types of materials: iron, aluminum, and flex (a combination of both materials) to OEM.

### Precise synchronization

Time is Money: We coordinate our production process to closely match our customers' workflow.

## G-TEKT: Competence, know-how and reliability

Whether individual parts or complex assemblies are concerned – G-TEKT's vehicle construction components, transmission parts and complex system solutions are used all around the globe. And what is the reason for this? Our specialists work closely with automotive manufacturers and jointly develop suitable solutions which are convincing on both a technical and economical level.

## G-TEKT: A unique global network

Our clients in the automotive industry have access to 28 production sites in 21 regions and 12 countries, two research and development centers as well as a further center that is solely dedicated to research.

## Auto Body Components

High Tensile Steel		
Center Pillar Outer	Front Pillar Lower	Dashboard Lower
Aluminium Parts		
Dashboard Upper	Rear Panel	Sill
Approx. 1550mm, 15 parts component		Approx. 1500mm, 8 parts component
Hot Stamping Parts		Battery Case
Door Ring (Tailored Blank Weld)		Flex Battery Housing
		Multi-Material Available

## Transmission Parts

AT / CVT			
TORQUE CONTROL INNER	DRUM INNER	PRIMARY PISTON	SECONDLY CLUTCH
OUTER	EH DRUM ASSY	PRIMARY CYLINDER	SECONDLY CYLINDER
CARRY ASSY	PISTON		
CLUTCH HUB	CLUTCH DRUM		

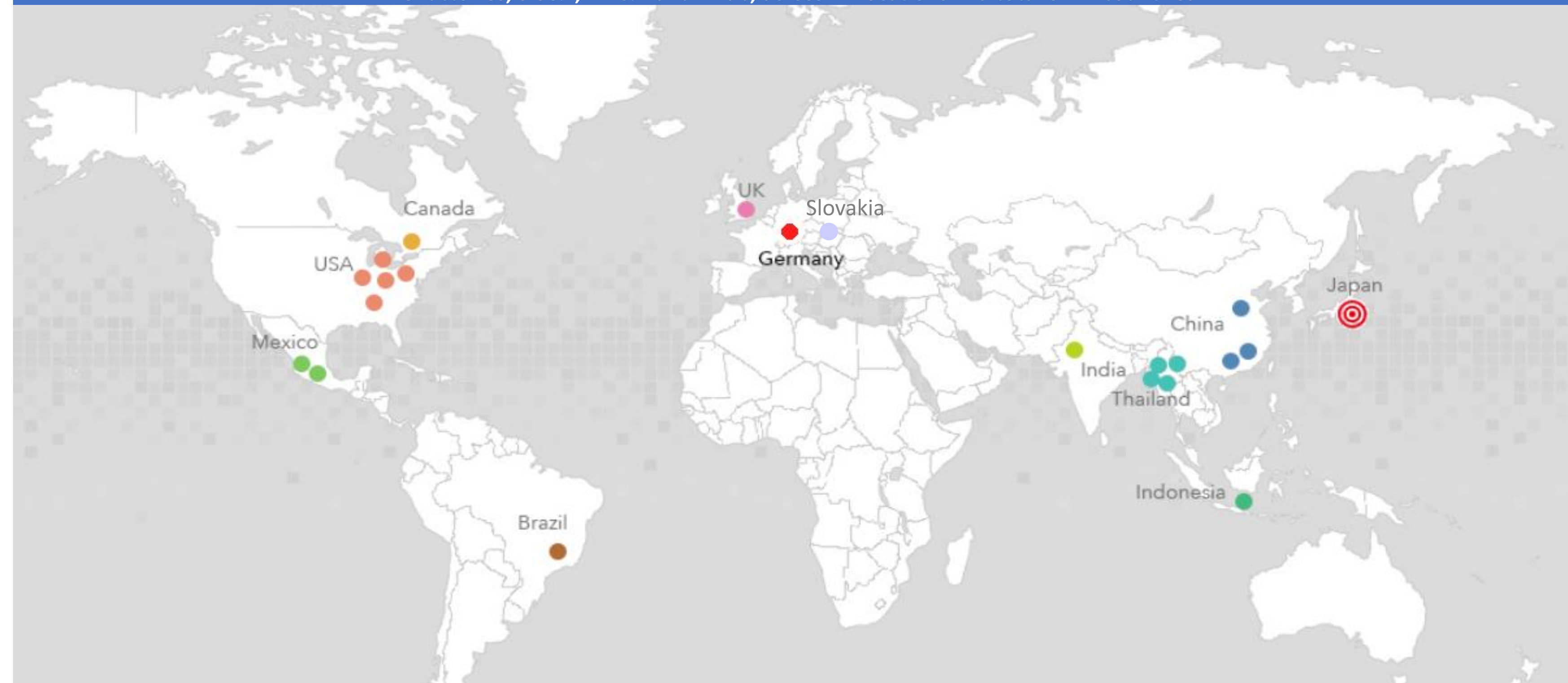
## Engineering

Auto Body Components Processing Technologies	
Press Processing	Weld processing and assembly
Heavy Gauge Precision Stamp Parts Processing Technologies	
Precision press processing	Precision machining
Component Weight Reduction and Rigidity Improvement Technologies	
Hot stamping technology	Tailored Blank Welding Technology
	Soft steel plate material
	High-tensile strength steel sheet

## Development

Optimal Auto Body Components for EV		
Optimal Proposal of Gigacast Peripheral Components		
Gigacast (Parts manufactured by OEM)	*Available by G-TEKT	
Bumper Beam with high energy absorption	Cross Member with high strength	Door Ring with Hot Stamping
Sub Frame for electric vehicles		Side Frame with High energy absorption
Flex Battery Enclosure		
Flex Battery Enclosure		
Full Steel (Cost Advantage)	Material Mix (Cost/Weight)	Full Aluminium (Weight Advantage)
Cost Value	Optimization of functions & structure	Environmentally friendly
Roll Forming		Battery Cell Case (Prismatic)
Side Frame	Cell Module (Cell Case)	Battery Enclosure
Gen. Extrusion	G-TEKT Roll Forming	Under Development
		Aprx. 300mm
Motor Core		
Development of proprietary technology		
		Coil Winding Technology
		Under Development
		Establishment of Production Technology

28 factories, 3 S&E, 1 R&D and 1 Lab, across 21 locations in a total of 12 countries



If you have any enquiries please feel free to contact our G-TEKT office in Munich.

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