

e|ematec

ELEMATEC USA Corporation
ELEMATEC MEXICO S.A. DE C.V.



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1. Elematec Group Overview

Elematec Corporate Overview

Trade name Elematec Corporation

Founded..... April 1947

Head office location.....3-5-27, Mita, Minato-ku, Tokyo

Capital..... 2,142 million yen

Headcount.....1,184

Stock code 2715
(The Prime Market of the Tokyo Stock Exchange)

Suppliers..... Approx. 7,200 companies

Users..... Approx. 6,000 companies



The company name "Elematec" is derived from the words electronics, materials, and technology.



Elematec Corporate Overview - History



Heart of Electronics

1947

Takachiho Electric was established in Tokyo

1958

Ohnishi Denki is established in Kyoto

2009

Takachiho and Ohnishi merged together as Elematec Corporation

2011

Concluded capital and business alliance agreement with TOYOTA TSUSHO CORPORATION

2014

Open office in Leon, Mexico

Elematec Corporate Overview – US/MX

[Elematec USA Corporation]



Established : 2006

Office : 4 Bases (San Diego, San Jose, El Paso, Chicago)

Employees : 23 ppl

Turnover : USD106.0 million (FY2023)

[ELEMATEC MEXICO S.A. DE C.V.]



Established : 2014

Office : 2 bases (Leon Guanajuato, San Luis Potosi)

Established : 14 ppl

Turnover : USD12.0 million (FY2023)

<USA base locations>



<Mexico base Locations>



● Sales Office
● Warehouse

Elematec Corporate Overview - Sales

Elematec Sales composition by geographical segment

\$135.4 Million

Ex. Rate : JPY130/USD

Europe and America 7.4%

\$267.0 Million

Other Asian countries 14.5%

Sales Turnover
\$1.85billion

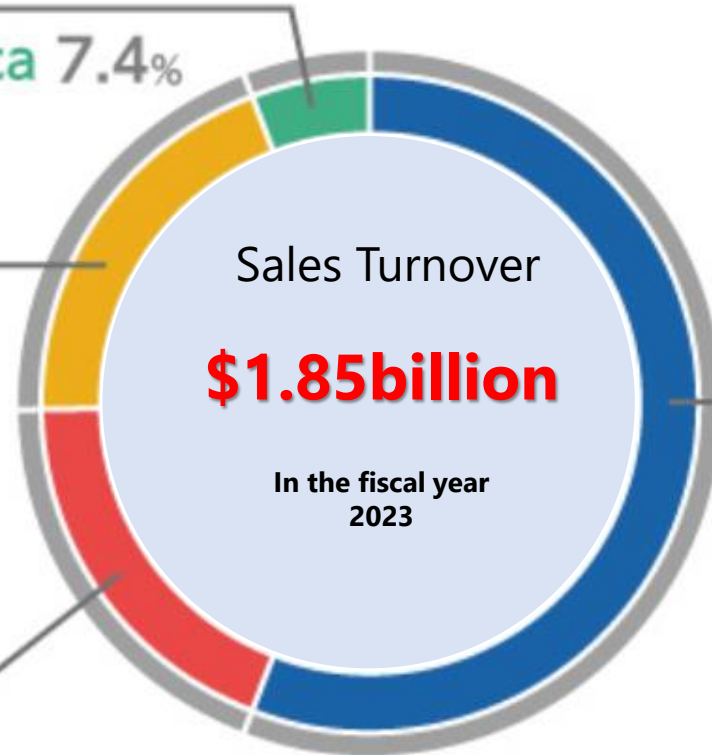
\$1,023.0 Million

Japan 55.6%

In the fiscal year
2023

\$415.4 Million

China 22.5%



The countries or regions belonging to each segment other than Japan are as follows

- China -----China (Including Hong Kong)
- Other Countries or regions in Asia---Korea, India Southeast Asia
- Europe and America -----USA Mexico Czech Republic

Elematec Functions

Planning and Development, Design

Planning, developing and designing products that match essential needs



Overseas Networking and Logistics

Providing smooth global logistical support using our worldwide network of bases



Procurement Agency Service

Procuring parts and materials that best match their requirements in terms of quality, cost, and delivery



elematec
Elematec's
On-Site Capabilities

Quality and Environmental Management

Sophisticated quality control system for providing high-quality products



Manufacturing Service

Providing high-quality manufacturing service and customization



Elematec Functions – Procurement Agency

Network Procurement agency service

Procuring parts and materials that best match their requirements in terms of quality, cost, and delivery



Elematec provides procurement agency service to manage multiple suppliers, complex orders and deliveries on the behalf of customers, enhancing operational efficiency and reducing costs. We utilize our know-how and expertise to procure parts and materials in Japan and overseas while carrying out thorough quality control and delivery management. In addition to handling specified parts, we also suggest more suitable suppliers based on a firm grasp of the strengths of many manufacturers around the world. Elematec has bases worldwide that can respond quickly to quality issues or other problems.

Elematec Functions – Planning and Design

Think

Planning and development/design

Planning and development/design of products that match essential needs

Customer needs

We want proposals that start from the design phase.



Elematec designs using diverse resources, know-how and cutting-edge expertise.



- Exterior design
- Electrical design
- Mechanical design
- Process design
- Software

Elematec forms relationships that extend beyond customers' purchasing divisions to include their design and development divisions, allowing us to identify their essential needs. From limited information, we can grasp these needs. Our Sales Division, Marketing and Development Division and Design Department work together to plan, develop and design new parts and units. Our Design Department has specialists in mechanical design and electrical circuit design, and possesses prototyping equipment such as 3D CAD, 3D printers and numerically controlled (NC) machine tools. In addition to using these resources, we leverage our vast operational infrastructure, cutting-edge expertise and know-how to provide products that match our customers' needs.

Elematec Functions - Manufacturing

Manufacturing

Manufacturing
service

Providing high-quality manufacturing
service and customization

Customer needs

We want the parts
delivered
preassembled.

Elematec can provide everything from
customized products to modules and
finished goods (original design
manufacture (ODM)).



- Processing service bases
- ISO 14001
- ISO 9001
- IATF 16949
- Most suitable subcontractors

Elematec has one domestic and two overseas processing service bases for manufacturing customized products and modules. These items have been developed and designed for specific customers, based on the customer's product development information and on the latest technological information gathered through our worldwide network of bases. In addition to using our own processing service bases, we work in cooperation with technologically advanced, cost-competitive contract manufacturers in Japan and overseas to supply customized products and modules, as well as finished goods (ODM). We have constructed a global supply chain based on our understanding of "information," "technology," and "manufacturing."

Elematec Functions – Manufacturing

Elematec can provide sub assemblies or fully assembled products

① Elematec Wuxi Technology Co., Ltd *Certified with IATF16949*

<Processing Details>

Silk Screen Print

NC Processing

Optical Film Lamination (AGAR, Moth-Eye)

Film Die Cut

LCD Bonding (OCA、OCR)



Features : Material Proposal (Plastic, Film, Glass) ~Processing~ Consistent manufacturing support

② Elematec Electronics (Dalian) Co., Ltd. *Certified with IATF16949*

<Processing Details>

PCB Assembly

Electronics Devise Assembly

Harness Assembly



Feature : Small LotLot~Assembly of PCB, harness, housing

Elematec Functions – Quality Assurance

Support

Quality and environmental management

Sophisticated quality control system for providing high-quality products

Customer needs

We want help improving yield.



Elematec handles quality inspection of products and confirms whether stable commercial production is achievable.



- ISO 17025
- Component analysis
- Analysis of environment-related substances
- Production improvement
- Support for the startup of commercial production

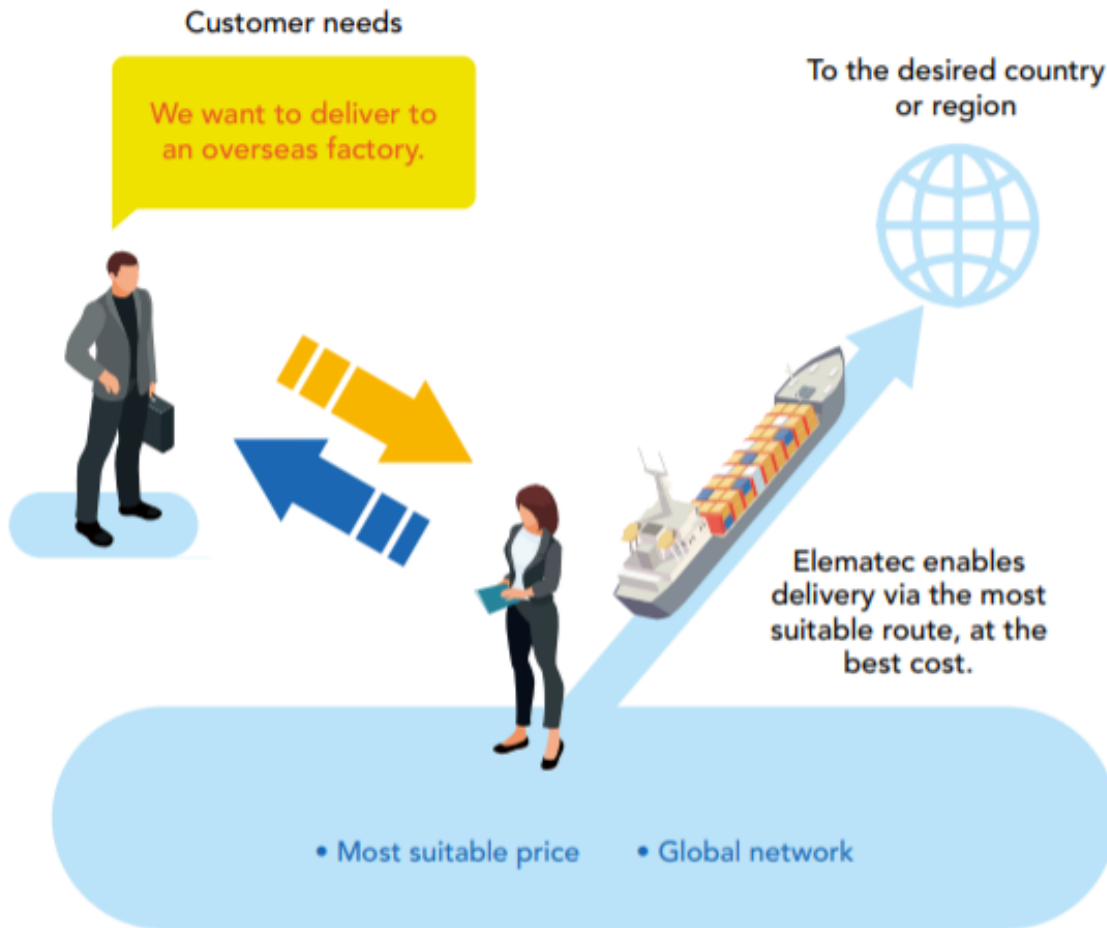
Elematec offers a variety of services to meet customers' stringent quality demands. In response to customers' audit requests, in addition to conducting tests to ascertain that products and environmental protection measures, such as component analysis, meet standards, we confirm whether stable commercial production is achievable when shifting from trial production. Led by our Environment Preservation & Quality Assurance Department, we provide multifaceted support when defects occur, including promptly identifying and analyzing defects with the customer, formulating and implementing improvement plans, and working to prevent recurrence.

Elematec Functions – Overseas Network

Transport

Overseas networking
and logistics

Providing smooth global logistical support
using our worldwide network of bases

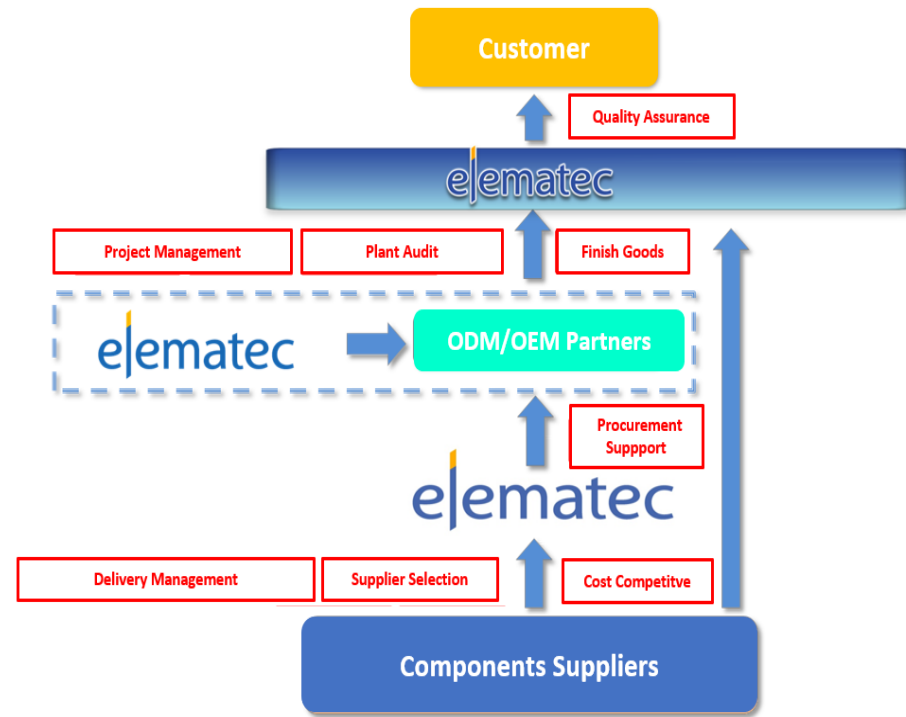
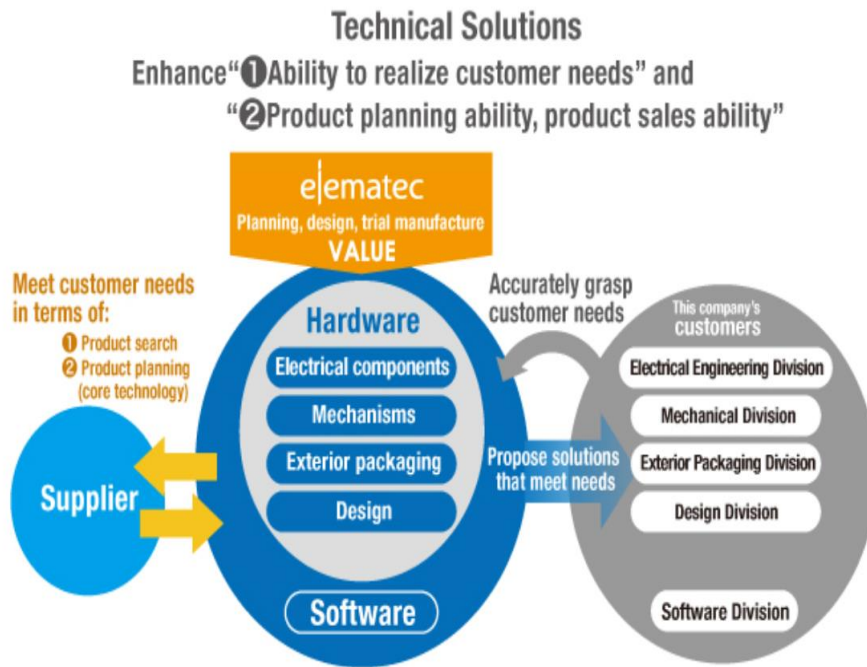


With the advance of globalization, there has been an expansion in offshore trade that does not pass through Japan. Furthermore, a current trend in global business is the shift from China as the "factory of the world" to manufacturing centered on the ASEAN region. Elematec's worldwide network is able to respond to this trend. We ensure close cooperation not only between Japan and overseas bases, but also between overseas bases. Whether in Japan or elsewhere, we work closely with our customers to realize faster and smoother communications and logistics, transcending time zones and language barriers.

Design & ODM/OEM Service

Planning, development/design of products that match essential needs

- 1) Design Function : Elematec in house design team can provide design outsourcing service from various fields (Ex. Electronics, Mechanical)
- 2) OEM/ODM Service : Elematec in house manufacturing facility or regional partners provides can local OEM/ODM service
- 3) Quality Assurance support : Quality Assurance team in Elematec support supplier selections and plant audit on behalf of customers



Design & ODM/OEM Service

Module Business Examples

1) Humidity&Temperature Sensor Module

Circuit design, module design, parts procurement, mounting assembly, and inspection are handled consistently in cooperation with our partner companies and delivered as sensor modules.

- PCB : Elematec self procurement
- Temp/Hum sensor : Elematec Supplier
- Micon, Diode : Elematec Supplier
- Case Production : Elematec Dalian (China)
- Mount/ASSY : Elematec Dalian (China)
- Product Assurance : Elematec

【Product Image】



2) Cockpit Module

Following areas were highly evaluated and Elematec was nominated

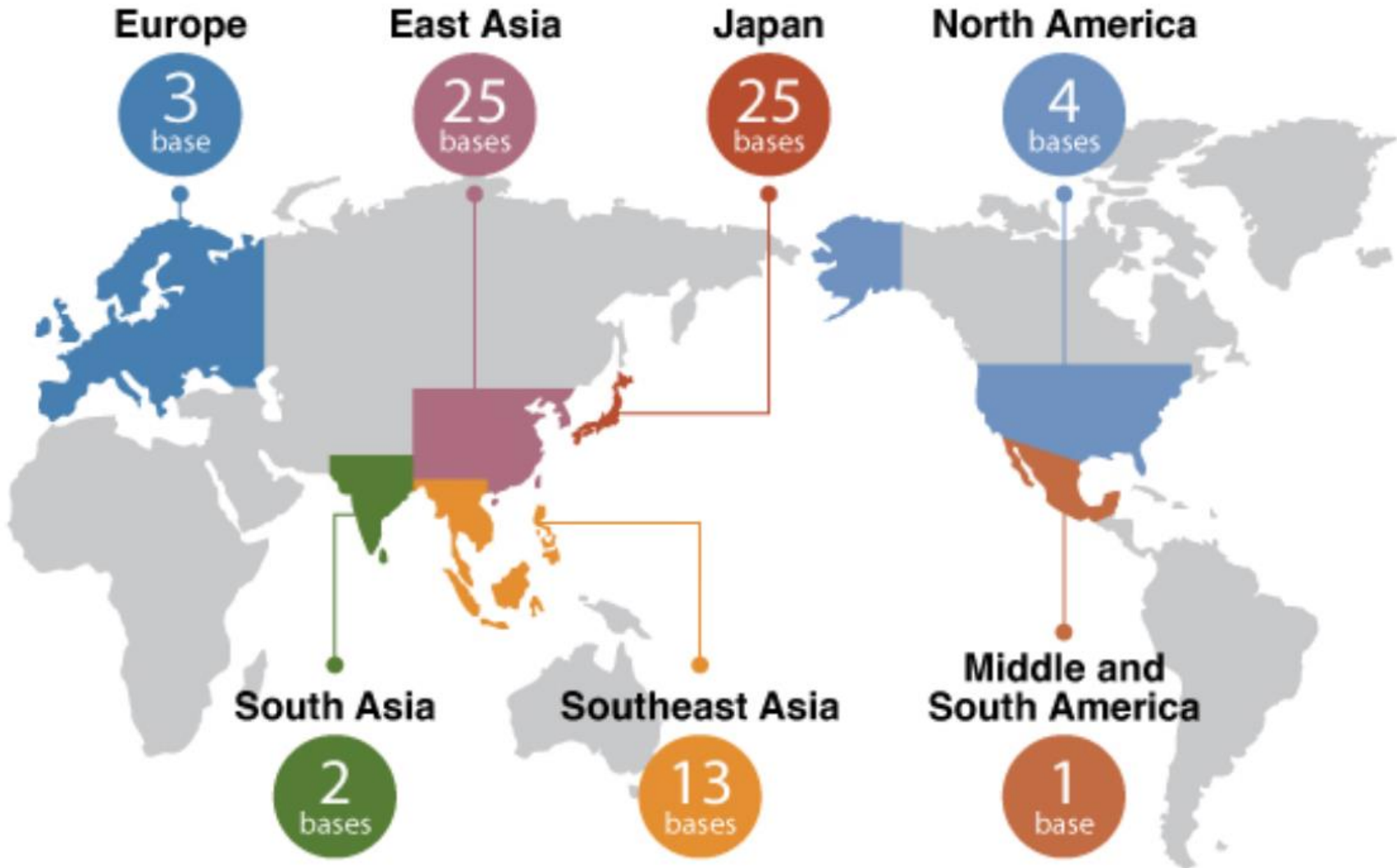
- a) Elematec Design Function & Quality Assurance Support
- b) Competitive Supplier Selection with Elematec data base
- c) Project Management and module business experiences

【Product Image】

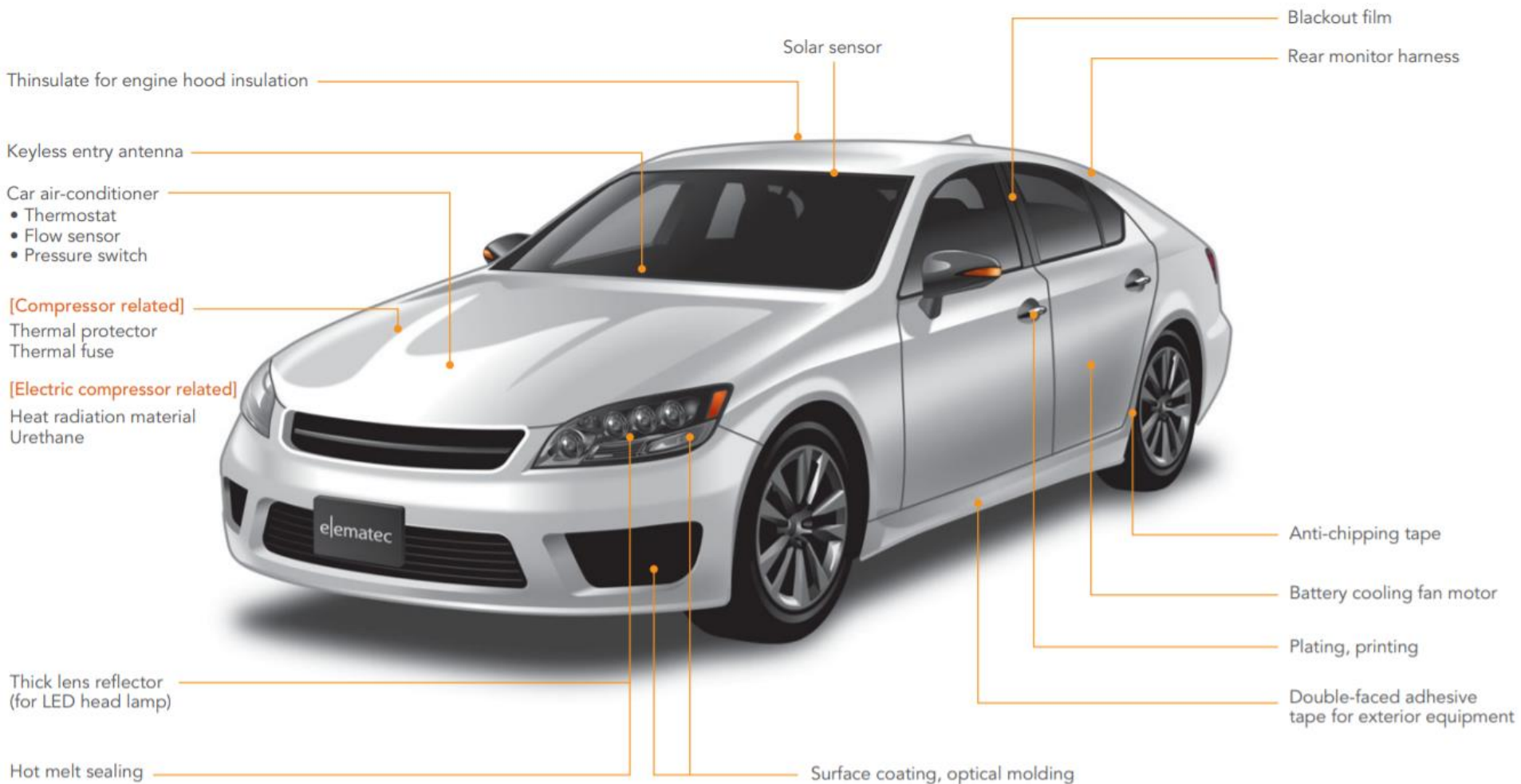


Elematec Functions – Overseas Network

Domestic (Japan) : 25 bases
Overseas : 48 bases *As of 2023/06/01*



Product we supply – Automotive



Monitor

Backup camera



Flow sensor



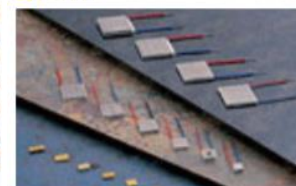
Adhesives



Tapes



Peltier



Product we supply – Automotive

[Centralized switch/Navigation]

Decorative frame
 Front panel
 Electrostatic touch panel
 TFT module
 Heat radiation material
 EMC product
 Filler for gap between liquid crystal panel and touch panel
 Internal composite cable
 Shielding case
 Key seat
 Overlay panel

OCA tape
 Surface protection film
 AR coating
 Heat sink
 Harness
 Coating/Printing
 Car navigation system
 Decorative button
 Front panel LCD
 Two-shot molding
 UV molding
 (Membrane)

[Switch]

Silicone rubber switch
 Molded product
 Plated parts

[HUD]

HUD (Projector system)
 Combiner
 Frame
 Hinge
 Heat radiation material used in the light source motor
 Enhanced reflection coating
 Lens eye
 Aspheric lens
 Laser unit

[In-car clock]

Decorative clock ring
 Quartz resonator
 Transformer

Decorative printing

[Dashboard]

Acoustic material
 Decorative printing

[Air outlet]

Louver grease filter

Plating

Decorative slide rail

Optical molding
 Satin plating

Molded product
 • Two-shot molding
 • Optical molding

AR coating

Lubricant

[Meter Cluster Panel]

TFT liquid crystal
 Decorative meter ring
 Decorative meter dial, resin material
 Optical film
 Front cover
 Harness
 EMC product

Heat radiation material
 Optical composite cable
 Shielding case
 Soldering paste
 Meter glass
 Thermal conduction sheet

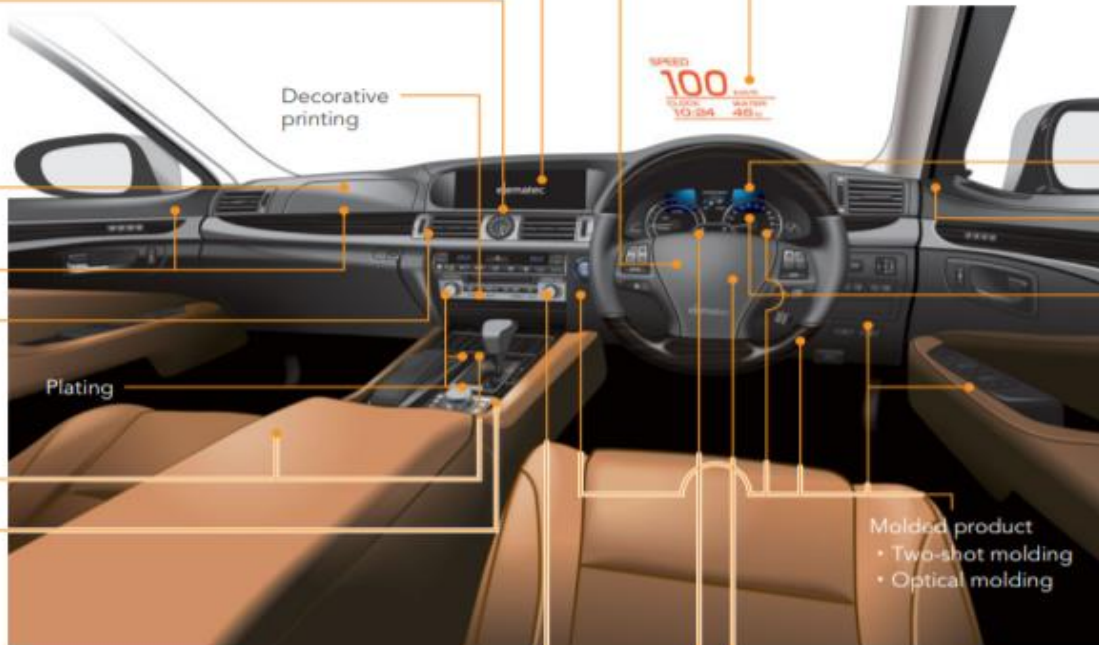
[Switch/Audio]

Aluminum dial
 Laser sheet for CD/DVD insertion slot

Optical molding

[Horn]

Insulator



Product we supply – Automotive

Decorations for steering wheels

◆ Emblem from various technologies
PVD, Electroforming, Aluminum etc.



Decorations for HMI devices

◆ Chrome Plating on plastic
Translucent symbol, Hairline, Fin pitch spin, 3K Injection



Aluminum



PVD on plastic



Chrome plating on plastic



Wooden film



Decorations for center consoles

◆ Decorative Film Technologies

NVCVM metallic translucent film



Hydrographic



◆ Decorative trim & frame for center console
Aluminum



Ultimate AFP painting



Light guide



Key & door latch

◆ Color filter symbol sheet



◆ Ultra slim water proof bonding
◆ Variant shape glass



◆ Emblem from various technologies

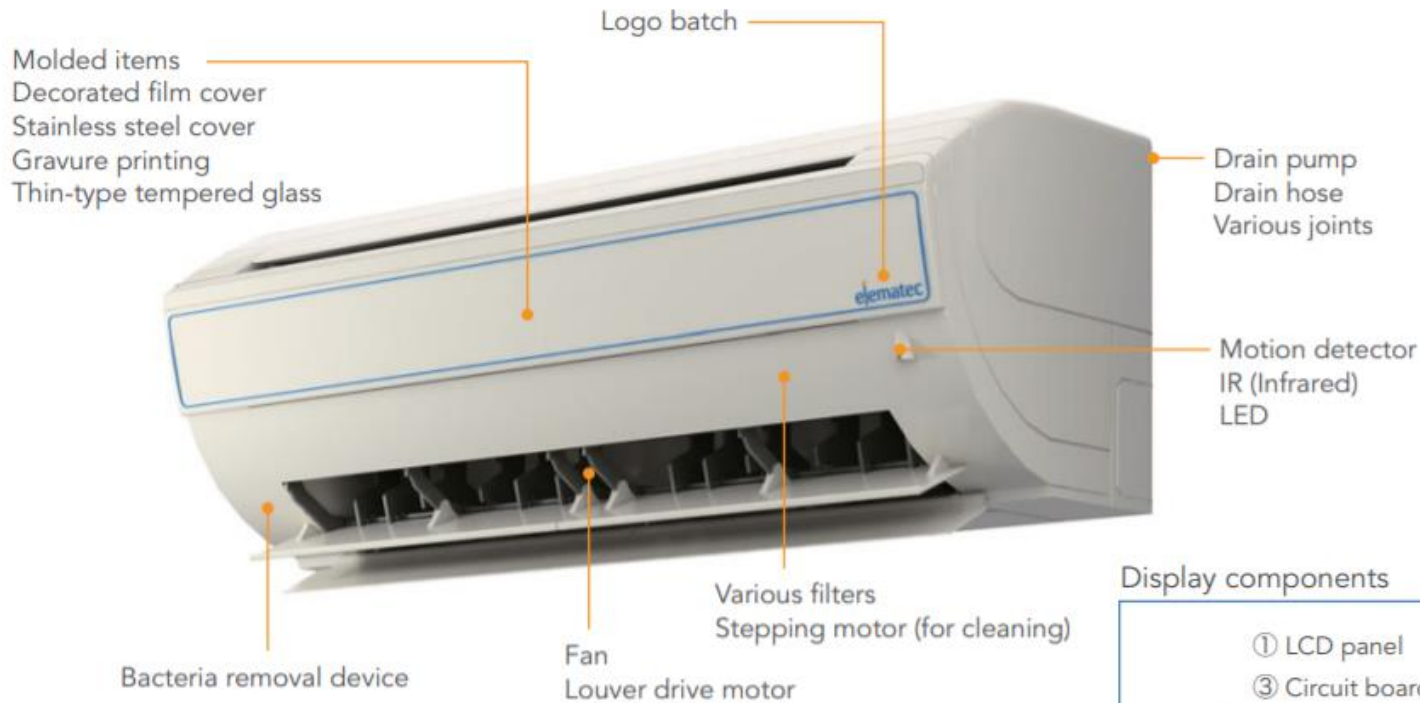
◆ Carl fit decoration structure film



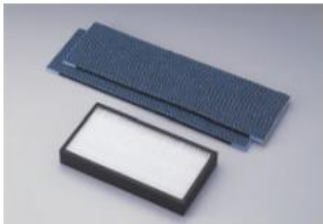
3D printing



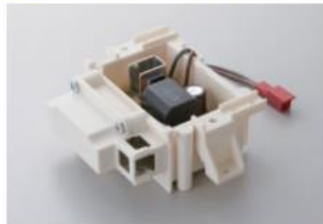
Product we supply – Home Appliances



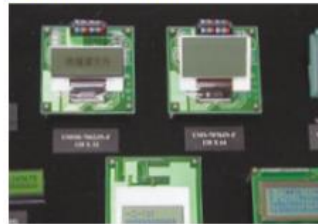
Filter



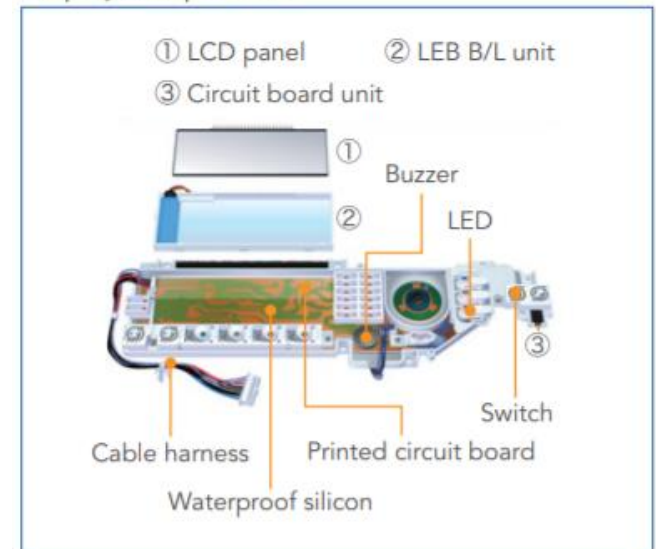
Ozone emitter



LCD module



Display components



Product we supply – Home Appliances

