TAMURA CORPORATION

Your global electronic components partner

























Tamura Corporation

At the beginning...



1924 Established Tamura Radio Store in Shinjuku, Tokyo, Japan



1924-1930

Radio receiving sets Gramophones



2000's Worldwide expansion

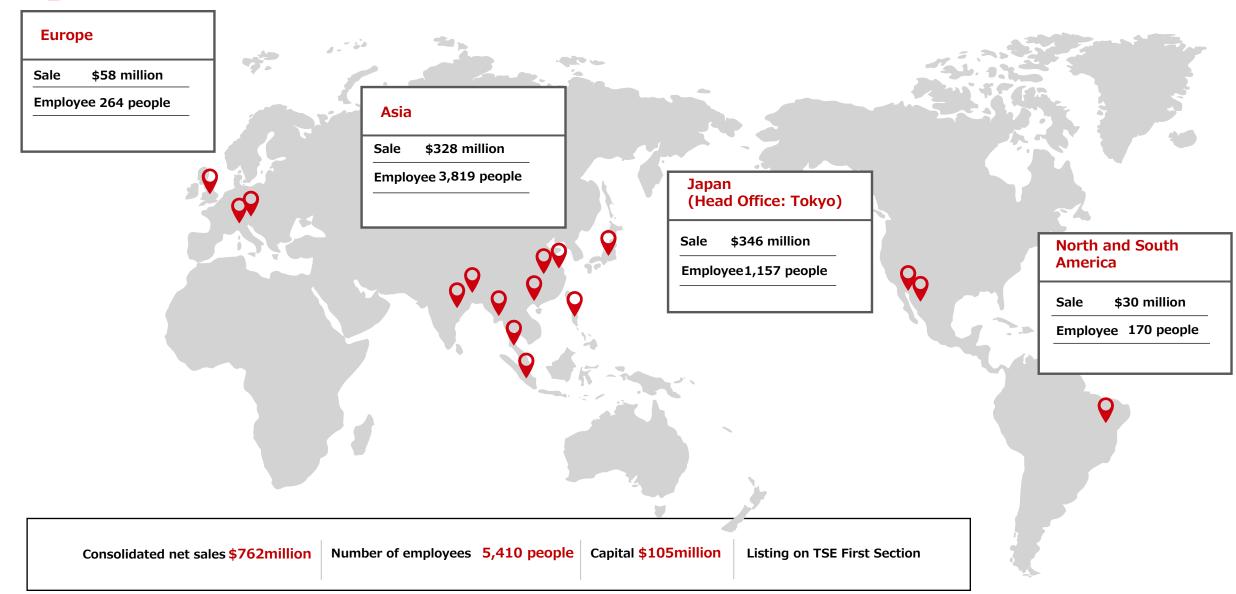
Tamura headquarter in Japan, Tokyo







Company Profile 2021



Business Units

Electronic Components







Transformers, Inductors, Reactors, Choke coils, Current sensors Gate Drivers

Electronic Chemicals FA Systems







Solder paste & Post-flux Self Assembling Material

Solder resist for rigid & flexible PCBs OSP(Pre-flux)
White reflective material,
Black absorbing material

Reflow soldering system
Wave soldering system
Spray fluxer & other peripheral devices

Information Equipment





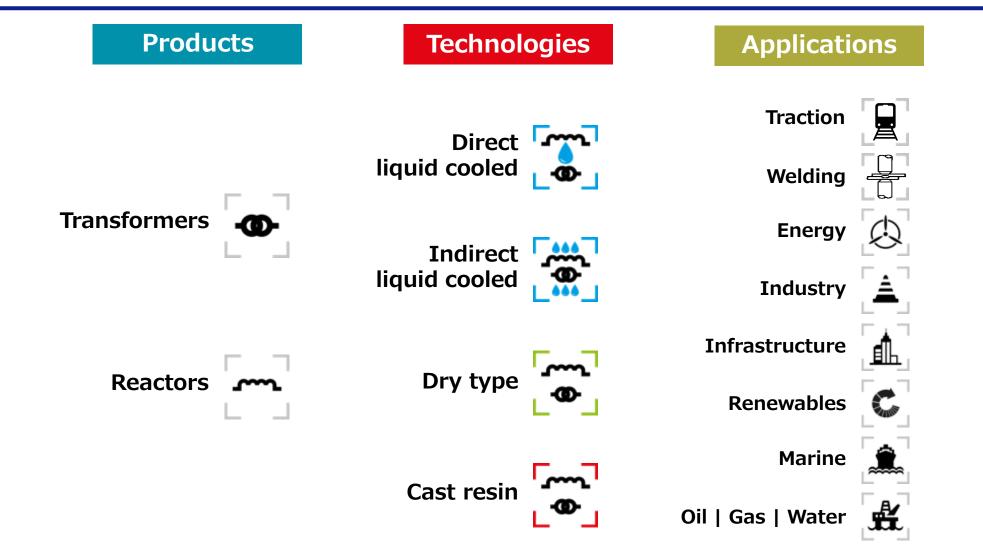


Audio mixing console & Sound editor & other equipment for broadcast use

Wireless intercom Wireless microphone

Communication network equipment Security-related equipment OEM products

Business Units – *Electronic components*



Business Units – Electronic components



LV Transformers and reactors Dry Type (Air Natural/Air Forced cooled)



(Direct Water-cooled)



MV Transformers and reactors Dry Type



LV Transformers and reactors Dry Type (Indirect Water-cooled)



MV Transformers and reactors Cast-Resin





Transformers and reactors for Railways





Transformers for Resistance Welding

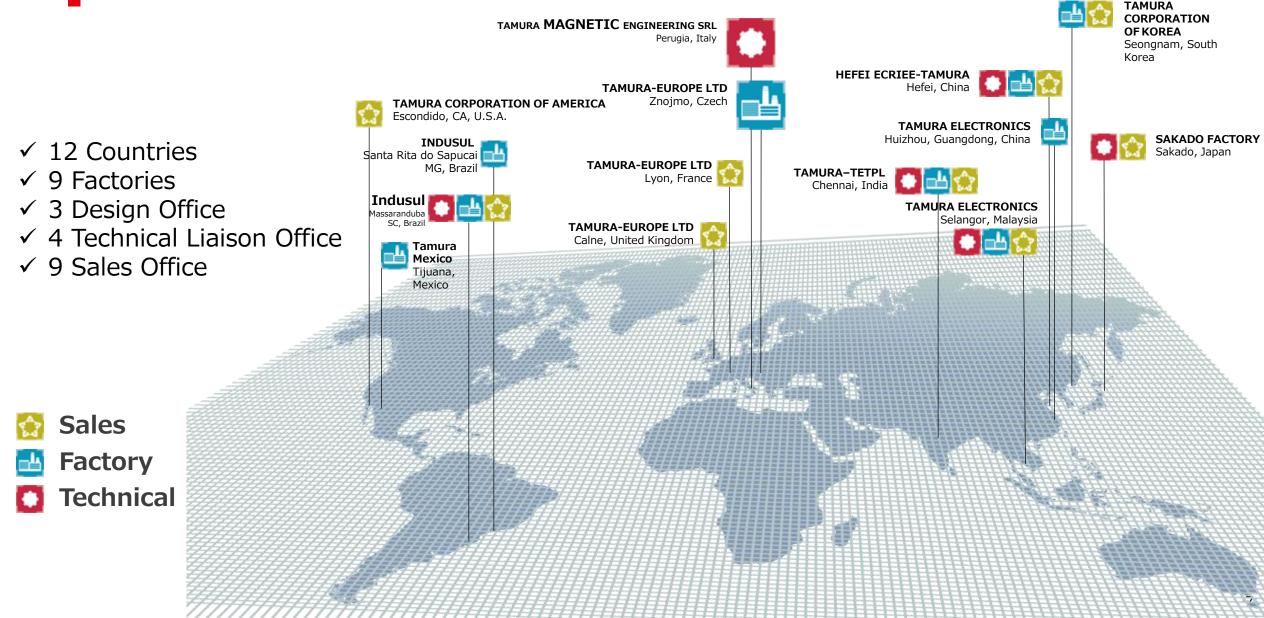






Current Sensors and Gate Drivers

Global Footprint



EU Production Site - Location

- Tamura-Europe Ltd
 - Znojmo, Czech Rep.





Company	Tamura Europe Ltd (Czech)
Factory est.	Year 2012
Location	Znojmo, Czech Republic
Employees	392 People (267 Direct, 99 In-direct)
Factory info	13,000m ² , Crane Max 7ton, Floor 7ton/m ²
Products	Voltage range 500VA ~ 7MVA

EU Production Site - Testing Capabilities

Routine Tests

- Measurement of winding resistance
- Measurement of voltage ratio and check of phase displacement
- Measurement of short-circuit impedance and load losses
- Measurement of no-load loss and current
- Measurement of inductance with AC source, AC/DC, Voltage pulse
- Separate source AC Withstand voltage test (applied voltage)
- Induced overvoltage withstand test
- Hydraulic test: pressure and drop (for WF)

Type and Special Tests

- Temperature-rise test (water cooled / air forced)
- Noise level test
- Partial discharge measurement (Vmax=50kV)
- Lighting impulse test (Vmax 100kV con E=10kJ Vmax=200kV con E=5kJ)

Test Bench technical features

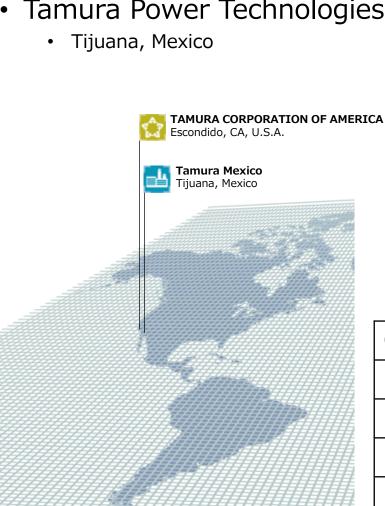
- AC/DC \rightarrow I_{DCmax} 4000A / I_{ACmax} 100A @300Hz
- AC \rightarrow I_{max} 1600A @100V / I_{max} 166A @1000V





MX Production Site - Location

• Tamura Power Technologies de Mexico, S.A. De C.V.

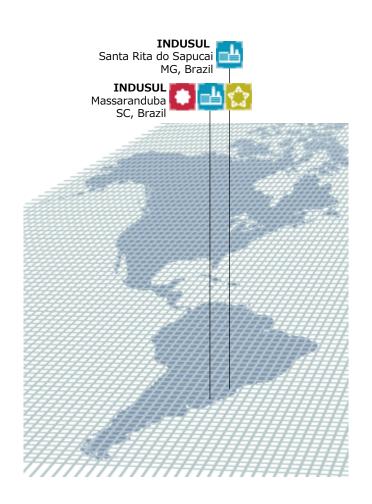




Company	Tamura Power Technologies de Mexico, S.A. de C.V.
Factory est.	Year 1992
Location	Tijuana, Mexico
Employees	133 People
Factory info	7,500m², Crane Max 3ton
Products	Dry type Low Voltage range 1kVA ~ 1MVA

BRA Production Site - Location

- Indusul Transformadores Ltda.
 - Santa Rita do Sapucai and Massaranduba, Brasil





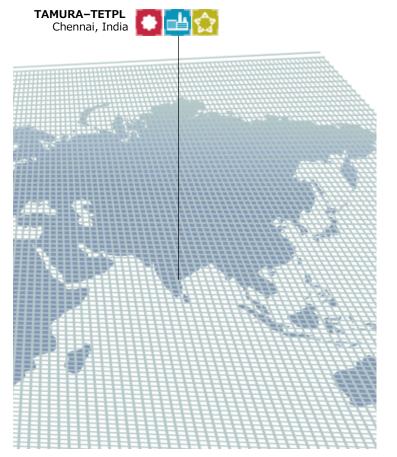


Company	Indusul Transformadores Ltda.
Factory est.	Year 2012
Location	Santa Rita do Sapucai and Massaranduba, Brasil
Employees	200 People
Factory info	Total of 5,000m ²
Products	Dry type LV and MV range 1kVA ~ 15MVA

IND Production Site - Location

• Tamura Elcomponics Technologies Pvt. Ltd.

· Chennai, India

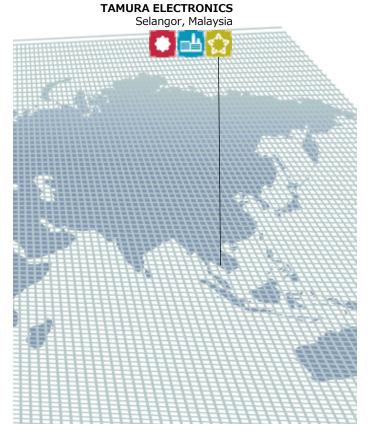




Company	Tamura Elcomponics Technologies Pvt. Ltd.
Factory est.	Year 2015
Location	Chennai, India
Employees	50 People
Factory info	4,000m ²
Products	Dry type Low Voltage range 1kVA ~ 1MVA

MY Production Site - Location

- Tamura Electronics (M) Sdn. Bhd.
 - Shah Alam KL, Malaysia



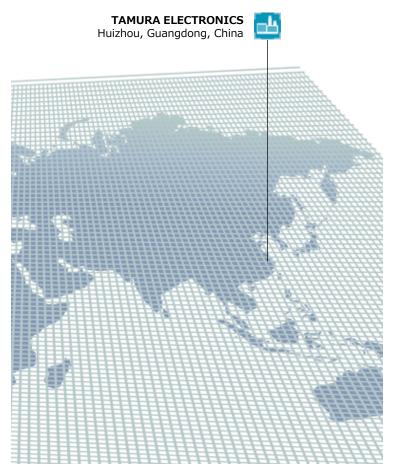


Company	Tamura Electronics (M) Sdn. Bhd.
Factory est.	Year 1975
Location	Shah Alam KL, Malaysia
Employees	250 People
Factory info	14,800m²
Products	Dry type Low Voltage range 1kVA ~ 2MVA

CN Production Site - Location

• Tamura Electronics (Huizhou) CO.,Ltd.

• Huizhou, China

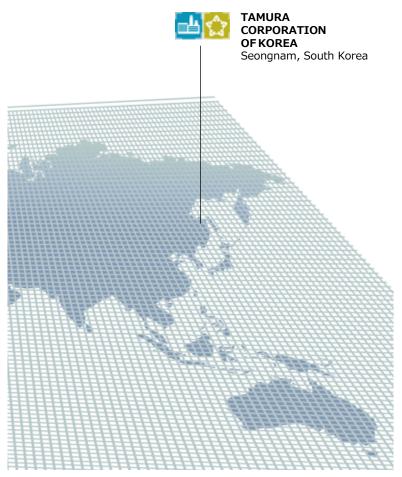




Company	Tamura Electronics (Huizhou) CO.,Ltd.
Factory est.	Year 2003
Location	Huizhou, China
Employees	680 People
Factory info	3,500m ²
Products	Dry type LV and MV range 1kVA ~ 8MVA

KR Production Site - Location

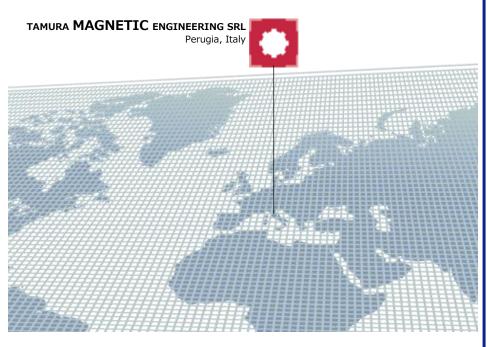
- Tamura Corporation of Korea
 - Seongnam, South Korea



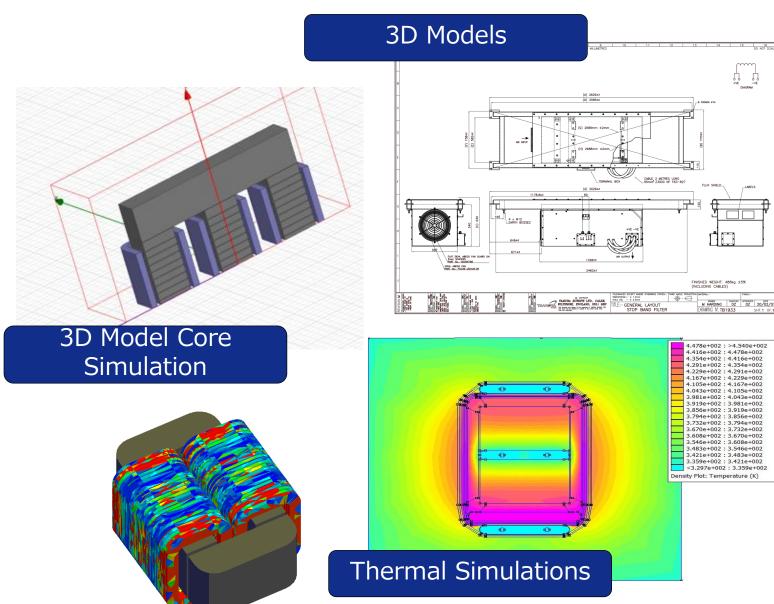


Company	Tamura Corporation of Korea
Factory est.	Year 2003
Location	Seongnam, South Korea
Employees	680 People
Factory info	22,300m², Crane Max 3ton
Products	Dry type Low Voltage range 1kVA ~ 1MVA

Global R&D



- ✓ R&D HQ in Italy
- ✓ ONE global design
- ✓ Valued added solution
- √ 3D drawings
- ✓ Technical analysis
- ✓ FEM analysis for thermal and magnetic behaviour



Quality & Continuous Improvement

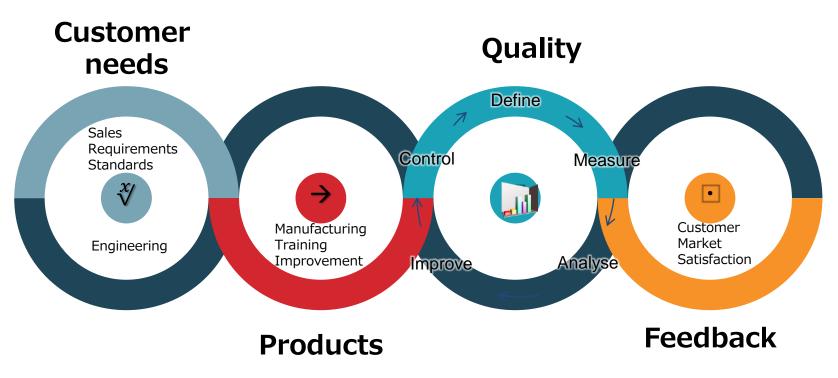
All our factories comply with:

- ISO9001
- ISO14000





- Process-based Control Policy
- Operational Procedures
- KPIs / Action Plan



Global Service



24/7 Emergency Service globalservice@tamura-europe.co.uk



