

Company Profile



東大無線 株式会社
TODAI ELECTRIC LTD.

Corporate Profile

Company Name	TODAI ELECTRIC LTD.
Location	A-3F Twin building Tabata, 1-13-10 Higashi-tabata, Kita-ku, 114-0013 Tokyo, Japan TEL: 03-4332-5307 / FAX: 03-4332-5306
Established	Mar 5th, 1949
President	Fukuo Shimura
Capital	93 million yen
Main Business	Design, Supply and Sales of Electronic parts, production equipments & Jig.
Certification	ISO14001:2004 / ISO9001:2000 / ISO9001:2008 UL: E205977(class B insulation、class F insulation)
Number of employees	700 (of which 58 Japanese) as of April, 2018
Annual turnover	1.7 billion yen(estimated for 2018) 1.7 billion yen(actual sales for 2017) / 1.4 billion yen(actual sales for 2016)

Corporate History

1949 TODAI ELECTRIC LTD. was established at Bunkyo-ku in Tokyo

1973 TSUGARU TODAI LTD. Co was established in Aomori as attraction of enterprises for Nakasato- town

1986 TODAI MALAYSIA SDN.BHD. was established in Johor Bahru, Malaysia

1988 TODAI ELECTRIC LTD. was established in Namioka-machi Minamitsugaru-gun, Aomori

1995 T.T.T.I.Co.LTD. was established in Ho Chi Minh, Vietnam.

1997 TSUGARU TODAI Co., LTD was integrated into TOHOKU TODAI LTD.

2003 TOHOKU TODAI LTD. was integrated into TODAI ELECTRIC LTD.

2004 T.T.T.I. Co. LTD. DANANG BRANCH FACTORY started operation in Danang, Vietnam

2007 ISO9001(2008) Certified - T.T.T.I. Co.,LTD.

2010 T.T.T.I. Co. LTD. DANANG BRANCH FACTORY has changed to T.T.T.I Da Nang Co,LTD. be independent.

2012 ISO9001(2008) Certified - T.T.T.I. Da Nang Co.,LTD.

2012 ISO14001(2004) Certified - T.T.T.I. Co. LTD.

2014 ISO9001(2004) Certified - TOHOKU TODAI LTD.

Established in 1973



**TSUGARU
TODAI
LIMITED
COMPANY**

Established in 1986



**TODAI
MALAYSIA
SDN.BHD.**

Established in 1988



TOHOKU TODAI LTD.

Established in 1995



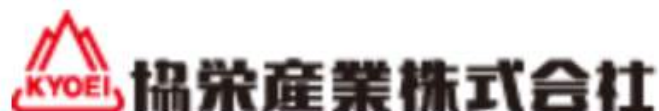
T.T.T.I.Co. LTD.

Established in 2004



T.T.T.I Da Nang Co.,LTD.

Main Clients or Customer



Main Products Lineup (Coil & Transformer)

Supersaturated reactor



High voltage transformer



Smooth choke



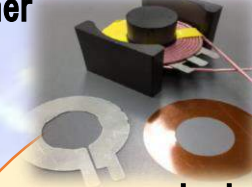
PFC choke



Isolation transformer
(vertical type)
(F種)



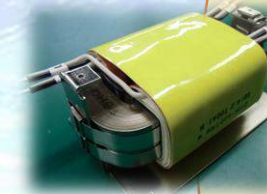
Laminated coil
Trance



Isolation transformer
(Horizontal type)
(F種)



Amorphous transformer



Smart house



Others

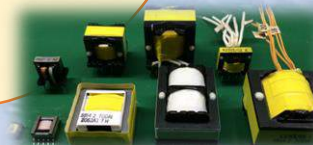


Thin transformer



Industrial equipment
medical

Low voltage transformer



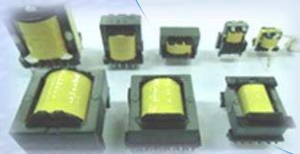
Special coil



Office equipment



Low voltage
transformer



Hammer head coil



Common mode choke



Normal mode choke

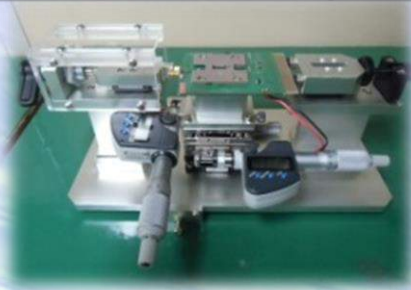


Automotive

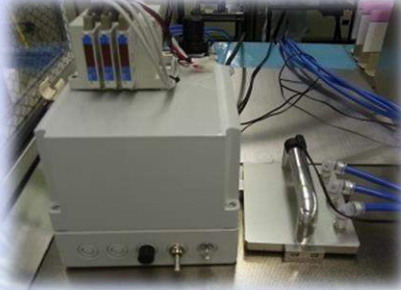


Main Products Lineup (for labor-saving equipment & jig)

Module Electrical Inspection Jig



crystal chip transfer jig



For automobile harness



Harness pressure welding / conduction inspection jig

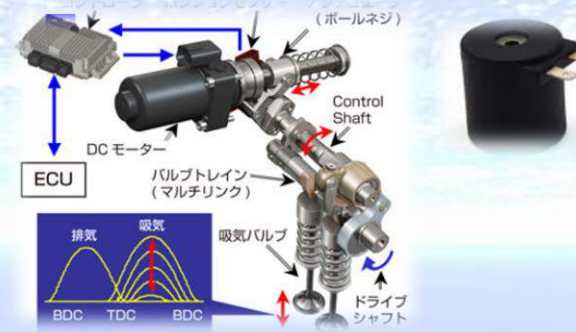
Communication module



Crystal oscillator



For automobile EBS



production equipment of Solenoid coil

Vibrator motor



Module connector



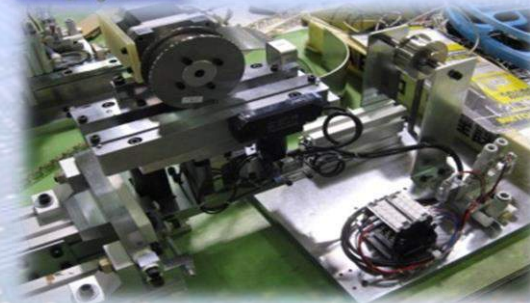
For amusement



Rotor core height inspection jig



Vibration coil production equipment



Module connector assembly jig

Feature ~ manufacturing capability~

WE DO FULL SUPPORT YOUR COMPANY WITH OUR SPECIALISTS.

Design Proposal

What we have/we could

- ① Avoid issues with strong experience
- ② Actual of many products
- ③ Proposal process from factory floor eyes
- ④ Reliability data by our own environmental testing equipment

70 years know-how of transformer-coil design

Production Engineer

What we have/we could

- ① Lead Time shortening for launch
- ② Analysis by IE and automation equipment equipment
- ③ Flexible Ability of remodeling and adjustment with our own processing machine.

Equipment of own design-development-production

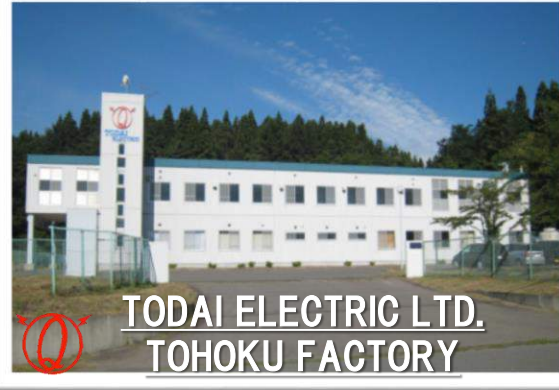
Our Group Company



東大無線株式会社
TODAI ELECTRIC LTD.

Aomori
JAPAN

Tokyo
JAPAN



TODAI ELECTRIC LTD.
TOHOKU FACTORY



T.T.T.I Da Nang Co., Ltd

Da Nang
VIET NAM

Ho Chi Minh
VIET NAM

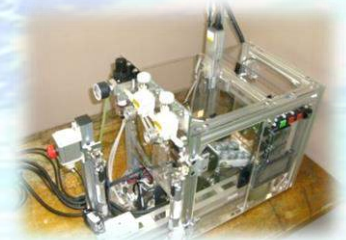


T.T.T.I Co., Ltd



TODAI ELECTRIC LTD.

TODAI ELECTRIC LTD. Tohoku Factory



Company name	TODAI ELECTRIC LTD. Tohoku Factory
established	March, 1973
Responsible person	Factory manager) Ryuya Koseki
Location	175-25, NAMIOKA OHAZA TOKUSAISHI YAMAMOTO AOMORI-SHI, AOMORI, 〒038-1303
Main items	Transformer (industrial machine&automotive) Automated equipment, inspection jig
Certification	ISO9001:2008
Number of employees	49 (as of April, 2018)

Design Proposal ～ 70 years of know-how of Transformer-coil design ～

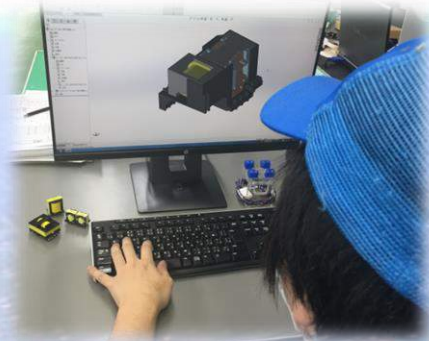
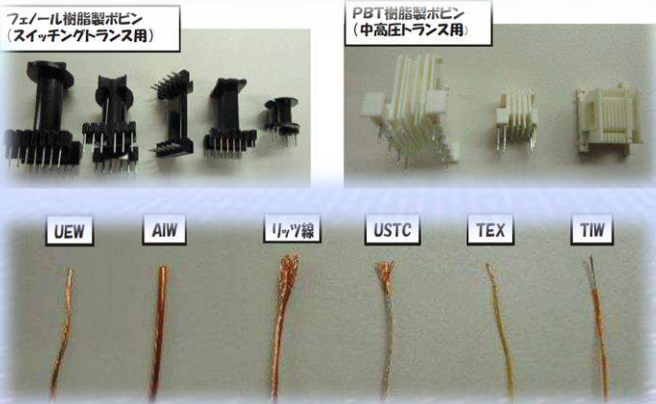
Support your best items with our technical staffs and strong experience.

Check prohibited structure

No.	事例	現象
1	ギャップなしコアでのワニス含浸	
2	コアの上下をボビンと接着固定	ヒートサイクルでコアのクラックが発生 ⇒ インダクタンス低下
3	コイル外形が太くボビンつばからはみだす	
4	サンドウィッチ巻での同端子配線	誤巻数時に工程での判定できない ⇒ コイル発熱
5	同列端子に大幅な直径差の電線を配列	ティップ半田時に半田食われにより線が細くなる ⇒ 断線
6	3層絶縁線と他の電線が直接直交する	交差部で3層絶縁線の被覆にダメージ ⇒ ショート

Confirmation with data of prohibited structure to avoid issues

Proposal for shape & materials arrangement from manufacturing point of view.



After the performance confirmation, we propose the best shape and materials to use.

Proposal of Vietnamese local materials

Reliability assurance with our environmental test equipment



Various environmental test equipment

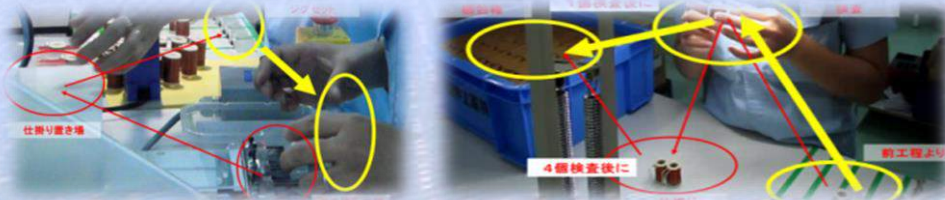


Reliability test by our technical staff

Proposal for investigation of structure re-arrangement and process for products with Sample preparation.



Smample preparation by technical staffs.
We will propose the best method of winding and assembly from the results.

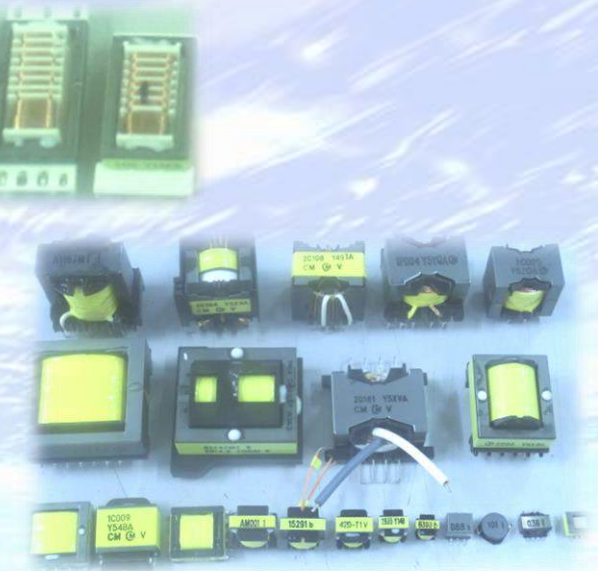
A photograph showing a manufacturing environment with several workers in blue uniforms and caps operating machinery on a green floor. The workers are focused on their tasks, and the machinery appears to be part of a production line.

Final check of equipment operation、installation of equipment at customer - guidance of work methods based on work standards



T.T.T.I CO., LTD.

 東大無線株式会社
TODAI ELECTRIC LTD.



Company name	T.T.T.I CO., LTD.
Established	July 25th, 1996
President	Fukuo Shimura
Factory manager	Yasuo Usui
Location	Ho Chi Minh City Tantuan Export Processing Zone
Capital	2,3 million/ USD (TODAI ELECTRIC 96%、TOWA DENKI 4%)
Main items	High voltage transformer, SW transformer, SMD Type transformaer
Certification	ISO9001:2008、ISO14001 2004
Number of employees	300 (as of April, 2018)

Feature of T.T.T.I CO., LTD.

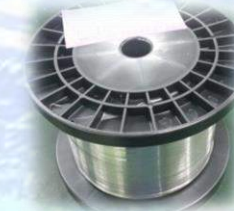
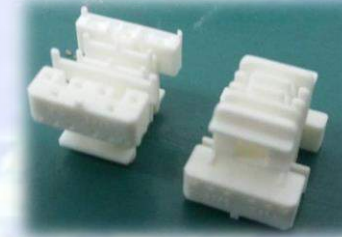
We have own molding process of high-voltage transformer bobbin!



Molding machine



Terminal insertion machine



**Solid one-by-one production !
Smooth scheduling of molding to delivery !**



Production line of high voltage transformer



Fixed-Course Pick-Up



T.T.T.I DA NANG CO.,LTD.

 東大無線株式会社
TODAI ELECTRIC LTD.



Company name	T.T.T.I DA NANG CO.,LTD.
Established	Aug 6th, 2010
Location	Andon Industrial Complex, Danang, Vietnam
President	Yugo Shimura
Factory manager	Hisato Tanaka
Capital	1,7 million /USD (Todai Electric 100%)
Main items	SW transformer、toroidai coil
Certification	ISO9001:2008
Number of employees	350 (as of April, 2018)



Feature of T.T.T.I DA NANG CO.,LTD.

We have own slitting process of original fabric tape !



Tape slitting machine



Various original fabric

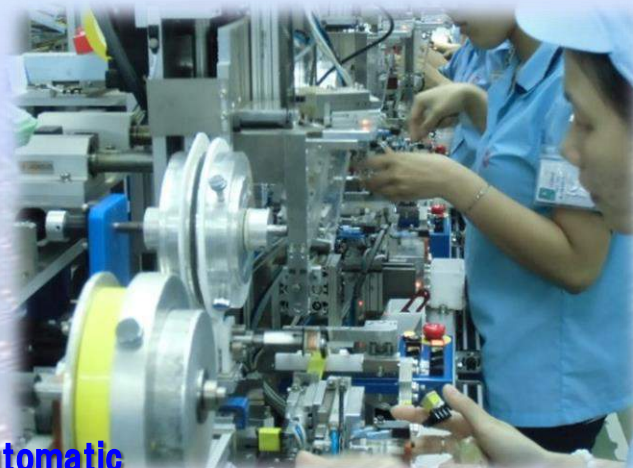


Various cutting tape

Our own technology - SWTautomatic winding machine & toroidal assist machine !



**SWTautomatic
winding machine**



Assist machine



TODAI ELECTRIC LTD.

**A-3F Twin building Tabata, 1-13-10 Higashi-tabata,
Kita-ku,114-0013**

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F A X +81-3-4332-5306



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T.T.T.I Co. LTD.

Tan Thuan Export Processing Zone, Tan thuan Dong
Ward-Dist 7 Ho Chi Minh City, VIET NAM

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& 37701343
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Son Tra District Da Nang City , Viet Nam

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& 3935145
FAX +84-236-3935143



**Contact us about
Coil/Production equipment**

Coil/Transformer
TEL: 03-4332-5303

Production equipment
TEL: 0172-62-9922

All equipment
e-mail : info@todai.co.jp

website
http://www.todai.co.jp/frame_j.htm