Tsukiden
Tsukiden Electronics Philippines, Inc.

COMPANY PROFILE

Rev. 00 (June 2024)

Bridging Customers to their Needs.

Tsukiden

Your Electronic Manufacturing Service Provider (EMS)
"*Bridging Customer to their Needs*"

Mission

To be the preferred company providing
high value added
Electronic Manufacturing Services
to our Customers.

Tsukiden

<u>Our Key Strength</u>

- Using Up to date SMT Technology
- Highly Flexible and Motivated Employees
- Customer focused production set-up
- Can do both " *high mix low volume and low mix high volume production".*
- Can serve short lead-time product requirement.
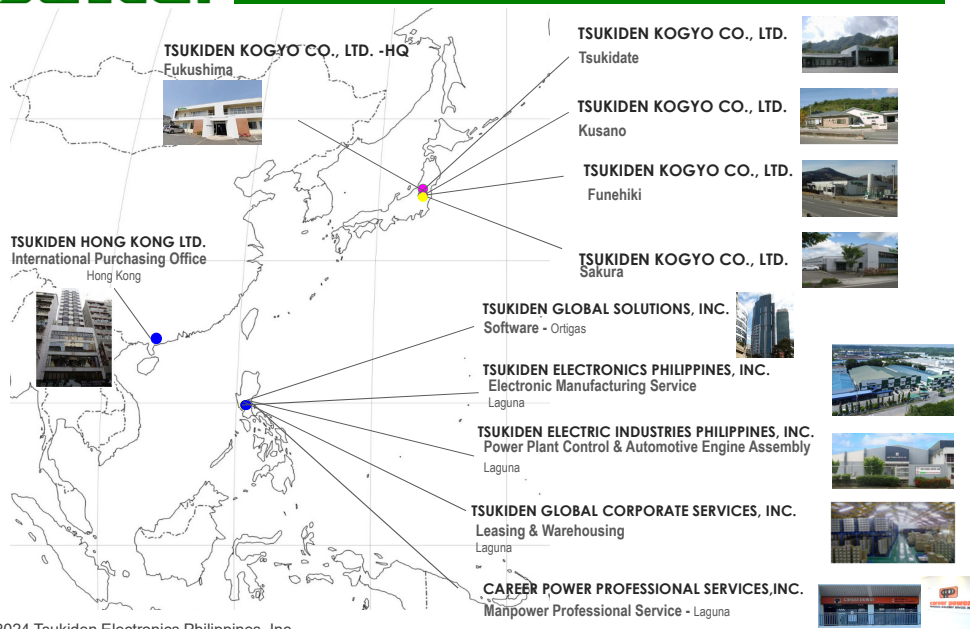

Tsukiden

<u>Capabilities</u>

- PCBA Assembly
  - SMT & Through Hole
- Chips on Flex Assembly
- Sub Assembly & Complete Box Build Assembly
- Prototype Assembly
- In-circuit/Functional Testing
- Burn-in Testing

- Automated Optical Inspection (AOI)
- X-ray Inspection
- Baking
- BGA Rework
- Conformal Coating/Potting
- Incoming Inspection
- Consignment & Turnkey

Tsukiden

Services

- Rework and Warranty Repair
- Design of PCB's for manufacturability
- Design for Testability
- Reliability test support
- Parts material storage and control

Tsukiden — *Tsukiden Group of Companies*

TSUKIDEN KOGYO CO., LTD. -HQ
Fukushima

TSUKIDEN KOGYO CO., LTD.
Tsukidate

TSUKIDEN KOGYO CO., LTD.
Kusano

TSUKIDEN KOGYO CO., LTD.
Funehiki

TSUKIDEN HONG KONG LTD.
International Purchasing Office
Hong Kong

TSUKIDEN KOGYO CO., LTD.
Sakura

TSUKIDEN GLOBAL SOLUTIONS, INC.
Software - Ortigas

TSUKIDEN ELECTRONICS PHILIPPINES, INC.
Electronic Manufacturing Service
Laguna

TSUKIDEN ELECTRIC INDUSTRIES PHILIPPINES, INC.
Power Plant Control & Automotive Engine Assembly
Laguna

TSUKIDEN GLOBAL CORPORATE SERVICES, INC.
Leasing & Warehousing
Laguna

CAREER POWER PROFESSIONAL SERVICES,INC.
Manpower Professional Service - Laguna

Tsukiden — *Operations History*

1987	JUN	Tsukiden Kogyo Philippines, Inc. start its operation in t he Philippines
		Main activity is HDD/FDD PCB/FPC assembly sub-contracting
1988	JUL	Tsukiden Electronics Industries, Inc. (TEII) was established in Quezon City, Phils.
		Main business activity is assembly of computer peripherals particularly FDD
1989	NOV	TEII started production of 3.5 Hard Disk Drive (HDD)
1993	AUG	Laguna Electronics, Inc. (LEI) was established in Laguna Technopark, Biñan, Laguna
1994	MAY	LEI started production of Analog Mobile Phone
1995	SEP	LEI constructed Plant 2 for the assembly of 3.5 Hard Disk Drive (HDD)
1996	NOV	LEI started its own SMT Assembly Line and started producing FDD-PCBA
1997	JUL	ISO 9002 Certification for the Plant 2 by SGS Yarsley Int'l. Certification Services Ltd.
1997	SEP	ISO 9002 Certification for the Plant 1 by TUV Produt Service
1997	SEP	LEI-Plant 2 was renovated to assemble high capacity of IBM-NEC 3.5 Hard Disk Drive
1997	DEC	LEI-Plant 2 started production of IBM-NEC 3.5 Hard Disk Drive
1998	MAR	ISO 14001 Certification by SGS Int'l Certification Services
1998	MAR	LEI-Plant 1 started production of Zip drive
2003	MAY	ISO 9001 : 2000 certification by AJA Registrars, Inc.
2003	DEC	OHSAS 18001 : 1999 Certification by AJA Registrars, Inc.
2004	OCT	ISO/TS 16949 : 2002 Certification by SGS Philippines
2006	APR	LEI started its operation of Chip-on-Flex (COF)
2010	SEP	Company Name change to Tsukiden Electronics Philippines, Inc.
2011	SEP	ISO 13485:2003 Certification by SGS Philippines
2014	MAR	Started operation for extension facility LTC-SEZ (Bldg. 1) for the Assy of Multi Media Projector
2017	OCT	IATF 16949 : 2016 Certification (First company in PH certified by SGS)
2021	APR	Change Corporate logo to harmonize with Tsukiden Group of Companies

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Tsukiden — *Company Outline*

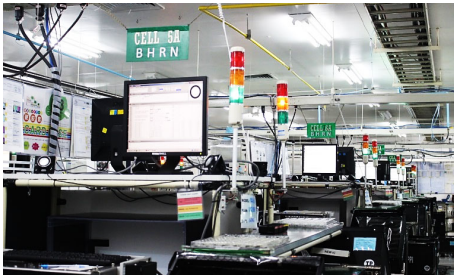Tsukiden Electronics Philippines, Inc. is a wholly owned subsidiary of Tsukiden Hong Kong Ltd.

➤ Date of Incorporation - March, 1992

➤ Paid-up Capital - Php 300,000,000.00 (US$7M)

➤ Plant/Start of Commercial operation/Area:

    - P1 : August, 1993

    - P2: September, 1995

     * All sites are 100% backed-up by emergency power generator *

➤ Number of Employees: 925 MP

➤ Production Lines : 4 Solder wave lines / 28 SMT lines with 400M shot count capability

➤ Chairman : Mr. Kazuma Hanzawa

➤ President : Mr. Edgardo Etac

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Tsukiden Organization

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Capabilities

SMT PRODUCTION LINE

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Capabilities

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Parts and Material Control

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RECEIVING AND ISSUANCE PROCESS FLOW

RECEIVING OF PARTS FROM SUPPLIER

| Receiving of parts from LGSI | Collect and check incoming document | Actual receiving inspection | Stamp Invoice Number and Received Date |

PMC PARTS RECEIVING

| Checking of Actual Part vs. Invoice | Encode Part in Databank | Make Barcode Sticker | Attach Barcode Sticker |

| Put labelled parts in "PMC Parts for Storage" box | Store parts on designated area |

PMC PARTS ISSUANCE

| Received Request from Production line | Prepare parts request | Encode parts for issuance on Database | Received parts by Production line |

List of Customers

Tsukiden

Ams Asia Philippines	**KAERTECH** Limited (Hong Kong)
Applied **E**lectronics **C**orporation (Japan)	**LITTELFUSE** Phils, Inc. (Philippines)
ARKUS Electronics Philippines Inc.	**MIDORIYA** Electric (Philippines) Corporation
BOSCH (Netherlands)	**MITSUBISHI HITACHI** Power Systems, Ltd. (Japan)
CEBU MITSUMI, Inc. (Philippines)	**Northstar** Technologies Industrial Corp (Philippines)
DELTADRIVE Phils. Inc. (Philippines)	Nikkoshi Phils. **C**orp. (Philippines)
DENSO TEN Philippines	**Nihon Denkei** (Philippines)
DX Antenna Philippines, Inc.	**NOVALUX** Electronics (Hongkong)
EDA Philippines Industries Inc.	**SANKO** Semiconductor Co., Ltd. (Japan)
ELEMATEC Philippines, Inc.	**SANYO DENKI** Philippines, Inc.
Epson **P**recision **P**hilippines, **I**nc.	**SECURE ELECTRONICS** Pty Ltd. (Australia)
GINTUGA Philippines, Inc.	**SUMITRONICS** Philippines, Inc.
GLORY Ltd. (Philippines.)	**SOLPHILS** (Philippines)
HOKUBU Communication (Japan)	**SUNBIRD** Engineering Ltd. (Hong Kong)
ISENSORS, Inc. (Philippines)	**SUNPOWER** Philippines Manufacturing Limited
Japan **D**isplay **I**nc. (Japan)	**TOA** Electronics Group (Japan)
JCM Gold (Japan)	**T**sukasa **E**lectronics **P**hilippines, **I**nc.

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Automotive Electronics

CAR Navigation System
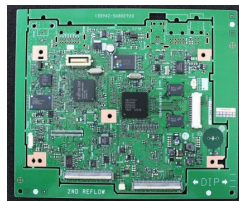
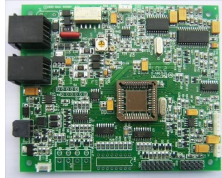### Sensor & Power Window Controller
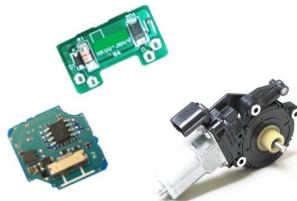
Turbo Sensor Assembly

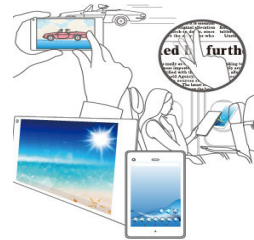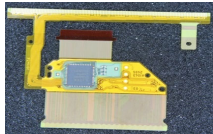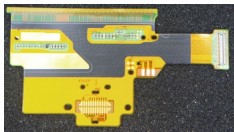© 2024 Tsukiden Electronics Philippines, Inc.

Medical

Pulse Oximeter
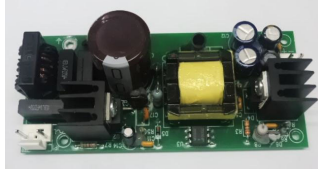
Medical Alert System

Telecommunication

Smart Phone & Tablet

Fiber Optics

Multi band cellular antennas

Wearables

Smart Glasses
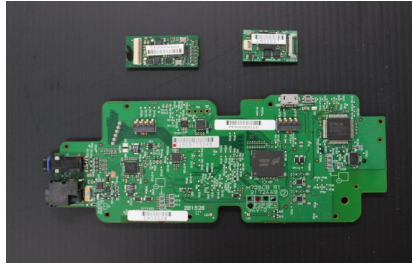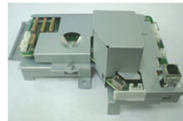
Consumer

Inkjet Printer

Multimedia Projector

Consumer

Cash Counting Machines
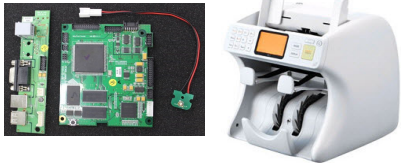
Portable Label Printer

Public Address System

Smart Toothbrush
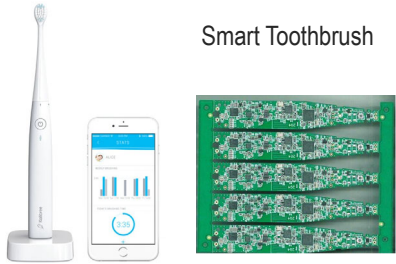
Tsukiden — *Manpower Headcount*

MANPOWER

• President/Japanese/Manager/Section Head	25
• Engineer	52
• Supervisor / Junior S.V. / Specialist	89
• Assistant	7
• Technician	51
• QA Inspector	40
• Operator (Regular)	152
• Contractual	509
Total	**925**

Tsukiden — *Employee Demographics*

SEX/CIVIL STATUS

	MANPOWER	MARRIED	SINGLE
MALE	18%	28%	72%
FEMALE	82%	16%	84%

EDUCATIONAL PROFILE OF OPERATORS

- College Graduate — 26%
- College Level — 9%
- 2-yr Vocational Course Graduate — 13%
- 1-yr Vocational Course Graduate — 6 %
- High school Graduate — 46%

Tsukiden — *Management System Certification*

(Environmental Management)

ISO 14001 (Ver 2015)
Sept 2025

ISO 45001 (Ver 2018)
Sept 2025

Tsukiden — *Management System Certification*

(Quality Management)

ISO 9001 (Ver 2015)

Sept 2025

ISO 13485 (Ver 2003)

Sept 2014

Tsukiden — *Management System Certification*

"The First Philippine company certified by SGS in IATF 16949:2016"

IATF 16949 (Ver 2016)

Feb 2024

Tsukiden

Electronics Manufacturing Service (EMS)

Tsukiden Kogyo Co. Ltd. (JP) : www.tsukiden.com

Tsukiden Electric Industries Philippines, Inc. (PH) : www.tsukiden-industries.com

Software Solutions

Tsukiden Global Solutions, Inc. (PH) : www.tsukiden.com.ph

Warehousing & Logistics

Tsukiden Global Corporate Services, Inc. (PH) : www.tsukiden-global.com

Manpower Outsourcing

Career Power Professional Management Services, Inc. (PH) : www.careerpower.com.ph

International Purchasing Office (IPO)

Tsukiden Hong Kong Ltd. (Hong Kong)

Tsukiden

Thank you very much

Mabuhay!