

Power Management Solutions

TOIREX



TOREX SEMICONDUCTOR LTD.

Torex...Powerfully Small!

A specialist in Analog power supply IC design,
development and manufacturing.

Latest up date: June. 2010



Company Outline

- Name: TOREX SEMICONDUCTOR LTD.
- Address: Tokyo Japan
- Founded: March 1995
- Chairman: Masaharu Ozaki
- President: Tomoyuki Fujisaka
- Capital: 984.78 million JPY
- Employees: 195

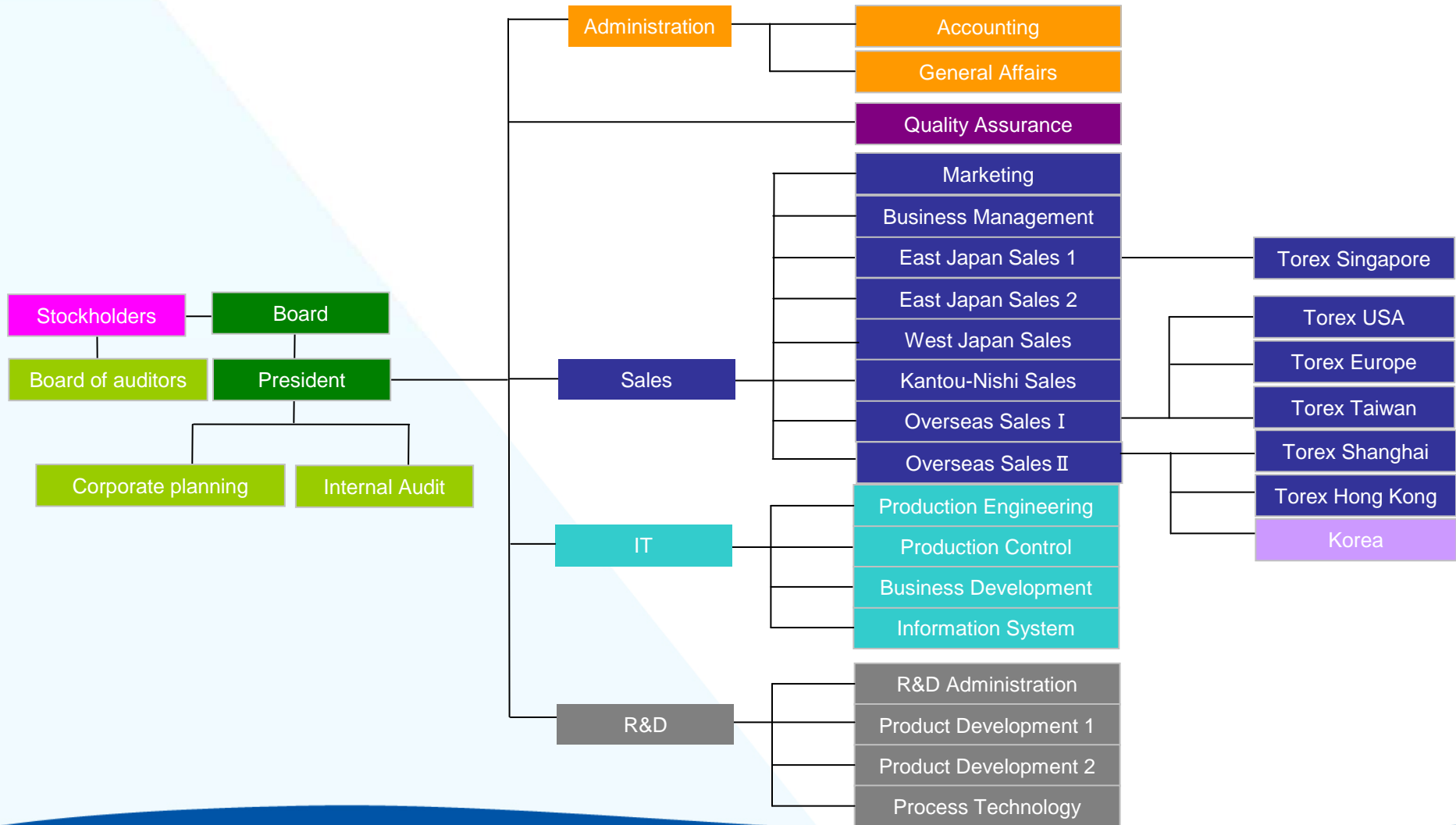
Corporate Philosophy



Our Corporate Philosophy is to endeavor to continue to improve on our intellect and to be responsive to market demands by creating highly valuable products. To contribute to the maintenance of our global environment, to the prosperity of our society and at the same time enabling each and everyone involved in our business to prosper.



Corporate Structure

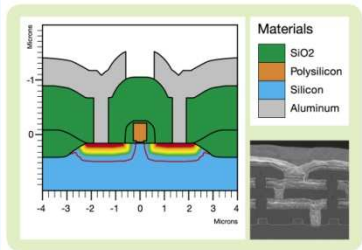


Corporate Features

A fabless specialist in power management ICs

Power Management ICs

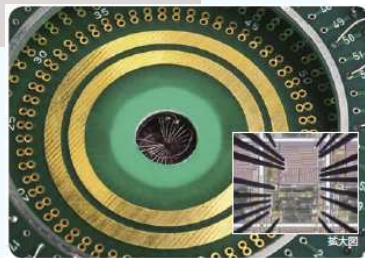
Analog ICs



Process simulation



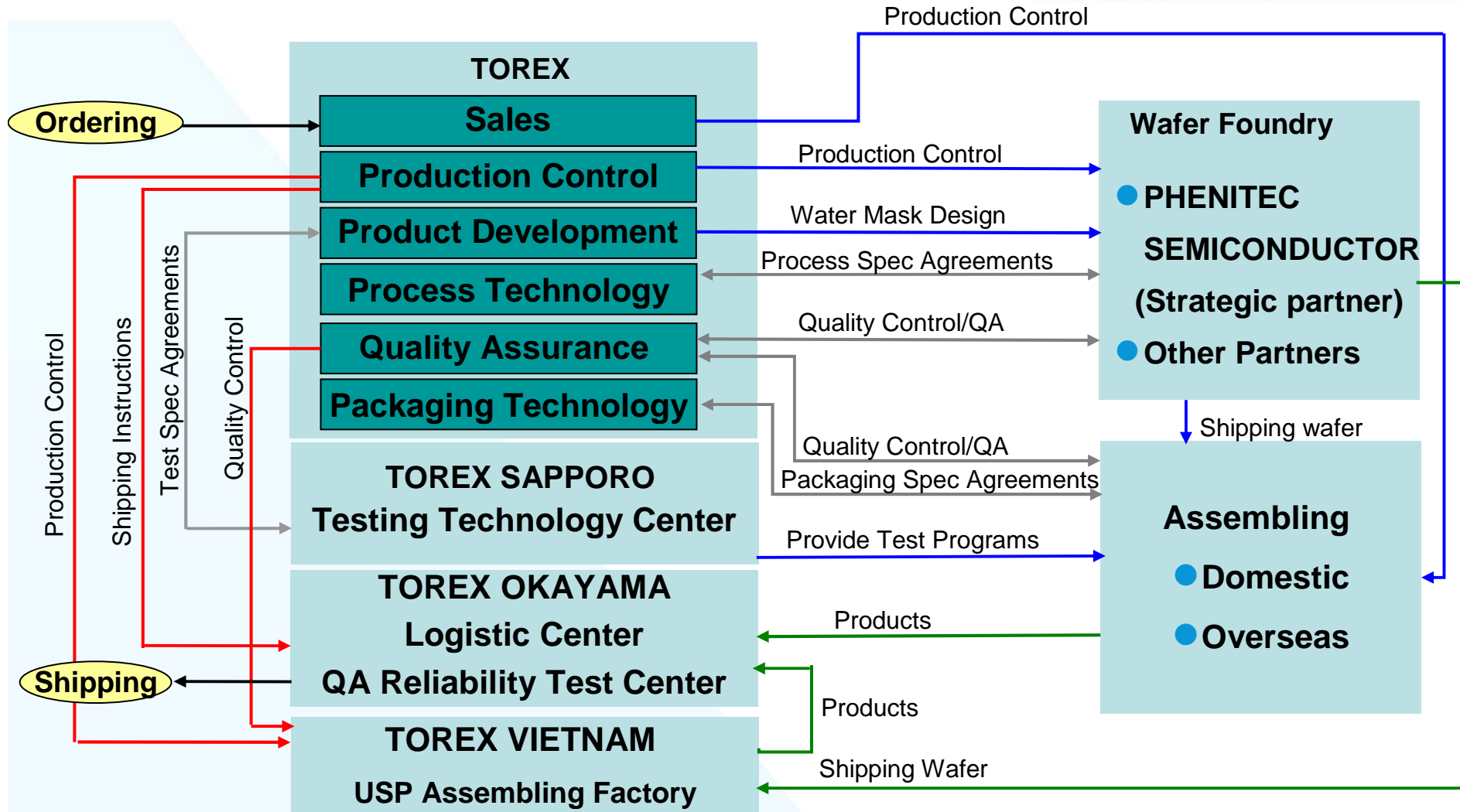
USP package



Testing

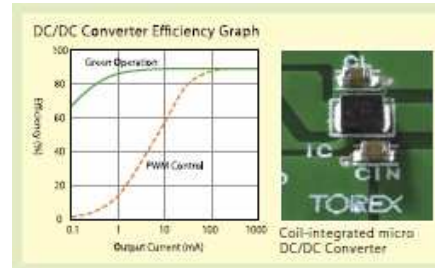
- Sales
 - Quick support for solutions
 - Provide free evaluation boards
 - FAEs located globally (to hear next generation demands)
- Product Design
 - Professional team for Analog product design
- Production Technology
 - develop own analog process although fabless
 - develop own ultra small packages (USP)
 - develop own test program for products
- Quality and Environment
 - Continuous global environmental conservation activities

Relations between TOIREX and Manufacturing Partners



Technical Features

- Analog ICs by CMOS Process
 - Low Power Consumption
 - Green Operation

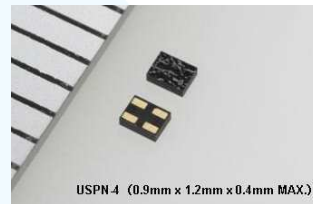


- High Speed Laser Trimming Technology
 - High Accurate Outputs $\pm 1\%$, $\pm 2\%$
 - Wide Output Options in 0.05V Steps



- Small Packages

- USP-3/4/6/8/10, USPN-4/6, USPQ-4, USP-2
- SOT-23/25/26, SSOT-24/25



- Environment

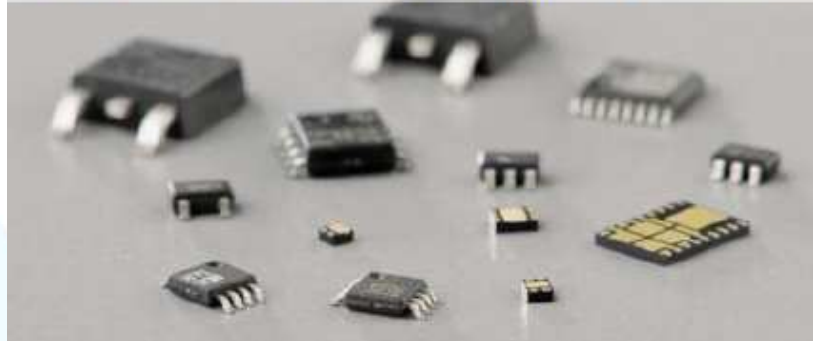
- RoHS Compliant (EU-RoHS 2002/95/EC, 2005/618/EC)
- Halogen & Antimony free products
- Sony Green Partner Certificate (SKZ6432)
- ISO14001 Certificate (March 2003)
- ISO9001:2000 Certificate (August 2008)



Products

PRODUCTS

The TOIREX "Cutting-edge Technology" Product Lineup



- Voltage Regulators (High Speed LDO, 3-Terminal VR)
- DC/DC Converters (Step-up, Step-down, Inverting)
- Coil integrated micro DC/DC converters
- Charge Pump ICs (Step-up, Inverting)
- Load Switches
- Battery Charge ICs
- Voltage Detectors (Reset IC, Watchdog VD)
- Power MOSFETs
- Temperature Sensor Ics
- Magnetic Sensors(Hall ICs)
- Low Noise Amplifier
- Operational Amplifiers
- Crystal Oscillator ICs
- PLL Clock Generator ICs
- Logic ICs
- Schottky Barrier Diodes

Applications



Club TOREX WEB Support

—Club Torex Member Services—

News letter by e-mail (once a month)

Free Sample Service

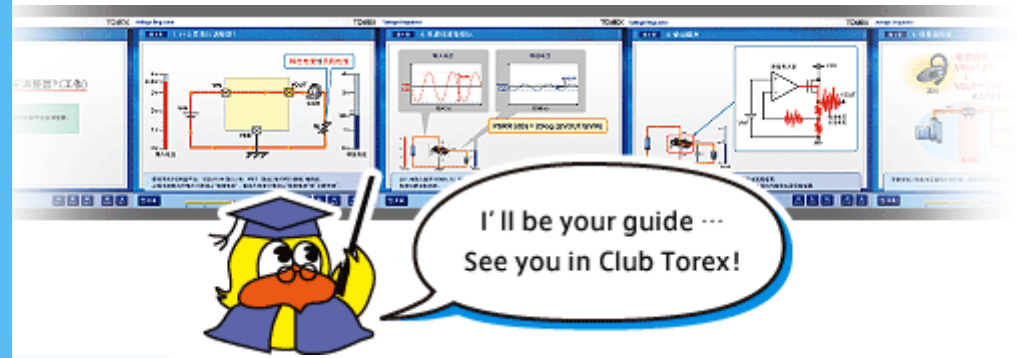
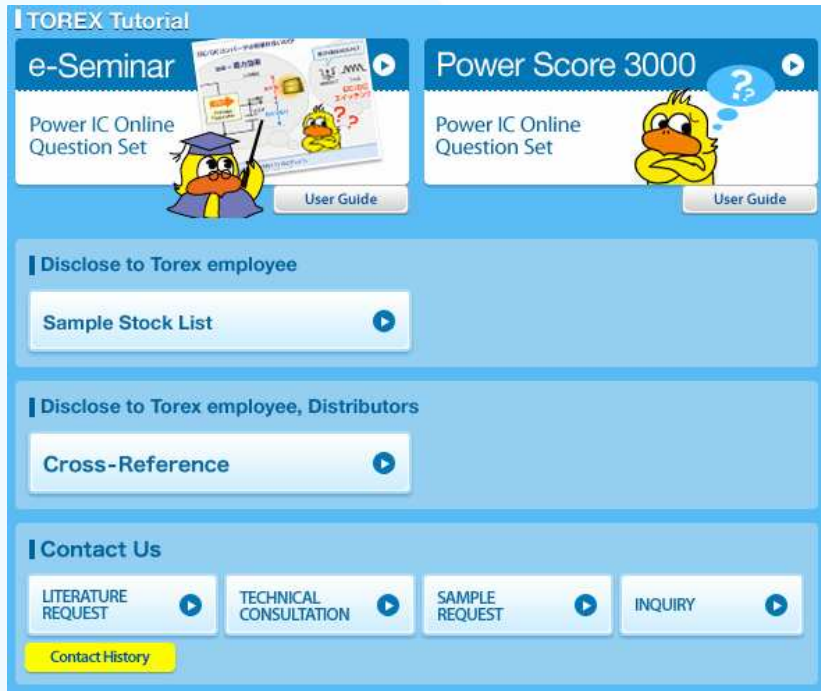
Animated Tutorial for Power Management ICs

Web -based educational quiz, PowerScore3000

Technical Consultation

Cross-Reference Chart*

*This part is only for distributors



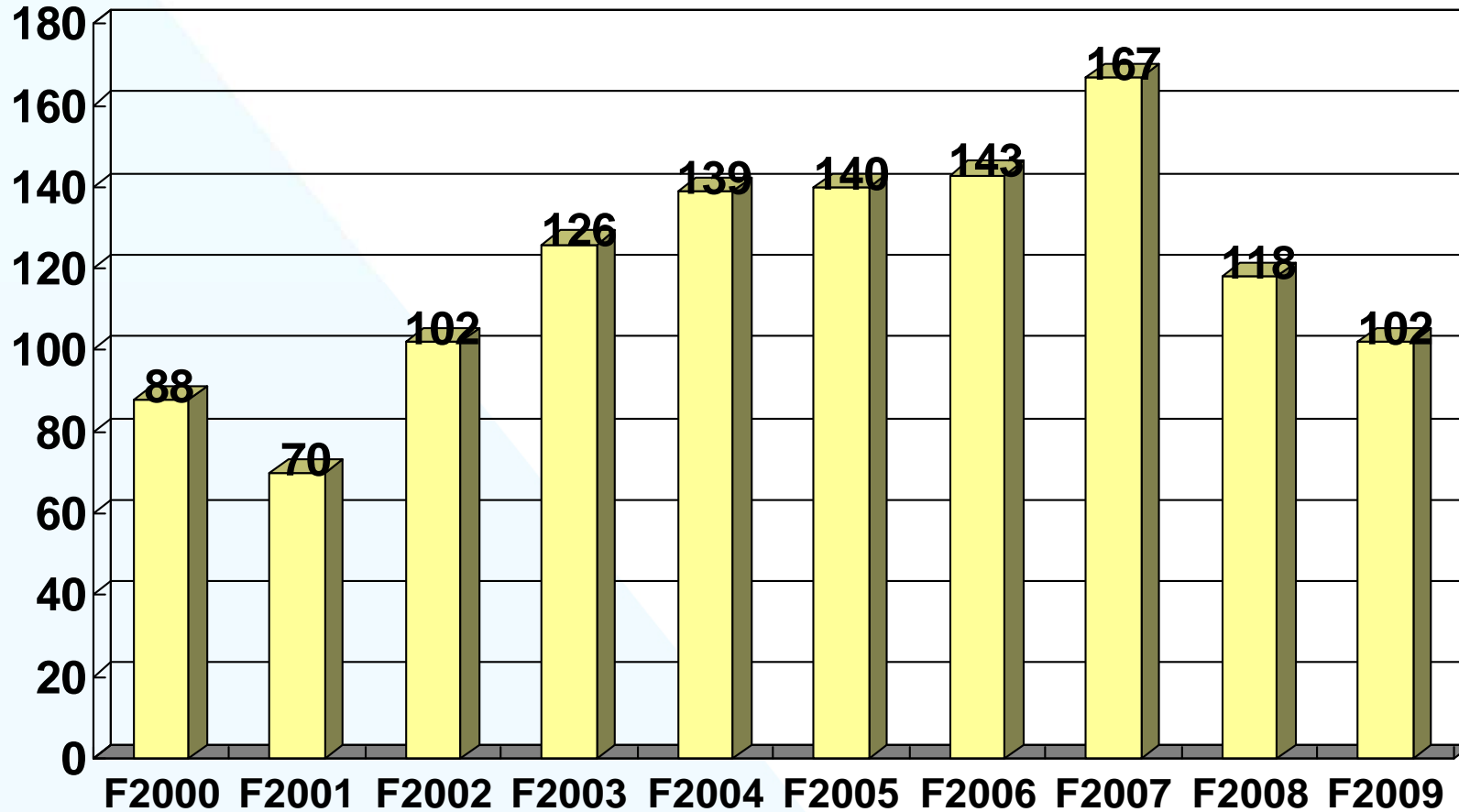
<https://club.torex.co.jp> ←Link

Torex Brand IC Sales History

(Non-Consolidated Financial Statement)

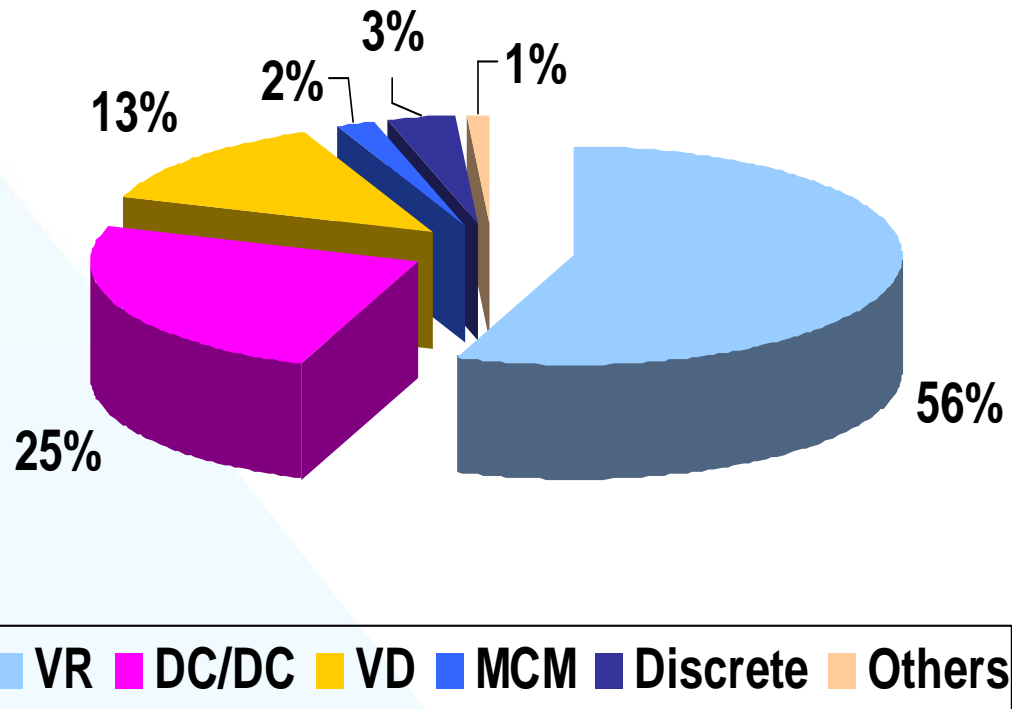


UNIT: 100 Million Japan Yen



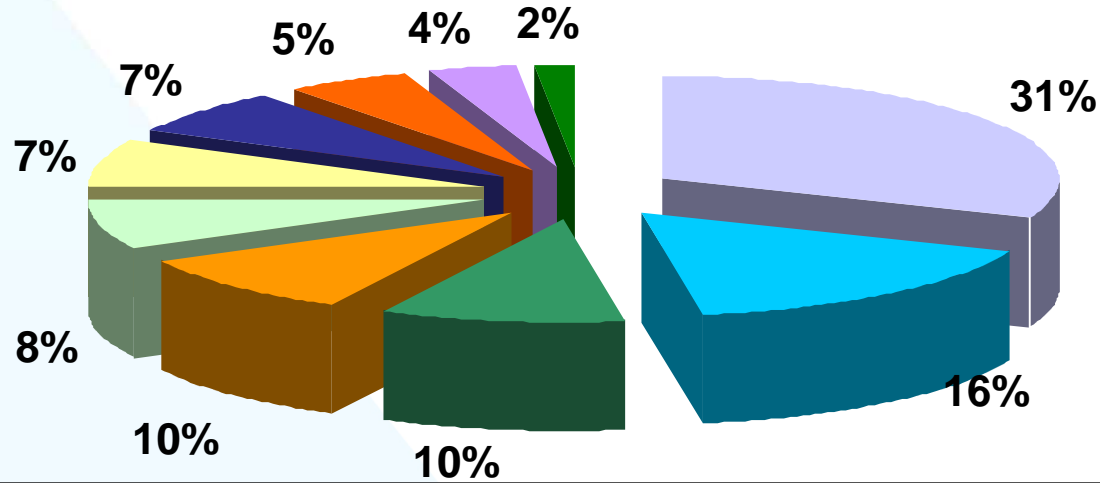


Sales by Product Segment





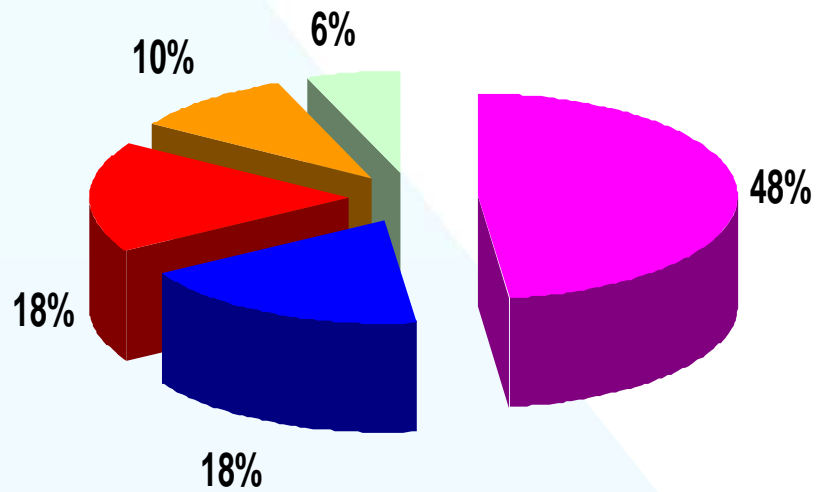
Sales by Market Segment





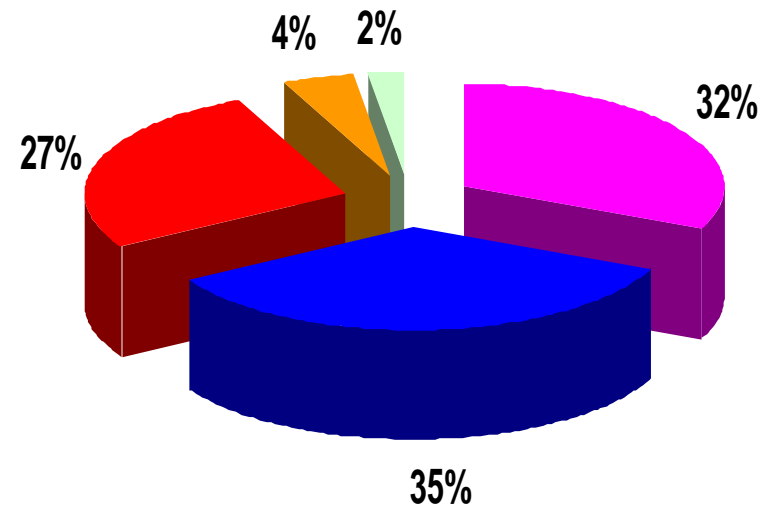
Sales by Area Segment

Design-in Base



■ Japan ■ China ■ Asia ■ EU ■ North America

Logistic Base



■ Japan ■ China ■ Asia ■ EU ■ North America

Torex Sites in Japan





Torex Global Sales Network





THANK YOU

