



TOKYO ELECTRON

FACT BOOK 2017

東京エレクトロン ファクトブック 2017

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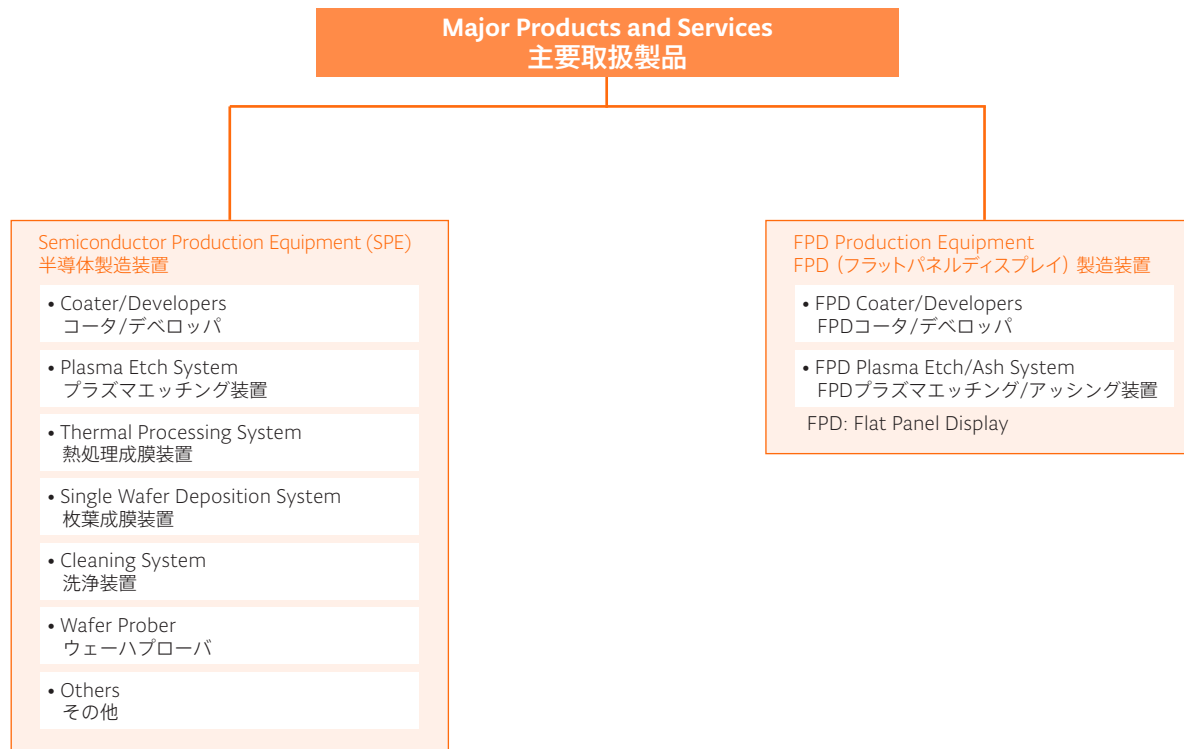
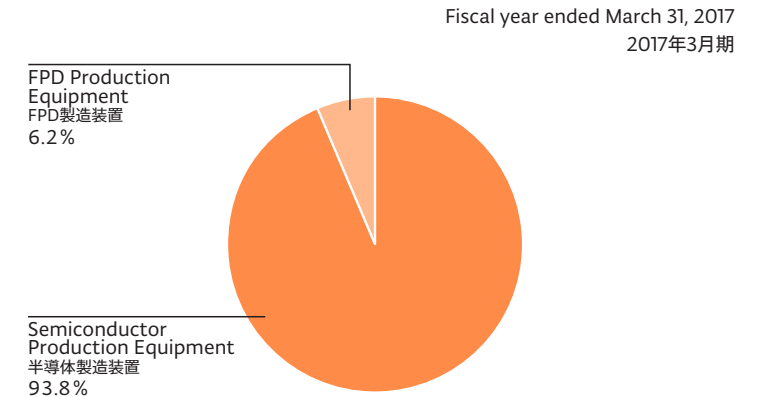
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As of March 31, 2017

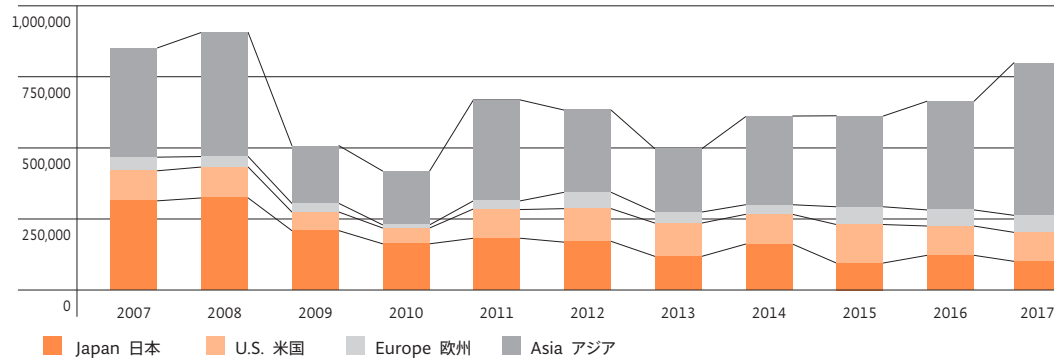
■ Corporate Information
会社概要

| | |
|------------------------------------|---|
| Corporate Name 商号 | Tokyo Electron Limited 東京エレクトロン株式会社 |
| World Headquarters 本社所在地 | Akasaka Biz Tower, 3-1 Akasaka 5-chome, Minato-ku, Tokyo, Japan 東京都港区赤坂5-3-1 赤坂Bizタワー |
| Established 設立 | November 11, 1963 1963年11月11日 |
| Capital 資本金 | ¥54.9 Billion (as of March 31, 2017) 549億円 (2017年3月31日現在) |

■ Composition of Net Sales by Segment
セグメント別売上構成比

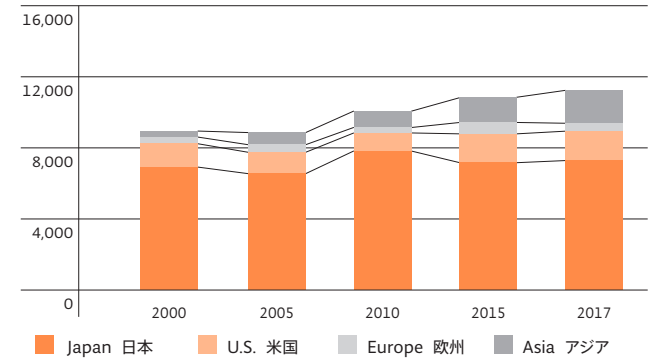


Consolidated Sales by Region
地域別連結売上高推移



| FY 年度 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|
| Japan 日本 | 313,816 | 323,946 | 208,870 | 162,608 | 182,165 | 171,364 | 118,503 | 161,630 | 95,045 | 121,807 | 101,122 |
| U.S. 米国 | 105,716 | 108,760 | 65,536 | 55,640 | 103,013 | 114,951 | 117,193 | 104,616 | 135,425 | 103,574 | 101,566 |
| Europe 欧州 | 47,975 | 36,941 | 30,403 | 11,040 | 28,584 | 57,502 | 38,707 | 33,861 | 62,465 | 56,659 | 59,998 |
| Asia アジア | 384,466 | 436,443 | 203,271 | 189,347 | 354,959 | 289,273 | 222,895 | 312,061 | 320,187 | 381,907 | 537,032 |
| Total 合計 | 851,975 | 906,091 | 508,082 | 418,636 | 668,722 | 633,091 | 497,299 | 612,170 | 613,124 | 663,948 | 799,719 |

Number of Employees Worldwide
ワールドワイド人員推移

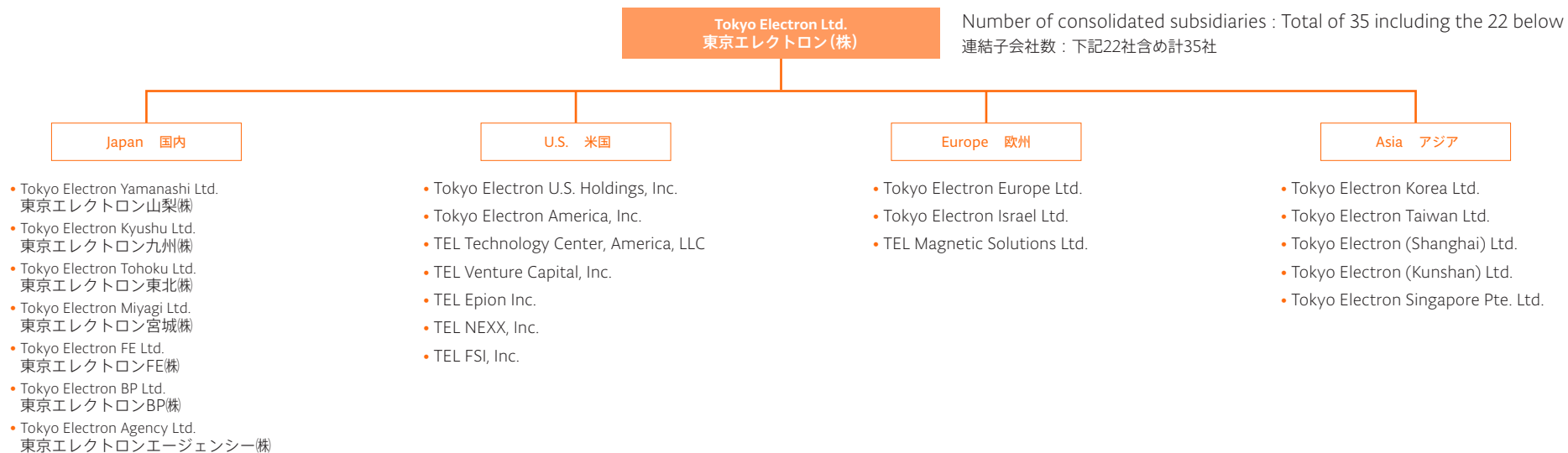


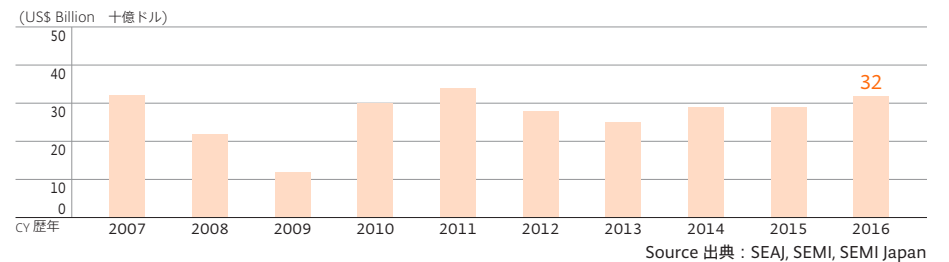
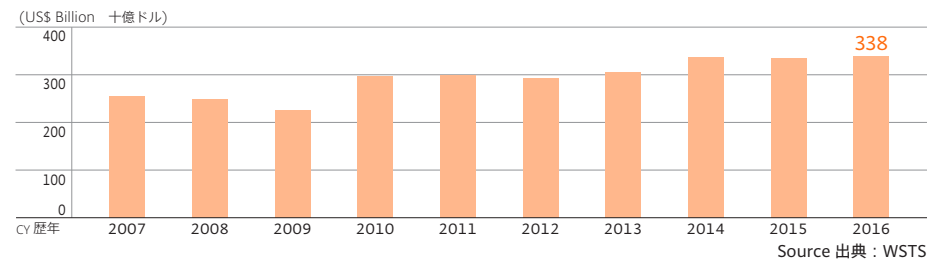
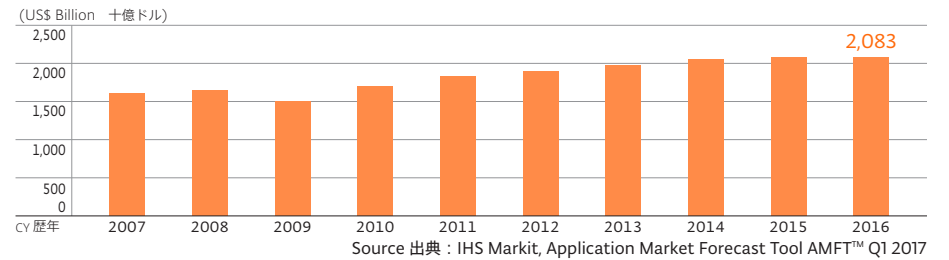
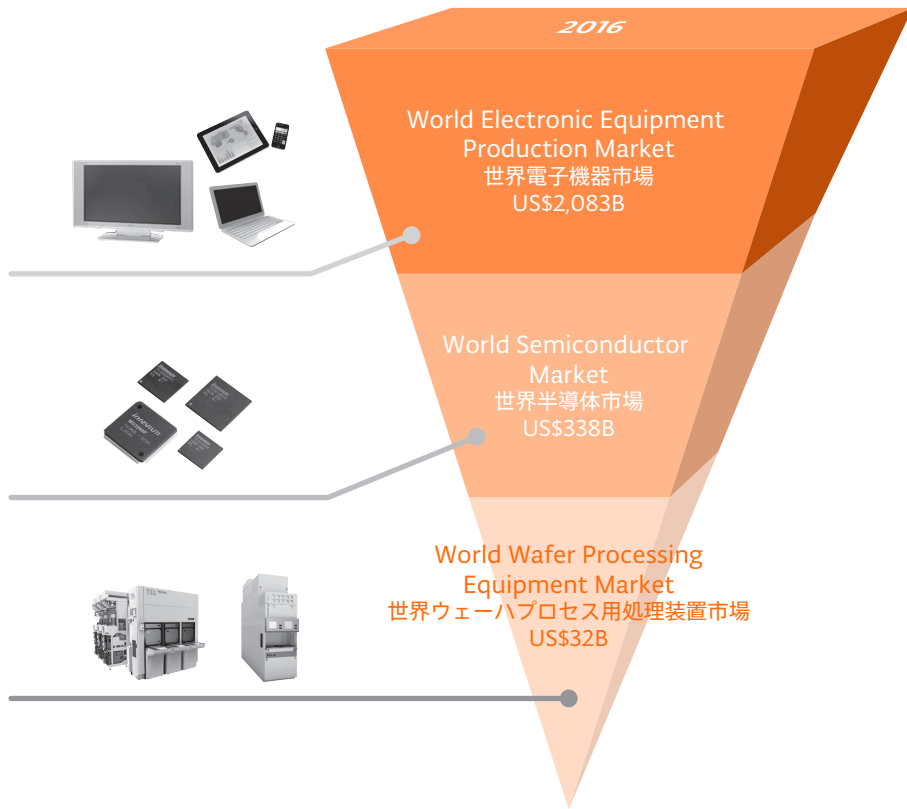
| FY 年度 | 2000 | 2005 | 2010 | 2015 | 2017 |
|-----------|-------|-------|--------|--------|---------------|
| Japan 日本 | 6,922 | 6,548 | 7,820 | 7,166 | 7,288 |
| U.S. 米国 | 1,315 | 1,205 | 1,017 | 1,622 | 1,655 |
| Europe 欧州 | 378 | 425 | 310 | 644 | 448 |
| Asia アジア | 331 | 686 | 921 | 1,412 | 1,850 |
| Total 合計 | 8,946 | 8,864 | 10,068 | 10,844 | 11,241 |

Tokyo Electron and its Consolidated Subsidiaries 東京エレクトロンと連結子会社

As of March 31, 2017 (2017年3月31日現在)

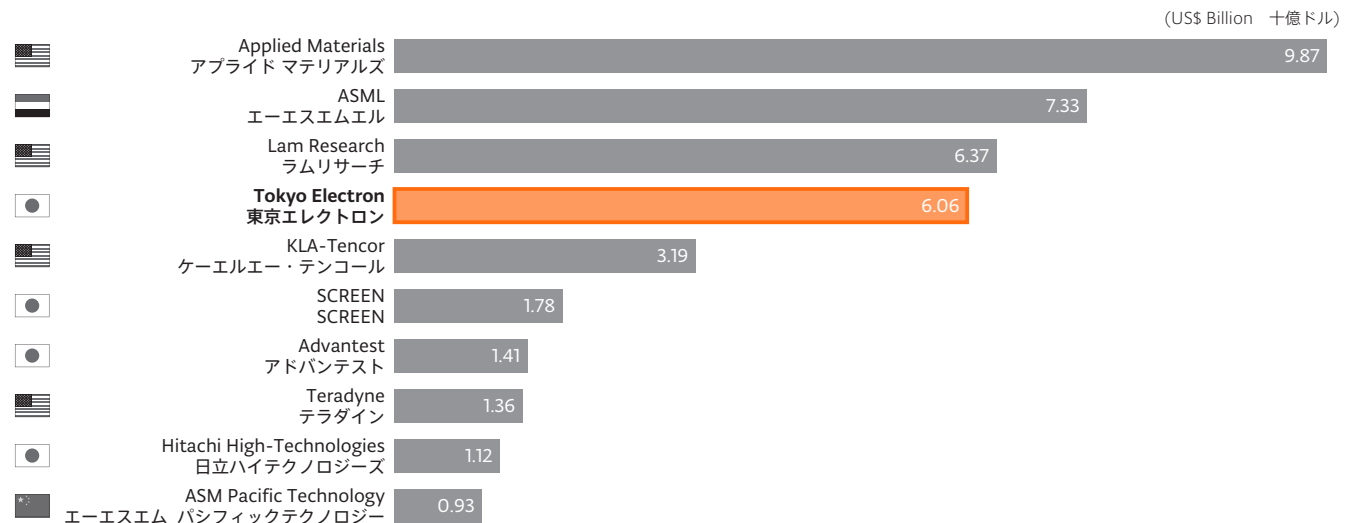
Number of consolidated subsidiaries : Total of 35 including the 22 below
連結子会社数 : 下記22社含め計35社





World Top 10 SPE Makers
半導体製造装置メーカー世界トップ10

CY2016 Revenue Ranking
2016年売上高ランキング

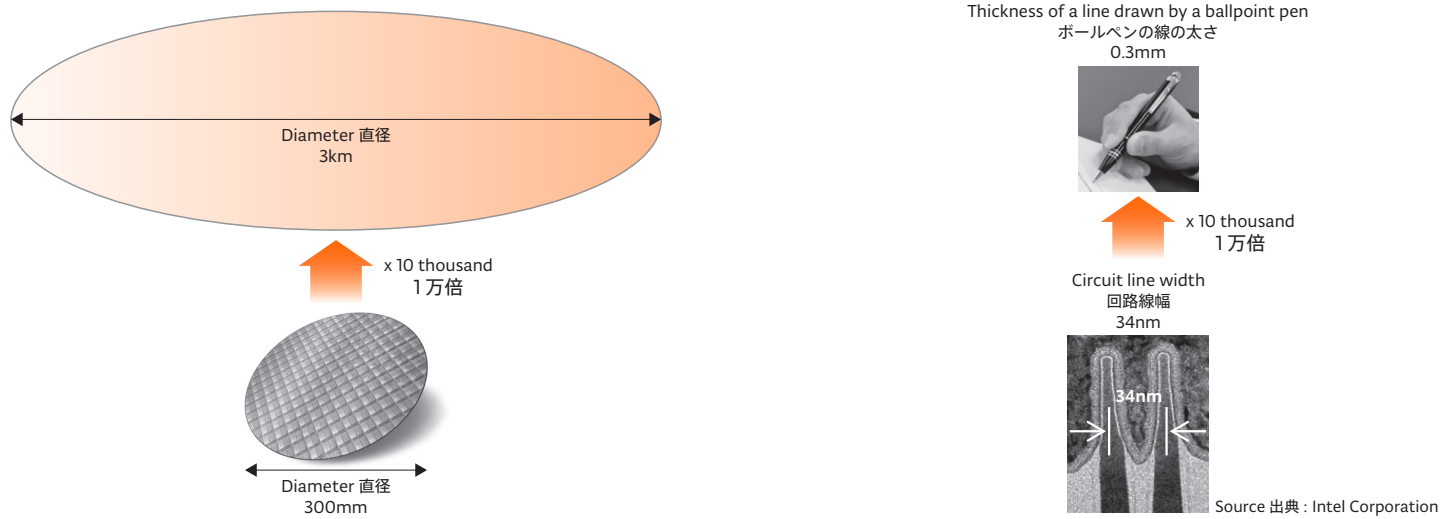


Source 出典 : The Chip Insider Equipment & Emerging Markets (VLSI Research, May 2017)

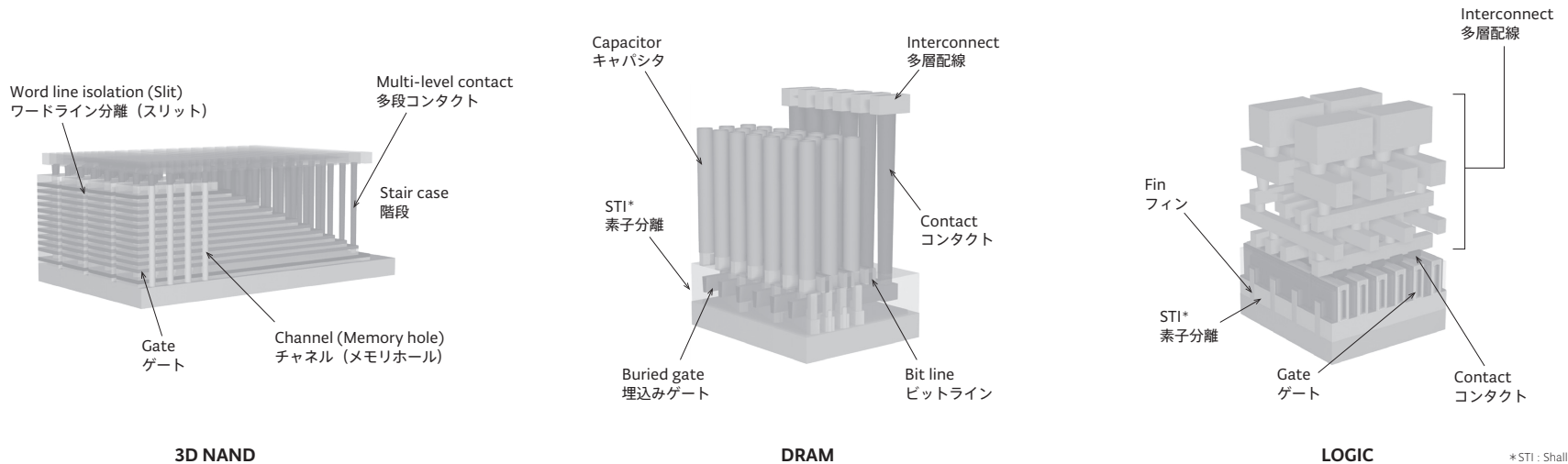
Miniaturization Allows Higher Performance Semiconductor Devices 半導体デバイスの高性能化を実現する微細加工

Semiconductor devices are fabricated at microscopic levels of tens to hundreds of nanometers (a nanometer is equal to one billionth of a meter). Taking the example of a leading-edge logic device, fabricating a circuit at a line-width of 34nm on a 300mm diameter wafer is like drawing in an area 3km in diameter with a ballpoint pen. Semiconductor production equipment that can fabricate at the nano-level is advancing the performance of semiconductor devices.

半導体デバイスは数十から数百ナノメートル（1ナノメートルは10億分の1メートル）単位で微細加工されています。最先端のロジックデバイスを例にとると、直径300ミリメートルのウェーハ上に、34ナノメートルの線幅で微細加工することは、直径3キロメートルの円の上に、ボールペンで線を描くことに相当します。半導体製造装置が微細な加工を可能にすることによって、半導体デバイスの性能が向上します。



Semiconductor Device Architecture 半導体デバイス構造図



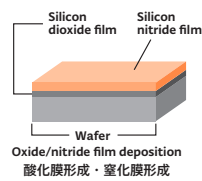
The fabrication processes (wafer processing and TFT array process) essential for manufacturing semiconductors and TFT-LCD/OLED panels are similar. 半導体やTFT-LCD・有機ELパネル製造の要となる前工程（ウェーハ処理プロセス、TFTアレイプロセス）は、ともによく似た工程です。

■ Semiconductor Manufacturing Process 半導体製造プロセス

Wafer processing ウェーハ処理プロセス（前工程）→

Pattern formation パターン形成

Isolation formation, Gate formation 素子分離形成、ゲート形成

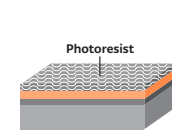


As a pre-processing procedure, the surface of a wafer is thoroughly cleaned. This is followed by thermal processing, in which a thin film of silicon dioxide or silicon nitride is formed on the wafer surface.

前処理として、ウェーハ洗浄を行い清浄な表面を準備します。熱処理成膜装置でウェーハに高温プロセス処理をし、シリコン酸化膜・シリコン窒化膜を形成します。

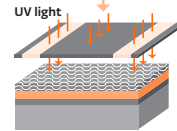
*** Pattern design**
Various circuit modules are combined to create circuit patterns that satisfy functional requirements.
*** パターン設計**
要求される機能に応じた、さまざまな回路を組み合わせ、パターン設計を行います。

**** Photomask fabrication**
Reticles (photomasks) are fabricated which enable device components to be laid out by exposure as designed.
**** フォトマスク作成**
設計したレイアウト通りにウェーハを焼き付けるための、パターンを描いたガラスプレート（フォトマスク）を作成します。



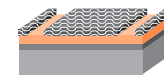
While the wafer is rotated at a high speed, a thin layer of photoresist is coated uniformly on its surface.
ウェーハを高速回転させながら、フォトレジストをウェーハ全面に薄く、均一に塗布します。

* Photoresist: a light-sensitive material that changes its properties when exposed to ultraviolet (UV) light.
* フォトレジスト: UV光により性質変化が起こる感光材料



To transfer the integrated circuit pattern* onto a wafer, an equipment called stepper irradiates UV light on the photoresist layer through a patterned photomask** aligned over the wafer.

ICパターン*を描いたフォトマスク**をウェーハに合わせ、露光装置でUV光を照射し、フォトレジストにパターンを転写します。



Developing exposed photoresist leaves a particular pattern on a wafer according to the reticle (photomask) being used.
露光されたフォトレジストを現像液で溶かします。これにより、使用したフォトマスクに応じたパターンがウェーハ上に残ります。



A plasma etch system removes the exposed dielectric silicon dioxide/nitride layer from the wafer surface according to the remaining photoresist.
プラズマエッチング装置で、フォトレジスト上に現像されたパターンに従って、成膜されたシリコン酸化膜・シリコン窒化膜を削り取りります。



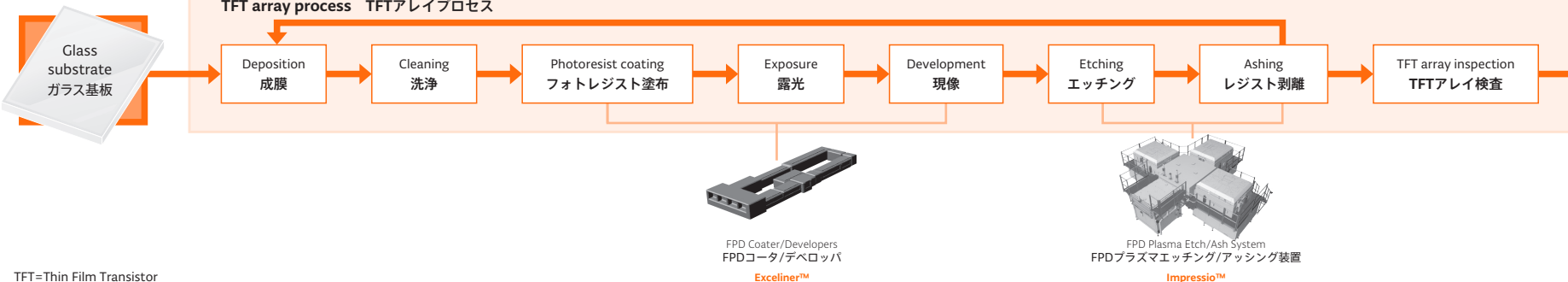
In a post-etch process, the residual photoresist is removed, and the wafer is soaked into chemical solvents to remove particles and impurities on the wafer.
エッチング後に不要になったフォトレジストを除去します。また、洗浄装置でウェーハを薬液に浸して、不純物を除去します。



A layer of dielectric material (silicon dioxide) is deposited into the patterned trenches to isolate individual transistors (elements). 形成したパターンに絶縁物であるシリコン酸化膜を埋め込み、個別トランジスタ（素子）の領域を分離します。

■ TFT-LCD/OLED Panel Manufacturing Process TFT-LCD・有機ELパネル製造プロセス

TFT array process TFTアレイプロセス



Inspection/Assembly process 検査・組み立てプロセス (後工程) →

Contact formation
コンタクト形成

Interconnect formation
多層配線形成

Wafer probe testing
ウェーハ検査

Bump formation
ウェーハバンプ形成

Wafer bonding/thinning/debonding
支持基板貼り合わせ・薄化・剥離

Inspection/dicing process
ダイシング・検査

Assembly process
組み立て工程



Atomic Layer Deposition System
ALD装置
NT333™



Single Wafer Deposition System
枚葉成膜装置
Triase™



Plasma Etch System
プラズマエッチング装置
Tactras™



Wafer Prober
ウェーハプローバ
Precio™/Precio™ XL



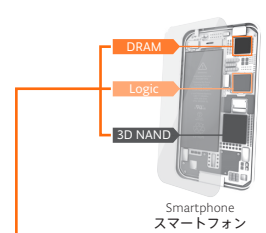
Electrochemical Deposition System
めっき装置
Stratus™



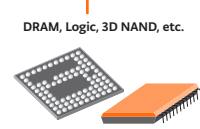
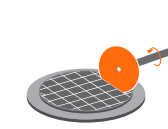
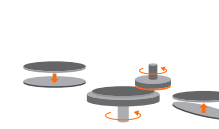
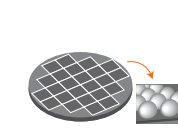
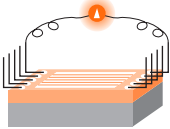
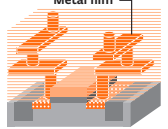
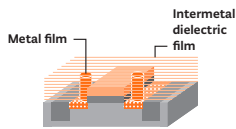
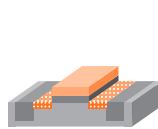
Wafer Bonder/Debonder
ウェーハボンディング/デボンディング装置
Synapse™ V Plus/Synapse™ Z



Wafer/Dicing Frame Prober
ダイシングフレームプローバ
WDF™12DP+



Smartphone
スマートフォン



DRAM, Logic, 3D NAND, etc.

Gates are formed after gate dielectric and electrode layers are stacked by oxidation, CVD*, and/or ALD**. After that, silicon nitride layers are deposited by CVD and/or ALD.

酸化、CVD*、あるいは、ALD**法などを用いて、ゲート絶縁膜およびゲート電極を堆積・成膜し、ゲートを形成します。ゲート形成後、シリコン窒化膜をCVD、ALD法で成膜します。

*CVD: Chemical Vapor Deposition
化学気相成長
**ALD: Atomic Layer Deposition
原子層堆積

To form wiring that connects individual transistors, first a dielectric (oxide) layer is deposited over the gate layer so another layer of circuit can be laid on top. Contact holes (vias) are then opened in the dielectric layer, and are filled with metal by CVD.

個別トランジスタを繋ぐ配線を形成するため、ゲート上に層間絶縁膜を堆積・成膜し上下パターンの分離を行います。接続孔(コンタクトホール)をつくり、CVD法で金属膜を埋め込みます。

Another dielectric layer is deposited on top, in which trenches are etched to form yet another wiring pattern. The trenches are filled with a metal film, and then the excess metals are polished and the surface is planarized. These processes are repeated to make a multi level interconnect.

上下パターンの分離のため絶縁膜を堆積し、配線溝パターンをつくり、その溝(トレンチ)に金属膜を埋め込み、余分な膜を研磨・除去します。これを配線層層分繰り返します。

Each integrated circuit is tested by a wafer prober to find any failed circuits.

完成された集積回路の一つひとつに検査針を当てて良・不良判定を行います。

In this process, the wafer is covered with a UBM* layer and then patterned, on which metal layers are deposited to form redistribution layers and bump electrodes.

UBM*を敷いたウェーハ上にパターンを形成し、電解めっき法で、再配線層や突起電極(バンプ)となる金属膜を堆積させます。

*UBM: Under Bump Metal

The back grinding equipment is used for grinding the wafer thickness. A support substrate or support wafer may be temporarily bonded to the wafer to facilitate grinding, and is then removed by a debonder.

裏面研磨装置でウェーハ裏面を削り薄化します。支持基板やサポートウェーハを貼り合わせる場合もあります。その後、支持基板をデボンディング装置により剥離します。

The wafer is diced into separate chips by a cutter, and only the good chips make it into the final assembly.

ダイシング刃でウェーハを切り出し、チップごとに分離します。分離されたチップ一つひとつに対し、良・不良判定を行います。

The chips are attached to package substrates or lead frames, and are sealed with ceramic or plastic.

良品チップをパッケージ基板、またはリードフレームに接続し、セラミック樹脂などに封入します。

TFT-LCD/OLED panel cross section TFT-LCD・有機ELパネル断面図

LCD panel LCDパネル

Color filter process
カラーフィルタプロセス

Cell process
セルプロセス

Module process
モジュールプロセス



OLED panel 有機ELパネル

OLED layer formation
有機EL層成膜

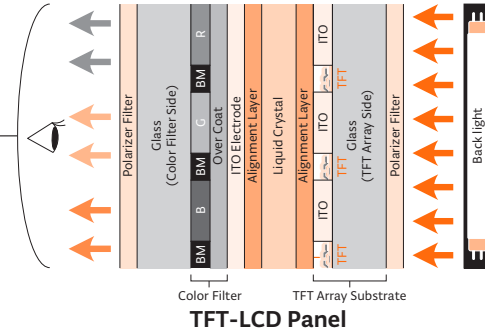
Encapsulation
封止

Module process
モジュールプロセス

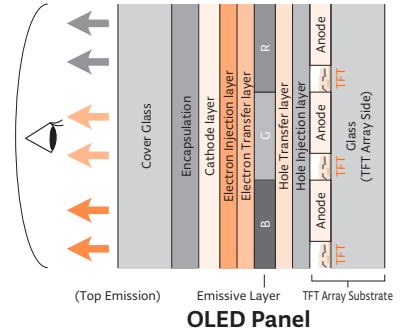
OLED layer formation
有機EL層成膜

Encapsulation
封止

Module process
モジュールプロセス



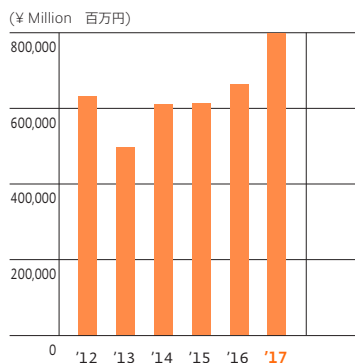
TFT-LCD Panel



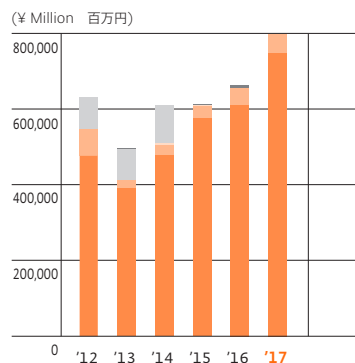
OLED Panel

TEL's fiscal year ends on March 31. Each fiscal year described in this document is identified by the year in which it ends. For example, FY2017 is the fiscal year ended March 31, 2017. 当社は3月31日を決算日としています。本誌記載の年度は各営業期間の終了した会計年度です。例えば、FY2017は2017年3月31日に終了した会計年度です。

Net Sales
売上高

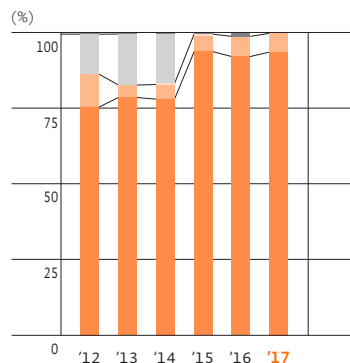


Net Sales by Division
部門別売上高

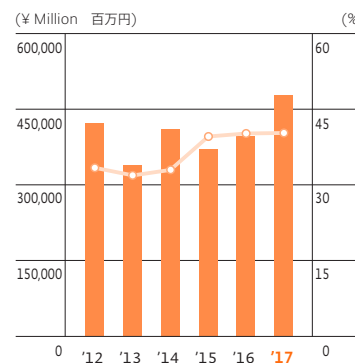


■ Semiconductor Production Equipment 半導体製造装置
■ FPD Production Equipment FPD製造装置
■ PV Production Equipment PV製造装置
■ Electronic Components/Computer Networks 電子部品・情報通信機器
■ Others その他

Composition of Net Sales by Division
部門別売上構成比

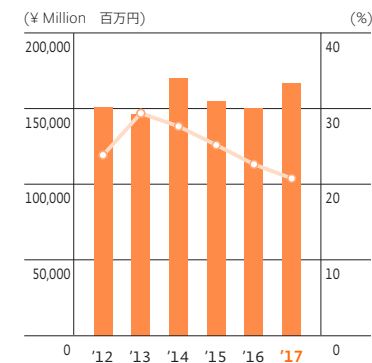


Cost of Sales and Gross Profit Margin
売上原価及び売上総利益率



■ Cost of sales 売上原価
○ Gross profit margin 売上総利益率

Selling, General and Administrative Expenses and Ratio to Net Sales
販売費及び一般管理費及び対売上高比率



■ SG&A expenses 販売費及び一般管理費
○ Ratio to net sales 対売上高比率

| FY 年度 | (\$ Million 百万円) | | Semiconductor Production Equipment | | FPD Production Equipment | | PV Production Equipment | | Electronic Components & Computer Networks | | (\$ Million 百万円) | |
|-------------|------------------|---------------------|---------------------------------------|---------------------|-----------------------------|----------------|----------------------------|--|--|--|------------------|--|
| | Net sales 売上高 | (% of total) 構成比 | 半導体製造装置 | FPD製造装置 | PV製造装置 | 電子部品・情報通信機器 | その他 | | | | | |
| 2012 | 633,091 | (100.0) | 477,873 (75.5) | 69,888 (11.0) | | 84,867 (13.4) | 461 (0.1) | | | | | |
| 2013 | 497,299 | (100.0) | 392,026 (78.8) | 20,160 (4.1) | | 84,664 (17.0) | 448 (0.1) | | | | | |
| 2014 | 612,170 | (100.0) | 478,841 (78.2) | 28,317 (4.6) | 3,805 (0.6) | 100,726 (16.5) | 479 (0.1) | | | | | |
| 2015 | 613,124 | (100.0) | 576,242 (94.0) | 32,709 (5.3) | 3,617 (0.6) | — | 555 (0.1) | | | | | |
| 2016 | 663,948 | (100.0) | 613,032 (92.3) | 44,687 (6.7) | — | — | 6,228 (1.0) | | | | | |
| 2017 | 799,719 | (100.0) | 749,893 (93.8) | 49,387 (6.2) | — | — | 438 (0.0) | | | | | |

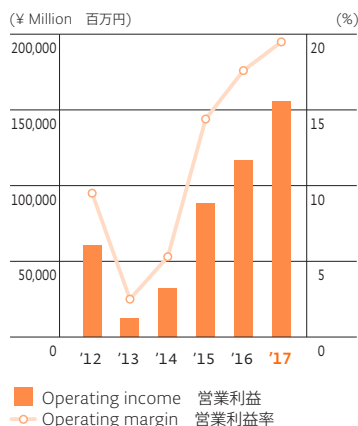
Sales by division represents the sales to customers.
部門別売上高は、外部顧客に対する売上高です。

| FY 年度 | (\$ Million 百万円) | | (\$ Million 百万円) | |
|-------------|-----------------------|-------------------------------|-----------------------------|------------------------------|
| | Cost of sales 売上原価 | Gross profit margin 売上総利益率 | SG&A expenses 販売費及び一般管理費 | Ratio to net sales 対売上高比率 |
| 2012 | 421,646 | 33.4 | 151,001 | 23.9 |
| 2013 | 338,545 | 31.9 | 146,206 | 29.4 |
| 2014 | 410,277 | 33.0 | 169,687 | 27.7 |
| 2015 | 370,351 | 39.6 | 154,660 | 25.2 |
| 2016 | 396,738 | 40.2 | 150,420 | 22.6 |
| 2017 | 477,427 | 40.3 | 166,594 | 20.8 |

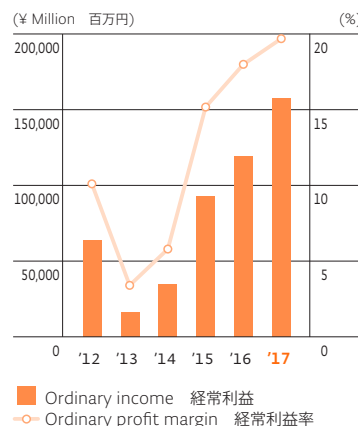
Notes: 1. From FY2012 to FY2013, PV production equipment sales are included in FPD production equipment sales. From FY2016, the sales are included in others sales.
2. From FY2015, Tokyo Electron Device, which operates the Electronic Components and Computer Networks business, changed from consolidated subsidiary to equity method affiliate.

注) 1. PV (太陽光パネル) 製造装置の売上は、2012年3月期から2013年3月期までの期間はFPD製造装置の売上に含め、2016年3月期からはその他の売上に含めて表示しています。
2. 2015年3月期より、電子部品・情報通信機器事業を行っている東京エレクトロン デバイスは、連結子会社から持分法適用関連会社となりました。

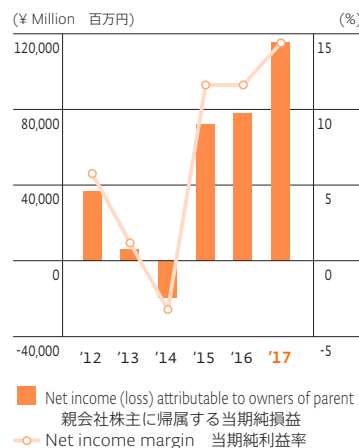
Operating Income and Operating Margin 営業利益及び営業利益率



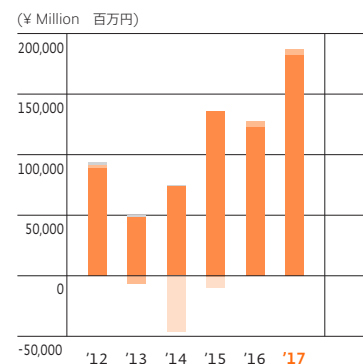
Ordinary Income and Ordinary Profit Margin 経常利益及び経常利益率



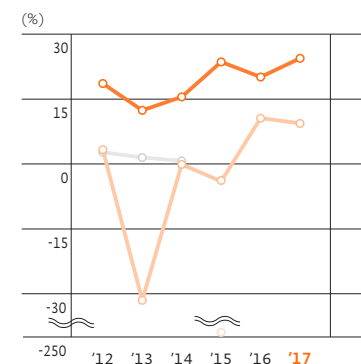
Net Income (Loss) Attributable to Owners of Parent and Net Income Margin 親会社株主に帰属する当期純損益及び当期純利益率



Segment Profit (Loss) セグメント損益



Segment Profit Margin セグメント利益率



| FY | Operating income (¥ Million) | Operating margin (%) |
|------|------------------------------|----------------------|
| 2012 | 60,443 | 9.5 |
| 2013 | 12,548 | 2.5 |
| 2014 | 32,204 | 5.3 |
| 2015 | 88,113 | 14.4 |
| 2016 | 116,788 | 17.6 |
| 2017 | 155,697 | 19.5 |

| FY | Ordinary income (¥ Million) | Ordinary profit margin (%) |
|------|-----------------------------|----------------------------|
| 2012 | 64,046 | 10.1 |
| 2013 | 16,696 | 3.4 |
| 2014 | 35,487 | 5.8 |
| 2015 | 92,949 | 15.2 |
| 2016 | 119,399 | 18.0 |
| 2017 | 157,549 | 19.7 |

| FY | Net income (loss) attributable to owners of parent (¥ Million) | Net income margin (%) |
|------|--|-----------------------|
| 2012 | 36,725 | 5.8 |
| 2013 | 6,076 | 1.2 |
| 2014 | (19,408) | (3.2) |
| 2015 | 71,888 | 11.7 |
| 2016 | 77,891 | 11.7 |
| 2017 | 115,208 | 14.4 |

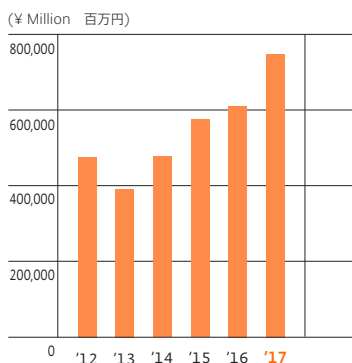
| FY | Semiconductor Production Equipment | | FPD Production Equipment | | PV Production Equipment | | Electronic Components/Computer Networks | |
|------|------------------------------------|---------------------------|--------------------------|---------------------------|-------------------------|---------------------------|---|---------------------------|
| | Segment profit (loss) | Segment profit margin (%) | Segment profit (loss) | Segment profit margin (%) | Segment profit (loss) | Segment profit margin (%) | Segment profit (loss) | Segment profit margin (%) |
| 2012 | 89,019 | 18.6 | 2,271 | 3.3 | (46,426) | — | 2,311 | 2.7 |
| 2013 | 48,600 | 12.4 | (6,355) | (31.5) | (31.5) | — | 1,283 | 1.5 |
| 2014 | 74,284 | 15.5 | (36) | (0.1) | (0.1) | — | 722 | 0.7 |
| 2015 | 135,991 | 23.6 | (1,312) | (4.0) | (4.0) | (243.0) | — | — |
| 2016 | 123,162 | 20.1 | 4,747 | 10.6 | 10.6 | — | — | — |
| 2017 | 182,709 | 24.4 | 4,618 | 9.4 | 9.4 | — | — | — |

Notes: 1. Segment profit (loss) is based on income (loss) before income taxes.
2. Segment profit (loss) of PV production equipment from FY2012 to FY2013 is included in segment profit (loss) of FPD production equipment. As PV Production Equipment business has been excluded from reportable segments from FY2016, it is not presented on the graph and chart of segment profit (loss).
3. From FY2015, Tokyo Electron Device, which operates the Electronic Components and Computer Networks business, changed from consolidated subsidiary to equity method affiliate.

注) 1. セグメント損益は、税金等調整前当期純利益又は損失に対応しています。
2. 2012年3月期から2013年3月期までのPV (太陽光パネル) 製造装置のセグメント損益は、FPD製造装置のセグメント損益に含めて表示しています。また、2016年3月期より、PV製造装置事業を報告セグメントより除外したため、セグメント損益のグラフ及び表には表示していません。
3. 2015年3月期より、電子部品・情報通信機器事業を行っている東京エレクトロン デバイスは、連結子会社から持分法適用関連会社となりました。

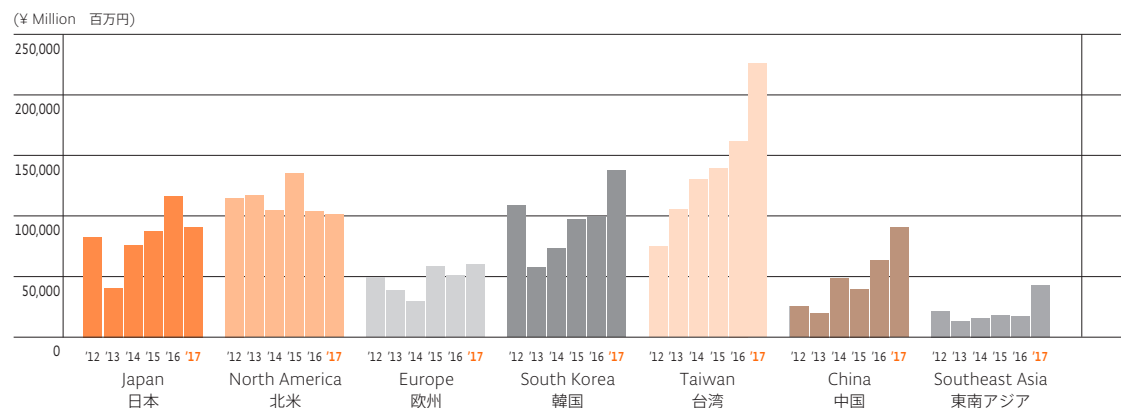
SPE Sales

半導体製造装置売上高



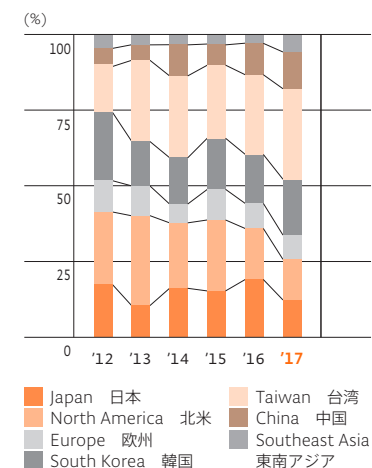
SPE Sales by Region

半導体製造装置地域別売上高



Composition of SPE Sales by Region

半導体製造装置地域別売上構成比



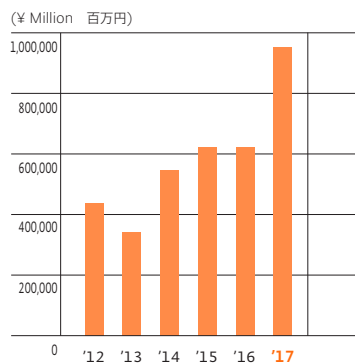
| FY | (¥ Million 百万円) SPE sales 半導体製造装置売上高 |
|------|--|
| 2012 | 477,873 |
| 2013 | 392,026 |
| 2014 | 478,841 |
| 2015 | 576,242 |
| 2016 | 613,032 |
| 2017 | 749,893 |

| FY | Japan (% of total) 日本 (構成比) | North America 北米 | Europe 欧州 | South Korea 韓国 | Taiwan 台湾 | China 中国 | Southeast Asia 東南アジア | (¥ Million 百万円) Total 合計 |
|------|--------------------------------|---------------------|---------------|-------------------|----------------|---------------|-------------------------|--------------------------------|
| 2012 | 82,887 (17.4) | 114,821 (24.0) | 49,325 (10.3) | 108,740 (22.8) | 75,018 (15.7) | 25,395 (5.3) | 21,683 (4.5) | 477,873 (100.0) |
| 2013 | 40,278 (10.3) | 117,092 (29.8) | 38,701 (9.9) | 57,510 (14.7) | 105,386 (26.9) | 19,951 (5.1) | 13,104 (3.3) | 392,026 (100.0) |
| 2014 | 76,424 (16.0) | 104,363 (21.8) | 29,636 (6.2) | 73,403 (15.3) | 130,252 (27.2) | 48,897 (10.2) | 15,865 (3.3) | 478,841 (100.0) |
| 2015 | 87,747 (15.2) | 135,341 (23.5) | 58,768 (10.2) | 97,364 (16.9) | 139,423 (24.2) | 39,713 (6.9) | 17,883 (3.1) | 576,242 (100.0) |
| 2016 | 116,272 (19.0) | 103,460 (16.9) | 51,088 (8.3) | 99,574 (16.2) | 161,930 (26.4) | 63,605 (10.4) | 17,099 (2.8) | 613,032 (100.0) |
| 2017 | 91,203 (12.2) | 101,559 (13.5) | 59,929 (8.0) | 137,788 (18.4) | 225,910 (30.1) | 90,669 (12.1) | 42,832 (5.7) | 749,893 (100.0) |

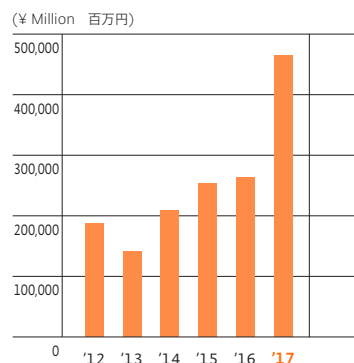
Notes: Geographical sales are classified according to sales destinations.

注) 地域別売上高は、販売先の所在地に基づいています。

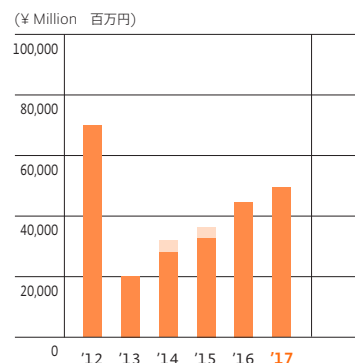
SPE Orders Received 半導体製造装置受注高



SPE Order Backlog 半導体製造装置受注残高

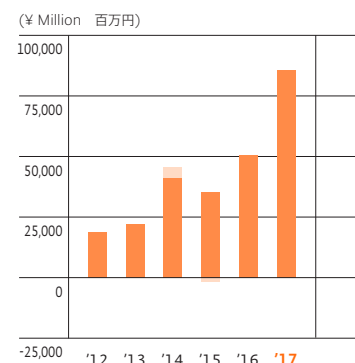


FPD/PV Production Equipment Sales FPD/PV製造装置売上高



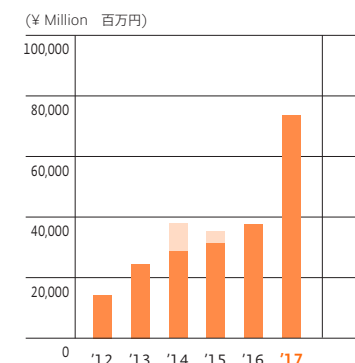
■ FPD Production Equipment FPD製造装置
■ PV Production Equipment PV製造装置

FPD/PV Production Equipment Orders Received FPD/PV製造装置受注高



■ FPD Production Equipment FPD製造装置
■ PV Production Equipment PV製造装置

FPD/PV Production Equipment Order Backlog FPD/PV製造装置受注残高



■ FPD Production Equipment FPD製造装置
■ PV Production Equipment PV製造装置

| FY | (¥ Million 百万円) SPE orders received 半導体製造装置受注高 |
|------|--|
| 2012 | 437,242 |
| 2013 | 342,466 |
| 2014 | 546,696 |
| 2015 | 620,765 |
| 2016 | 622,935 |
| 2017 | 950,784 |

| FY | (¥ Million 百万円) SPE order backlog 半導体製造装置受注残高 |
|------|---|
| 2012 | 187,950 |
| 2013 | 140,800 |
| 2014 | 208,863 |
| 2015 | 253,385 |
| 2016 | 263,288 |
| 2017 | 464,179 |

| FY | (¥ Million 百万円) FPD Production Equipment sales FPD製造装置売上高 | (¥ Million 百万円) PV Production Equipment sales PV製造装置売上高 |
|------|---|---|
| 2012 | 69,888 | |
| 2013 | 20,160 | |
| 2014 | 28,317 | 3,805 |
| 2015 | 32,709 | 3,617 |
| 2016 | 44,687 | |
| 2017 | 49,387 | |

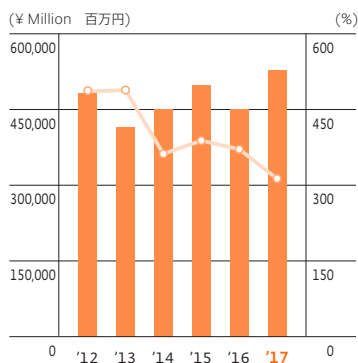
| FY | (¥ Million 百万円) FPD Production Equipment orders received FPD製造装置受注高 | (¥ Million 百万円) PV Production Equipment orders received PV製造装置受注高 |
|------|---|---|
| 2012 | 18,598 | |
| 2013 | 21,965 | |
| 2014 | 41,336 | 4,303 |
| 2015 | 35,301 | (1,684) |
| 2016 | 50,503 | |
| 2017 | 85,657 | |

| FY | (¥ Million 百万円) FPD Production Equipment order backlog FPD製造装置受注残高 | (¥ Million 百万円) PV Production Equipment order backlog PV製造装置受注残高 |
|------|--|--|
| 2012 | 14,200 | |
| 2013 | 24,427 | |
| 2014 | 29,019 | 8,994 |
| 2015 | 31,611 | 3,692 |
| 2016 | 37,428 | |
| 2017 | 73,698 | |

Notes: From FY2012 to FY2013, sales, orders and order backlog of PV production equipment are included in those of FPD production equipment. From FY2016, sales, orders and order backlog of PV Production Equipment have not been presented.

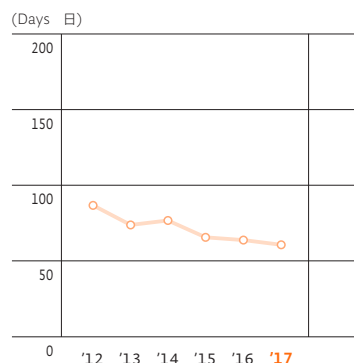
注) 2012年3月期から2013年3月期まで、PV (太陽光パネル) 製造装置の売上、受注、受注残はFPD製造装置の売上、受注、受注残に含めて表示しています。また、2016年3月期より、PV製造装置の売上、受注、受注残は表示していません。

Working Capital and Current Ratio 運転資本及び流動比率

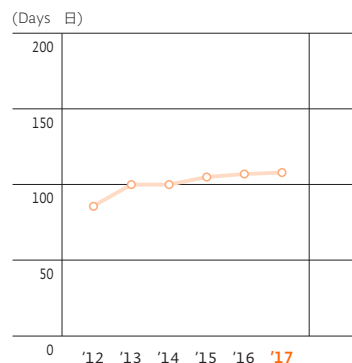


■ Working capital 運転資本
○ Current ratio 流動比率

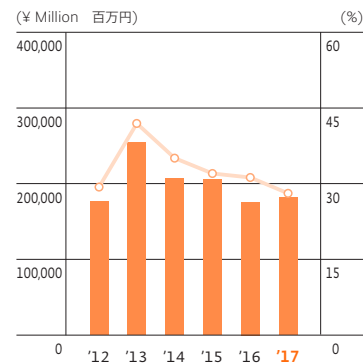
Receivable Turnover 売上債権回転日数



Inventory Turnover たな卸資産回転日数

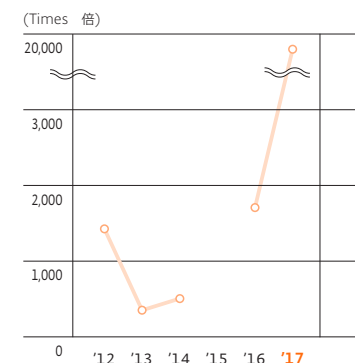


Fixed Assets and Fixed Ratio 固定資産及び固定比率



■ Fixed assets 固定資産
○ Fixed ratio 固定比率

Interest Coverage Ratio インタレスト・カバレッジ・レシオ



| FY | Working capital (¥ Million) | Current ratio (%) |
|------|-----------------------------|-------------------|
| 2012 | 482,256 | 486.4 |
| 2013 | 414,830 | 488.9 |
| 2014 | 450,982 | 364.5 |
| 2015 | 498,070 | 388.2 |
| 2016 | 451,355 | 371.8 |
| 2017 | 528,168 | 313.2 |

Working capital = Current assets – Current liabilities
運転資本 = 流動資産 – 流動負債
Current ratio = Current assets / Current liabilities × 100
流動比率 = 流動資産 ÷ 流動負債 × 100 (%)

| FY | Receivable turnover (Days) |
|------|----------------------------|
| 2012 | 87 |
| 2013 | 74 |
| 2014 | 77 |
| 2015 | 66 |
| 2016 | 64 |
| 2017 | 61 |

Receivable turnover = Trade notes and accounts receivable at fiscal year-end / Net sales × 365
売上債権回転日数 = 期末受取手形及び売掛金 ÷ 売上高 × 365

| FY | Inventory turnover (Days) |
|------|---------------------------|
| 2012 | 86 |
| 2013 | 100 |
| 2014 | 100 |
| 2015 | 105 |
| 2016 | 107 |
| 2017 | 108 |

Inventory turnover = Inventories at fiscal year-end / Net sales × 365
たな卸資産回転日数 = 期末たな卸資産 ÷ 売上高 × 365

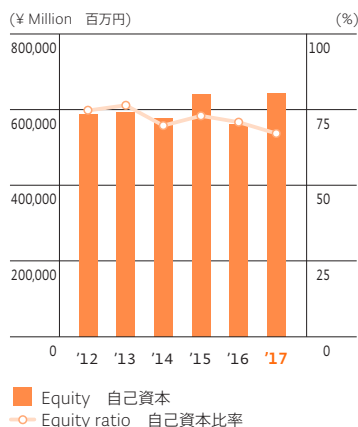
| FY | Fixed assets (¥ Million) | Fixed ratio (%) |
|------|--------------------------|-----------------|
| 2012 | 176,560 | 29.5 |
| 2013 | 254,026 | 42.0 |
| 2014 | 207,099 | 35.1 |
| 2015 | 205,271 | 32.0 |
| 2016 | 175,951 | 31.2 |
| 2017 | 181,508 | 28.1 |

Fixed ratio = Fixed assets / Total net assets × 100
固定比率 = 固定資産 ÷ 純資産合計 × 100 (%)

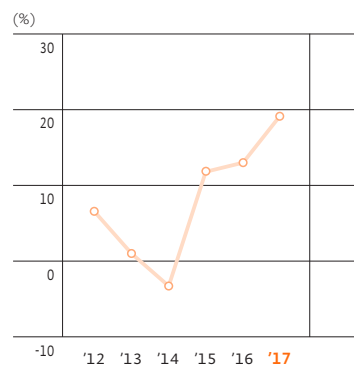
| FY | Interest coverage ratio (Times) |
|------|---------------------------------|
| 2012 | 1,428.8 |
| 2013 | 354.3 |
| 2014 | 508.6 |
| 2015 | — |
| 2016 | 1,709.8 |
| 2017 | 16,989.3 |

Interest coverage ratio = (Operating income or loss + Interest and dividend income) / Interest expenses
インタレスト・カバレッジ・レシオ = (営業損益 + 受取利息及び配当金) ÷ 支払利息 (倍)

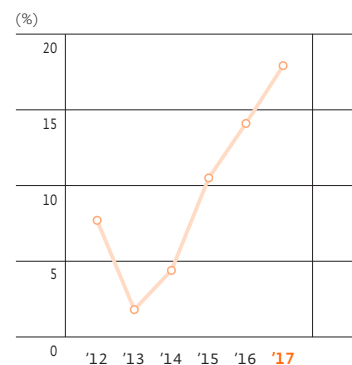
Equity and Equity Ratio 自己資本及び自己資本比率



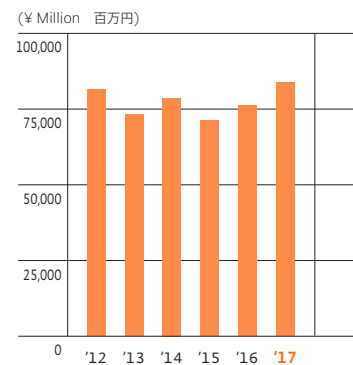
Return on Equity (ROE) 自己資本利益率



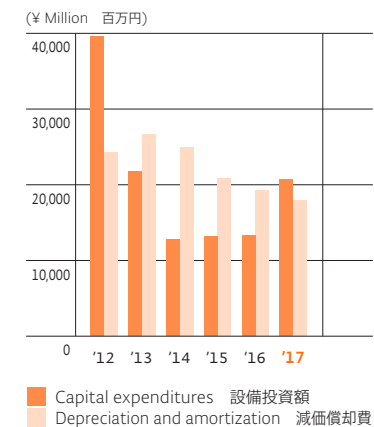
Return on Assets (ROA) 総資産利益率



R&D Expenses 研究開発費



Capital Expenditures and Depreciation and Amortization 設備投資額及び減価償却費



| FY | Equity (百万円) | Equity ratio (%) |
|-------------|----------------|------------------|
| 年度 | 自己資本 | 自己資本比率 |
| 2012 | 586,789 | 74.9 |
| 2013 | 593,032 | 76.5 |
| 2014 | 578,091 | 69.8 |
| 2015 | 639,483 | 73.0 |
| 2016 | 562,369 | 70.9 |
| 2017 | 643,094 | 67.2 |

Equity = Net assets – Subscription rights to shares – Non-controlling interests
自己資本＝純資産－新株予約権－非支配株主持分

| FY | ROE (%) |
|-------------|-------------|
| 年度 | 自己資本利益率 |
| 2012 | 6.3 |
| 2013 | 1.0 |
| 2014 | (3.3) |
| 2015 | 11.8 |
| 2016 | 13.0 |
| 2017 | 19.1 |

ROE = Net income (loss) attributable to owners of parent / Average total equity × 100
自己資本利益率＝親会社株主に帰属する当期純損益 ÷ 期首・期末平均自己資本×100 (%)

| FY | ROA (%) |
|-------------|-------------|
| 年度 | 総資産利益率 |
| 2012 | 7.7 |
| 2013 | 1.8 |
| 2014 | 4.4 |
| 2015 | 10.5 |
| 2016 | 14.1 |
| 2017 | 17.9 |

ROA = (Operating income or loss + Interest and dividend income) / Average total assets × 100
総資産利益率＝(営業損益+受取利息及び配当金) ÷ 期首・期末平均総資産 ×100 (%)

| FY | R&D expenses (百万円) |
|-------------|--------------------|
| 年度 | 研究開発費 |
| 2012 | 81,506 |
| 2013 | 73,248 |
| 2014 | 78,663 |
| 2015 | 71,349 |
| 2016 | 76,286 |
| 2017 | 83,800 |

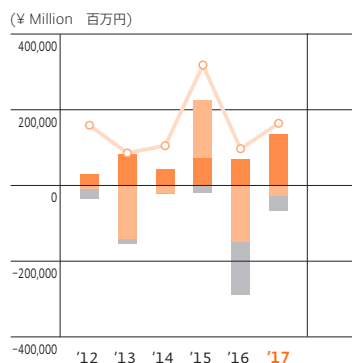
| FY | Capital expenditures (百万円) | Depreciation and amortization (百万円) |
|-------------|----------------------------|-------------------------------------|
| 年度 | 設備投資額 | 減価償却費 |
| 2012 | 39,541 | 24,197 |
| 2013 | 21,773 | 26,630 |
| 2014 | 12,799 | 24,888 |
| 2015 | 13,183 | 20,878 |
| 2016 | 13,341 | 19,257 |
| 2017 | 20,697 | 17,872 |

Notes: Amortization of goodwill is not included in depreciation and amortization.

注) 減価償却費には、のれん償却額は含まれておりません。

Cash Flows

キャッシュ・フロー



- Cash flow from operating activities
営業活動によるキャッシュ・フロー
- Cash flow from investing activities
投資活動によるキャッシュ・フロー
- Cash flow from financing activities
財務活動によるキャッシュ・フロー
- Cash and cash equivalents at end of year
現金及び現金同等物期末残高

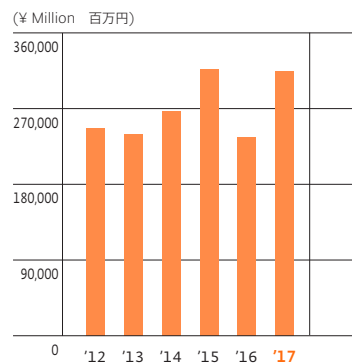
(¥ Million 百万円)

| FY | Cash flow from operating activities | Cash flow from investing activities | Cash flow from financing activities | Cash and cash equivalents at end of year |
|------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 年度 | 営業活動によるキャッシュ・フロー | 投資活動によるキャッシュ・フロー | 財務活動によるキャッシュ・フロー | 現金及び現金同等物期末残高 |
| 2012 | 29,712 | (8,352) | (27,334) | 158,776 |
| 2013 | 84,266 | (141,769) | (10,625) | 85,313 |
| 2014 | 44,449 | (19,599) | (186) | 104,797 |
| 2015 | 71,806 | 155,737 | (18,213) | 317,632 |
| 2016 | 69,398 | (150,013) | (138,600) | 95,638 |
| 2017 | 136,948 | (28,893) | (39,380) | 164,366 |

Cash flows from investing activities include increases / decreases in time deposits and short-term investments with maturities over three months
投資活動によるキャッシュ・フローには、満期日又は償還日までの期間が3ヶ月を超える定期預金及び短期投資の増減が含まれています。

Cash on Hand

手元資金



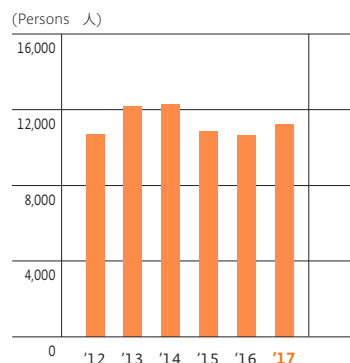
(¥ Million 百万円)

| FY | Cash on hand |
|------|--------------|
| 年度 | 手元資金 |
| 2012 | 247,624 |
| 2013 | 240,129 |
| 2014 | 268,146 |
| 2015 | 317,682 |
| 2016 | 236,673 |
| 2017 | 315,366 |

Cash on hand
= Cash and cash equivalents at the end of the year
+ Time deposits and short-term investments with maturities over three months
手元資金=現金及び現金同等物期末残高+満期日又は償還日までの期間が3ヶ月を超える定期預金及び短期投資の残高

Number of Employees Worldwide

従業員数

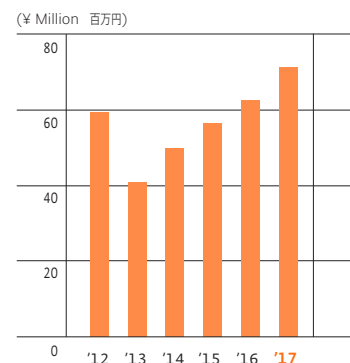


(Persons 人)

| FY | Number of employees worldwide |
|------|-------------------------------|
| 年度 | 従業員数 |
| 2012 | 10,684 |
| 2013 | 12,201 |
| 2014 | 12,304 |
| 2015 | 10,844 |
| 2016 | 10,629 |
| 2017 | 11,241 |

Net Sales per Employee

従業員1人当たり売上高



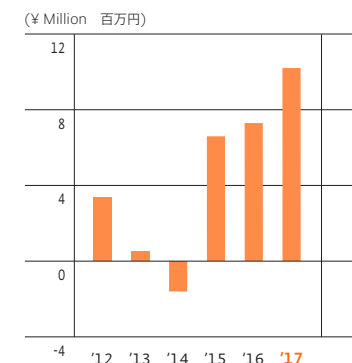
(¥ Million 百万円)

| FY | Net sales per employee |
|------|------------------------|
| 年度 | 従業員1人当たり売上高 |
| 2012 | 59.3 |
| 2013 | 40.8 |
| 2014 | 49.8 |
| 2015 | 56.5 |
| 2016 | 62.5 |
| 2017 | 71.1 |

Net sales per employee = Net sales / Number of employees worldwide
従業員1人当たり売上高=売上高÷従業員数

Net Income (Loss) per Employee

従業員1人当たり当期純損益

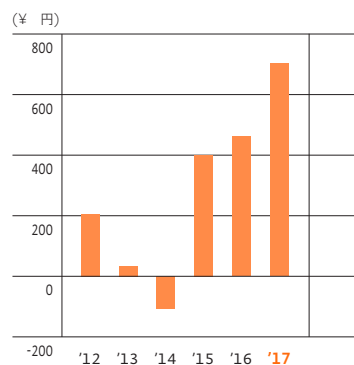


(¥ Million 百万円)

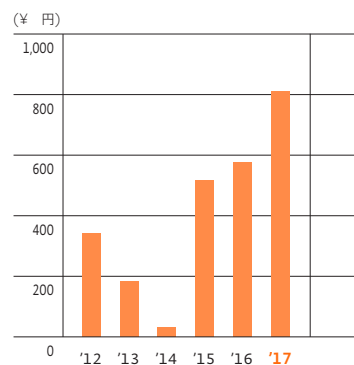
| FY | Net income (loss) per employee |
|------|--------------------------------|
| 年度 | 従業員1人当たり当期純損益 |
| 2012 | 3.4 |
| 2013 | 0.5 |
| 2014 | (1.6) |
| 2015 | 6.6 |
| 2016 | 7.3 |
| 2017 | 10.2 |

Net income (loss) per employee = Net income (loss) attributable to owners of parent / Number of employees worldwide
従業員1人当たり当期純損益=親会社株主に帰属する当期純損益÷従業員数

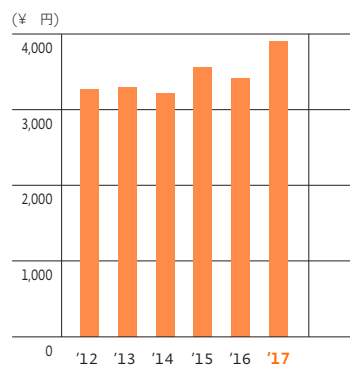
Net Income (Loss) per Share 1株当たり当期純損益



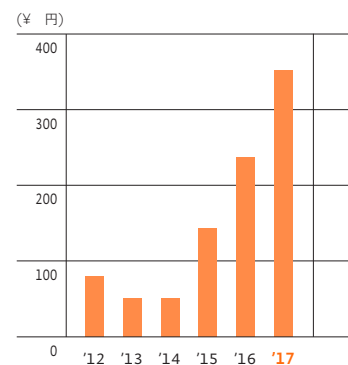
Cash Flow per Share 1株当たりキャッシュ・フロー



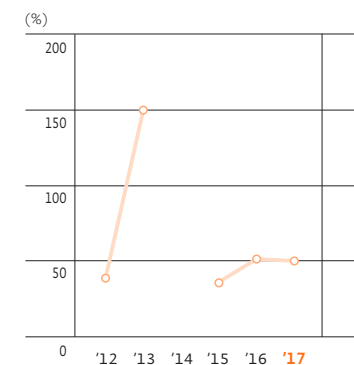
Net Assets per Share 1株当たり純資産



Cash Dividends per Share 1株当たり配当金



Payout Ratio 配当性向



| FY | Net income (loss) per share |
|-------------|-----------------------------|
| 2012 | 205.04 |
| 2013 | 33.91 |
| 2014 | (108.31) |
| 2015 | 401.08 |
| 2016 | 461.10 |
| 2017 | 702.26 |

Net income (loss) per share = Net income (loss) attributable to owners of parent / Average total number of shares outstanding in each fiscal year
1株当たり当期純損益=親会社株主に帰属する当期純損益 ÷ 期中平均発行済株式数

| FY | Cash flow per share |
|-------------|---------------------|
| 2012 | 340.14 |
| 2013 | 182.54 |
| 2014 | 30.58 |
| 2015 | 517.56 |
| 2016 | 575.10 |
| 2017 | 811.20 |

Cash flow per share = (Net income or loss attributable to owners of parent + Depreciation and amortization) / Average total number of shares outstanding in each fiscal year
1株当たりキャッシュ・フロー=(親会社株主に帰属する当期純損益 + 減価償却費) ÷ 期中平均発行済株式数

| FY | Net assets per share |
|-------------|----------------------|
| 2012 | 3,275.14 |
| 2013 | 3,309.58 |
| 2014 | 3,225.92 |
| 2015 | 3,567.23 |
| 2016 | 3,428.37 |
| 2017 | 3,919.50 |

Net assets per share = (Net assets - Subscription rights to shares - Non-controlling interests) / Total number of shares outstanding
1株当たり純資産=(純資産-新株予約権-非支配株主持分) ÷ 期末発行済株式数

| FY | Cash dividends per share |
|-------------|--------------------------|
| 2012 | 80.00 |
| 2013 | 51.00 |
| 2014 | 50.00 |
| 2015 | 143.00 |
| 2016 | 237.00 |
| 2017 | 352.00 |

| FY | Payout ratio |
|-------------|--------------|
| 2012 | 39.0 |
| 2013 | 150.4 |
| 2014 | — |
| 2015 | 35.7 |
| 2016 | 51.4 |
| 2017 | 50.1 |

Payout ratio = Cash dividends per share / Net income per share × 100
配当性向=1株当たり配当金 ÷ 1株当たり当期純利益 × 100(%)

Notes: 1. The number of shares outstanding excluding the treasury stock is used for calculation of per share data.
2. FY2013 51 yen dividends include 20 yen memorial dividend of 50th anniversary.

注) 1. 1株当たり指標の計算には自己株式数を控除後の発行済株式数を使用しています。
2. 2013年3月期の配当金51円には、創立50周年記念配当20円が含まれています。

(¥ Million 百万円)

Years ended March 31 3月31日終了の会計年度

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Assets 資産の部 | | | | | | | | | | | |
| Current assets 流動資産 | | | | | | | | | | | |
| Cash and deposits 現金及び預金 | 59,389 | 67,540 | 51,156 | 56,939 | 52,992 | 35,834 | 49,632 | 56,345 | 79,382 | 75,674 | 70,866 |
| Securities 有価証券 | 75,019 | 136,022 | 159,001 | 187,000 | 232,057 | 211,790 | 190,497 | 211,800 | 238,532 | 160,999 | 244,500 |
| Trade notes and accounts receivable 受取手形・売掛金 | 228,688 | 224,170 | 119,687 | 124,462 | 136,385 | 150,305 | 100,500 | 129,032 | 110,845 | 116,503 | 133,858 |
| Inventories たな卸資産 | 194,840 | 161,151 | 134,242 | 138,450 | 168,925 | 149,469 | 135,697 | 168,276 | 175,587 | 195,079 | 236,256 |
| Deferred income taxes 繰延税金資産 | 28,325 | 24,140 | 11,480 | 26,625 | 27,609 | 23,546 | 15,669 | 25,173 | 27,671 | 31,203 | 36,892 |
| Allowance for doubtful accounts 貸倒引当金 | (127) | (62) | (20) | (176) | (1,153) | (1,376) | (1,179) | (1,502) | (378) | (48) | (63) |
| Others その他 | 24,225 | 27,271 | 30,139 | 19,638 | 27,414 | 37,480 | 30,682 | 32,365 | 39,241 | 38,003 | 53,628 |
| Total current assets 流動資産合計 | 610,363 | 640,233 | 505,687 | 552,939 | 644,231 | 607,050 | 521,501 | 621,492 | 670,882 | 617,416 | 775,938 |
| Property, plant and equipment 有形固定資産 | | | | | | | | | | | |
| Total property, plant and equipment 有形固定資産 | 244,422 | 244,241 | 251,428 | 249,468 | 271,579 | 295,071 | 335,028 | 308,790 | 312,836 | 304,464 | 308,826 |
| Accumulated depreciation 減価償却累計額 | (139,492) | (140,135) | (151,521) | (157,340) | (159,027) | (168,186) | (199,330) | (196,446) | (205,939) | (208,147) | (208,385) |
| Net property, plant and equipment 有形固定資産合計 | 104,930 | 104,105 | 99,906 | 92,127 | 112,551 | 126,885 | 135,697 | 112,344 | 106,896 | 96,316 | 100,441 |
| Intangible assets 無形固定資産 | 19,399 | 13,253 | 10,760 | 5,586 | 4,212 | 4,703 | 59,918 | 29,556 | 27,566 | 17,603 | 15,401 |
| Investments and other assets 投資その他の資産 | | | | | | | | | | | |
| Investment securities 投資有価証券 | 14,642 | 8,837 | 9,131 | 14,720 | 15,725 | 16,081 | 18,669 | 20,026 | 23,934 | 19,914 | 24,119 |
| Deferred income taxes 繰延税金資産 | 13,691 | 14,846 | 31,939 | 20,505 | 20,727 | 17,585 | 23,205 | 23,223 | 18,347 | 20,781 | 19,128 |
| Allowance for doubtful accounts 貸倒引当金 | (297) | (301) | (7,545) | (7,452) | (2,031) | (3,848) | (2,112) | (1,866) | (1,884) | (1,825) | (1,816) |
| Others その他 | 7,784 | 11,843 | 19,118 | 17,924 | 13,786 | 15,152 | 18,647 | 23,815 | 30,409 | 23,161 | 24,234 |
| Total investments and other assets 投資その他の資産合計 | 35,821 | 35,224 | 52,644 | 45,698 | 48,209 | 44,971 | 58,410 | 65,199 | 70,807 | 62,031 | 65,666 |
| Total assets 資産合計 | 770,513 | 792,817 | 668,998 | 696,351 | 809,205 | 783,610 | 775,527 | 828,591 | 876,153 | 793,367 | 957,447 |

Notes: 1. From FY2008, certificates of deposit that were previously included in cash and cash equivalents are classified as securities.
2. From FY2009, the Company adopts "Accounting Standard for Lease Transactions" (March 30, 2007).

注) 1. 2008年3月期より、従来現金及び預金に含めていた譲渡性預金を有価証券に含めて表示しています。
2. 2009年3月期より、「リース取引に関する会計基準」(2007年3月30日)を適用しています。

(¥ Million 百万円)

Years ended March 31 3月31日終了の会計年度

Liabilities and Net Assets 負債及び純資産の部**Current liabilities** 流動負債

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Short-term borrowings and commercial paper 短期借入金及びコマーシャルペーパー | 1,712 | 6,069 | 3,806 | 5,105 | 7,996 | 4,402 | 3,756 | 11,531 | — | — | — |
| Current portion of long-term debt 一年以内返済予定長期借入金及び社債 | 8,500 | 30,000 | — | — | — | — | — | — | — | — | — |
| Trade notes and accounts payable 支払手形及び買掛金 | 83,837 | 55,332 | 24,393 | 52,359 | 53,612 | 46,986 | 36,261 | 53,667 | 56,478 | 55,050 | 79,217 |
| Customer advances 前受金 | 21,956 | 24,028 | 28,562 | 22,077 | 31,924 | 26,373 | 18,985 | 39,900 | 48,442 | 33,522 | 67,976 |
| Income taxes payable 未払法人税等 | 45,657 | 28,239 | 1,751 | 4,355 | 25,328 | 4,288 | 2,285 | 14,014 | 6,196 | 22,460 | 31,069 |
| Accrued employees' bonuses 賞与引当金 | 14,131 | 12,726 | 4,965 | 6,043 | 11,130 | 8,646 | 6,829 | 8,584 | 12,111 | 11,623 | 21,853 |
| Accrued warranty expenses 製品保証引当金 | 14,114 | 9,815 | 6,115 | 5,267 | 7,594 | 8,903 | 8,344 | 10,072 | 10,441 | 8,686 | 8,425 |
| Others その他 | 35,945 | 32,608 | 19,678 | 23,952 | 30,451 | 25,192 | 30,207 | 32,738 | 39,140 | 34,716 | 39,228 |
| Total current liabilities 流動負債合計 | 225,854 | 198,820 | 89,272 | 119,161 | 168,038 | 124,794 | 106,670 | 170,509 | 172,812 | 166,060 | 247,770 |

Long-term debt, less current portion 長期借入金及び社債

| | | | | | | | | | | | |
|--|--------|---|---|---|---|---|---|-------|---|---|---|
| | 30,000 | — | — | — | — | — | — | 2,000 | — | — | — |
|--|--------|---|---|---|---|---|---|-------|---|---|---|

Net liability for defined benefits 退職給付に係る負債

| | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 40,018 | 43,704 | 47,046 | 49,906 | 52,230 | 54,646 | 56,643 | 53,448 | 51,104 | 55,302 | 55,825 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

Other liabilities その他の固定負債

| | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| | 4,829 | 5,047 | 3,413 | 3,913 | 4,134 | 5,567 | 7,086 | 12,019 | 11,074 | 7,765 | 7,851 |
|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|

Total liabilities 負債合計

| | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 300,702 | 247,572 | 139,732 | 172,982 | 224,403 | 185,007 | 170,400 | 237,978 | 234,991 | 229,128 | 311,447 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Net assets 純資産

| | | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Common stock 資本金 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 | 54,961 |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

| | | | | | | | | | | | |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Capital surplus 資本剰余金 | 78,346 | 78,392 | 78,114 | 78,034 | 78,045 | 78,023 | 78,023 | 78,023 | 78,023 | 78,023 | 78,023 |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

| | | | | | | | | | | | |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Retained earnings 利益剰余金 | 328,026 | 410,866 | 404,435 | 393,970 | 457,658 | 471,186 | 467,920 | 436,174 | 488,816 | 427,618 | 503,325 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

| | | | | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| Treasury stock at cost 自己株式 | (12,167) | (11,369) | (11,111) | (10,900) | (10,484) | (9,747) | (9,588) | (9,478) | (9,064) | (8,050) | (7,766) |
|-----------------------------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|

| | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total shareholders' equity 株主資本合計 | 449,166 | 532,850 | 526,398 | 516,065 | 580,180 | 594,422 | 591,315 | 559,679 | 612,736 | 552,551 | 628,543 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

| | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Unrealized gains on securities その他有価証券評価差額金 | 5,853 | 2,172 | (842) | 2,504 | 2,807 | 3,575 | 4,214 | 5,592 | 9,463 | 7,902 | 10,788 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|

| | | | | | | | | | | | |
|--|-------|-----|----|------|------|------|------|----|-----|----|----|
| Deferred gains or losses on hedges 繰延ヘッジ損益 | (177) | 460 | 66 | (67) | (12) | (51) | (14) | 60 | 122 | 50 | 59 |
|--|-------|-----|----|------|------|------|------|----|-----|----|----|

| | | | | | | | | | | | |
|---|-------|-------|---------|---------|----------|----------|---------|-------|--------|-------|-------|
| Foreign currency translation adjustments 為替換算調整勘定 | 5,332 | (529) | (7,235) | (6,683) | (10,234) | (11,157) | (2,483) | 5,777 | 12,481 | 6,742 | 5,789 |
|---|-------|-------|---------|---------|----------|----------|---------|-------|--------|-------|-------|

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|-------|-------|---------|---------|
| Accumulated remeasurements of defined benefit plans 退職給付に係る調整累計額 | — | — | — | — | — | — | — | 6,981 | 4,681 | (4,877) | (2,086) |
|--|---|---|---|---|---|---|---|-------|-------|---------|---------|

| | | | | | | | | | | | |
|---|--------|-------|---------|---------|---------|---------|-------|--------|--------|-------|--------|
| Accumulated other comprehensive income その他の包括利益累計額合計 | 11,008 | 2,102 | (8,011) | (4,247) | (7,439) | (7,633) | 1,716 | 18,411 | 26,747 | 9,817 | 14,551 |
|---|--------|-------|---------|---------|---------|---------|-------|--------|--------|-------|--------|

| | | | | | | | | | | | |
|--|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Share subscription rights 新株予約権 | 584 | 483 | 1,148 | 1,578 | 1,499 | 1,156 | 1,374 | 1,643 | 1,420 | 1,641 | 2,620 |
|--|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|

| | | | | | | | | | | | |
|--|-------|-------|-------|-------|--------|--------|--------|--------|-----|-----|-----|
| Non-controlling interests 非支配株主持分 | 9,051 | 9,807 | 9,729 | 9,973 | 10,560 | 10,656 | 10,720 | 10,878 | 257 | 228 | 284 |
|--|-------|-------|-------|-------|--------|--------|--------|--------|-----|-----|-----|

| | | | | | | | | | | | |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total net assets 純資産合計 | 469,810 | 545,244 | 529,265 | 523,369 | 584,801 | 598,602 | 605,127 | 590,613 | 641,162 | 564,239 | 645,999 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Total liabilities and net assets 負債及び純資産合計

| | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 770,513 | 792,817 | 668,998 | 696,351 | 809,205 | 783,610 | 775,527 | 828,591 | 876,153 | 793,367 | 957,447 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Notes: 1. From FY2007, the Company adopts "Accounting Standard for Presentation of Net Assets in the Balance Sheets" (December 9, 2005), "Accounting Standard for Directors' Bonus (November 29, 2005)", "Accounting Standard for Stock Option" (December 27, 2005), and "Accounting Standard for Business Combinations" (October 31, 2003).
 2. From FY2009, the Company adopts "Accounting Standard for Lease Transactions" (March 30, 2007).
 3. From FY2011, the Company adopts "Accounting Standard for Presentation of Comprehensive Income" (June 30, 2010).
 4. From FY2014, the Company adopts "Accounting Standard for Retirement Benefits" (May 17, 2012). Accrued pension and severance costs for or before FY2013 are included in Net liability for defined benefits.
 5. From FY2016, the Company adopts "Accounting Standard for Business Combinations" (September 13, 2013), "Accounting Standard for Consolidated Financial Statements" (September 13, 2013), and "Accounting Standard for Business Divestitures" (September 13, 2013).

注) 1. 2007年3月期より、「貸借対照表の純資産の部の表示に関する会計基準」(2005年12月9日)、「役員賞与に関する会計基準」(2005年11月29日)、「ストック・オプション等に関する会計基準」(2005年12月27日)、「企業結合に関する会計基準」(2003年10月31日)を適用しています。
 2. 2009年3月期より、「リース取引に関する会計基準」(2007年3月30日)を適用しています。
 3. 2011年3月期より、「包括利益の表示に関する会計基準」(2010年6月30日)を適用しています。
 4. 2014年3月期より、「退職給付に関する会計基準」(2012年5月17日)を適用しています。なお、2013年3月期以前の退職給付引当金は、退職給付に係る負債に含めて表示しています。
 5. 2016年3月期より、「企業結合に関する会計基準」(2013年9月13日)、「連結財務諸表に関する会計基準」(2013年9月13日)、「事業分離等に関する会計基準」(2013年9月13日)等を適用しています。

(¥ Million 百万円)

| Years ended March 31 3月31日終了の会計年度 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|----------------|
| Net sales 売上高 | 851,975 | 906,091 | 508,082 | 418,636 | 668,722 | 633,091 | 497,299 | 612,170 | 613,124 | 663,948 | 799,719 |
| Cost of sales 売上原価 | 579,325 | 594,794 | 370,673 | 310,320 | 433,963 | 421,646 | 338,545 | 410,277 | 370,351 | 396,738 | 477,427 |
| Gross profit 売上総利益 | 272,649 | 311,297 | 137,408 | 108,316 | 234,758 | 211,444 | 158,754 | 201,892 | 242,773 | 267,209 | 322,291 |
| Selling, general and administrative expenses 販売費及び一般管理費 | 128,670 | 142,799 | 122,697 | 110,496 | 136,887 | 151,001 | 146,206 | 169,687 | 154,660 | 150,420 | 166,594 |
| Operating income (loss) 営業利益 (損失) | 143,978 | 168,498 | 14,710 | (2,180) | 97,870 | 60,443 | 12,548 | 32,204 | 88,113 | 116,788 | 155,697 |
| Non-operating income 営業外収益 | 4,908 | 5,131 | 6,809 | 5,331 | 4,827 | 4,097 | 6,125 | 5,473 | 4,985 | 3,798 | 2,931 |
| Non-operating expenses 営業外費用 | 4,946 | 916 | 964 | 591 | 778 | 494 | 1,977 | 2,191 | 149 | 1,187 | 1,079 |
| Ordinary income 経常利益 | 143,940 | 172,713 | 20,555 | 2,558 | 101,919 | 64,046 | 16,696 | 35,487 | 92,949 | 119,399 | 157,549 |
| Unusual or infrequent profit 特別利益 | 2,721 | 3,020 | 85 | 299 | 2,134 | 2,174 | 1,501 | 526 | 1,894 | 1,470 | 61 |
| Unusual or infrequent loss 特別損失 | 2,247 | 6,513 | 11,004 | 10,626 | 4,475 | 5,619 | 431 | 47,769 | 8,015 | 14,403 | 8,494 |
| Income (loss) before income taxes 税金等調整前当期純利益 (損失) | 144,414 | 169,219 | 9,636 | (7,767) | 99,579 | 60,602 | 17,766 | (11,756) | 86,827 | 106,466 | 149,116 |
| Income taxes 法人税等 | | | | | | | | | | | |
| Current 法人税・住民税及び事業税 | 60,132 | 56,568 | 4,552 | 5,747 | 29,482 | 15,022 | 8,449 | 15,994 | 14,726 | 32,559 | 40,633 |
| Deferred 法人税等調整額 | (7,534) | 5,373 | (2,762) | (5,020) | (2,711) | 8,400 | 2,958 | (8,537) | 172 | (4,029) | (6,765) |
| Net income (loss) 当期純利益 (損失) | | | | (8,493) | 72,807 | 37,179 | 6,358 | (19,213) | 71,928 | 77,936 | 115,248 |
| Net income attributable to non-controlling interests 非支配株主に帰属する当期純利益 | 553 | 1,005 | 303 | 539 | 883 | 453 | 282 | 195 | 40 | 44 | 39 |
| Net income (loss) attributable to owners of parent 親会社株主に帰属する当期純利益 (損失) | 91,262 | 106,271 | 7,543 | (9,033) | 71,924 | 36,725 | 6,076 | (19,408) | 71,888 | 77,891 | 115,208 |

Consolidated Statements of Comprehensive Income | 連結包括利益計算書

(¥ Million 百万円)

| Years ended March 31 3月31日終了の会計年度 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|------|------|------|---------|---------|--------|--------|----------|---------|----------|----------------|
| Net income (loss) 当期純利益 (損失) | | | | (8,493) | 72,807 | 37,179 | 6,358 | (19,213) | 71,928 | 77,936 | 115,248 |
| Other comprehensive income (loss) その他の包括利益 | | | | | | | | | | | |
| Net unrealized gains (losses) on investment securities 其他有価証券評価差額金 | | | | 3,349 | 303 | 768 | 651 | 1,365 | 3,868 | (1,555) | 2,875 |
| Net deferred gains (losses) on hedging instruments 繰延ヘッジ損益 | | | | (151) | 71 | (68) | 55 | 91 | 69 | (111) | 10 |
| Foreign currency translation adjustments 為替換算調整勘定 | | | | 545 | (3,584) | (925) | 8,760 | 6,867 | 6,642 | (5,705) | (933) |
| Remeasurements of defined benefit plans 退職給付に係る調整額 | | | | — | — | — | — | — | (2,269) | (9,233) | 2,682 |
| Share of other comprehensive income of associates accounted for using equity method 持分法適用会社に対する持分相当額 | | | | — | — | — | — | — | 56 | (345) | 114 |
| Total other comprehensive income (loss) その他の包括利益合計 | | | | 3,743 | (3,209) | (225) | 9,467 | 8,324 | 8,366 | (16,951) | 4,750 |
| Comprehensive income (loss) 包括利益 | | | | (4,750) | 69,598 | 36,953 | 15,826 | (10,888) | 80,295 | 60,984 | 119,998 |
| Total comprehensive income (loss) attributable to: 内訳 | | | | | | | | | | | |
| Owners of parent 親会社株主に係る包括利益 | | | | (5,269) | 68,732 | 36,531 | 15,425 | (11,150) | 80,224 | 60,961 | 119,942 |
| Non-controlling interests 非支配株主に係る包括利益 | | | | 518 | 866 | 422 | 400 | 261 | 70 | 22 | 56 |

Notes: 1. From FY2007, the Company adopts "Accounting Standard for Directors' Bonus" (November 29, 2005), "Accounting Standard for Stock Option" (December 27, 2005), and "Accounting Standard for Business Combinations" (October 31, 2003).
 2. From FY2011, the Company adopts "Accounting Standard for Presentation of Comprehensive Income" (June 30, 2010).
 3. From FY2014, the Company adopts "Accounting Standard for Retirement Benefits" (May 17, 2012).
 4. From FY2016, the Company adopts "Accounting Standard for Business Combinations" (September 13, 2013), "Accounting Standard for Consolidated Financial Statements" (September 13, 2013), and "Accounting Standard for Business Divestitures" (September 13, 2013).

注) 1. 2007年3月期より、「役員賞与に関する会計基準」(2005年11月29日)、「ストック・オプション等に関する会計基準」(2005年12月27日)、「企業結合に関する会計基準」(2003年10月31日)を適用しています。
 2. 2011年3月期より、「包括利益の表示に関する会計基準」(2010年6月30日)を適用しています。
 3. 2014年3月期より、「退職給付に関する会計基準」(2012年5月17日)を適用しています。
 4. 2016年3月期より、「企業結合に関する会計基準」(2013年9月13日)、「連結財務諸表に関する会計基準」(2013年9月13日)、「事業分離等に関する会計基準」(2013年9月13日)等を適用しています。

| | | (¥ Million 百万円) | | | | | | | | | | |
|--|------------------|-----------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|
| Years ended March 31 | 3月31日終了の会計年度 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Cash flows from operating activities 営業活動によるキャッシュ・フロー | | | | | | | | | | | | |
| Income (loss) before income taxes | 税金等調整前当期純利益 (損失) | 144,414 | 169,219 | 9,636 | (7,767) | 99,579 | 60,602 | 17,766 | (11,756) | 86,827 | 106,466 | 149,116 |
| Depreciation and amortization | 減価償却費 | 18,820 | 21,413 | 23,068 | 20,001 | 17,707 | 24,197 | 26,630 | 24,888 | 20,878 | 19,257 | 17,872 |
| (Increase) decrease in trade notes and accounts receivable | 売上債権の増減額 | (58,352) | 2,473 | 102,412 | (4,890) | (13,319) | (15,540) | 57,549 | (25,357) | (1,318) | (8,649) | (17,411) |
| (Increase) decrease in inventories | たな卸資産の増減額 | (31,584) | 28,342 | 21,282 | (4,868) | (36,532) | 16,022 | 20,278 | (32,088) | (26,849) | (23,535) | (44,102) |
| Increase (decrease) in trade notes and accounts payable | 仕入債務の増減額 | 17,236 | (27,373) | (29,942) | 27,975 | 1,667 | (5,807) | (15,481) | 15,605 | 9,432 | 31 | 24,053 |
| Income taxes (paid) refund | 法人税の支払額または還付額 | (37,785) | (73,721) | (40,836) | 5,679 | (7,583) | (47,628) | (7,671) | (1,741) | (24,239) | (15,356) | (32,622) |
| Others | その他 | 1,548 | (3,414) | (4,590) | 12,155 | 21,720 | (2,133) | (14,805) | 74,899 | 7,076 | (8,815) | 40,042 |
| Net cash provided by operating activities 営業活動によるキャッシュ・フロー | | 54,296 | 116,939 | 81,030 | 48,284 | 83,238 | 29,712 | 84,266 | 44,449 | 71,806 | 69,398 | 136,948 |
| Cash flows from investing activities 投資活動によるキャッシュ・フロー | | | | | | | | | | | | |
| Payment into time deposits | 定期預金の預入による支出 | (20,000) | (20,070) | (90,944) | (90,000) | (90,000) | (35,000) | (15,056) | (98) | — | (25,000) | (25,000) |
| Proceeds from time deposits | 定期預金の払戻による収入 | 20,000 | 20,000 | 60,070 | 90,847 | 90,000 | 55,000 | 15,000 | 9,871 | 5 | 12 | 50,034 |
| Payment for purchase of short-term investments | 短期投資の取得による支出 | (10,000) | (24,000) | (262,859) | (359,000) | (270,000) | (249,500) | (177,000) | (192,515) | (24,996) | (184,490) | (177,200) |
| Proceeds from redemption of short-term investments | 短期投資の償還による収入 | 10,000 | 14,000 | 159,359 | 382,500 | 270,000 | 260,500 | 111,000 | 174,200 | 188,296 | 68,492 | 142,198 |
| Payment for purchase of property, plant and equipment | 有形固定資産の取得による支出 | (25,153) | (19,338) | (17,227) | (14,194) | (33,541) | (36,010) | (19,012) | (9,451) | (11,898) | (11,294) | (17,557) |
| Payment for acquisition of intangible assets | 無形固定資産の取得による支出 | (2,462) | (4,041) | (1,182) | (786) | (925) | (2,140) | (1,234) | (1,640) | (422) | (707) | (1,116) |
| Payment for purchase of newly consolidated subsidiaries | 新規連結子会社の取得による支出 | (4,524) | — | — | — | — | (348) | (55,079) | — | — | — | — |
| Others | その他 | 6,847 | 3,263 | (7,836) | 247 | (1,414) | (853) | (387) | 35 | 4,753 | 2,974 | (252) |
| Net cash used in investing activities 投資活動によるキャッシュ・フロー | | (25,293) | (30,186) | (160,621) | 9,613 | (35,881) | (8,352) | (141,769) | (19,599) | 155,737 | (150,013) | (28,893) |
| Cash flows from financing activities 財務活動によるキャッシュ・フロー | | | | | | | | | | | | |
| Increase (decrease) in debt | 借入債務の増減額 | (24,904) | (4,148) | (32,262) | 1,299 | 2,890 | (3,593) | (646) | 9,551 | — | — | — |
| Dividends paid | 配当金の支払額 | (12,843) | (23,431) | (13,420) | (1,431) | (8,236) | (23,101) | (9,316) | (9,138) | (17,923) | (33,013) | (39,371) |
| Payment for purchases of treasury stock | 自己株式の取得による支出 | (64) | (40) | (38) | (58) | (37) | (12) | (15) | (29) | (183) | (105,532) | (6) |
| Others | その他 | 3,092 | 586 | (294) | (96) | 145 | (626) | (646) | (569) | (106) | (55) | (2) |
| Net cash used in financing activities 財務活動によるキャッシュ・フロー | | (34,719) | (27,033) | (46,015) | (287) | (5,236) | (27,334) | (10,625) | (186) | (18,213) | (138,600) | (39,380) |
| Effect of exchange rate changes on cash and cash equivalents 現金及び現金同等物に係る換算差額 | | 81 | (617) | (2,068) | 445 | (1,009) | (299) | (5,334) | (3,973) | 3,505 | (2,776) | 53 |
| Net increase (decrease) in cash and cash equivalents 現金及び現金同等物の増減額 | | (5,634) | 59,103 | (127,676) | 58,056 | 41,110 | (6,274) | (73,462) | 20,690 | 212,835 | (221,993) | 68,728 |
| Cash and cash equivalents at beginning of year 現金及び現金同等物期首残高 | | 140,023 | 134,389 | 193,492 | 65,883 | 123,939 | 165,050 | 158,776 | 85,313 | 104,797 | 317,632 | 95,638 |
| Effect of newly consolidated subsidiary 新規連結子会社の影響 | | — | — | 67 | — | — | — | — | — | — | — | — |
| Increase (decrease) in cash and cash equivalents from changes in fiscal year-end of consolidated subsidiaries 連結子会社の決算期変更に伴う現金及び現金同等物の増減額 | | — | — | — | — | — | — | — | (1,206) | — | — | — |
| Cash and cash equivalents at end of year 現金及び現金同等物期末残高 | | 134,389 | 193,492 | 65,883 | 123,939 | 165,050 | 158,776 | 85,313 | 104,797 | 317,632 | 95,638 | 164,366 |

Notes: From FY2016, the Company adopts "Accounting Standard for Business Combinations" (September 13, 2013), "Accounting Standard for Consolidated Financial Statements" (September 13, 2013), and "Accounting Standard for Business Divestitures" (September 13, 2013).

注) 2016年3月期より、「企業結合に関する会計基準」(2013年9月13日)、「連結財務諸表に関する会計基準」(2013年9月13日)、「事業分離等に関する会計基準」(2013年9月13日)等を適用しています。

(¥ Million 百万円)

| Years ended March 31 3月31日終了の会計年度 | 2011 | | | | 2012 | | | | 2013 | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q |
| Net sales 売上高 | 144,889 | 173,510 | 159,662 | 190,658 | 153,117 | 173,232 | 129,164 | 177,576 | 134,179 | 132,421 | 91,910 | 138,788 |
| Semiconductor Production Equipment 半導体製造装置 | 103,166 | 137,063 | 115,373 | 155,728 | 120,836 | 127,557 | 91,596 | 137,882 | 108,703 | 105,963 | 68,056 | 109,303 |
| FPD Production Equipment FPD製造装置 | 20,306 | 12,553 | 21,992 | 11,867 | 12,536 | 24,141 | 16,633 | 16,577 | 4,769 | 4,460 | 4,682 | 6,247 |
| PV Production Equipment PV製造装置 | | | | | | | | | | | | |
| Electronic Components / Computer Networks 電子部品・情報通信機器 | 21,321 | 23,754 | 22,222 | 22,917 | 19,648 | 21,388 | 20,865 | 22,964 | 20,605 | 21,859 | 19,105 | 23,093 |
| Others その他 | 95 | 138 | 73 | 145 | 96 | 145 | 68 | 151 | 101 | 137 | 66 | 142 |
| Cost of sales 売上原価 | 95,742 | 113,940 | 100,928 | 123,352 | 94,646 | 118,160 | 87,725 | 121,113 | 90,067 | 90,895 | 63,659 | 93,922 |
| Gross profit 売上総利益 | 49,146 | 59,570 | 58,734 | 67,306 | 58,470 | 55,072 | 41,438 | 56,463 | 44,111 | 41,525 | 28,251 | 44,865 |
| Gross profit margin 売上総利益率 | 33.9% | 34.3% | 36.8% | 35.3% | 38.2% | 31.8% | 32.1% | 31.8% | 32.9% | 31.4% | 30.7% | 32.3% |
| Selling, general and administrative expenses 販売費及び一般管理費 | 30,825 | 35,549 | 32,919 | 37,593 | 35,381 | 41,302 | 35,343 | 38,973 | 34,827 | 38,607 | 35,117 | 37,653 |
| Operating income (loss) 営業利益 (損失) | 18,321 | 24,020 | 25,815 | 29,713 | 23,088 | 13,770 | 6,094 | 17,489 | 9,283 | 2,918 | (6,865) | 7,211 |
| Operating margin 営業利益率 | 12.6% | 13.8% | 16.2% | 15.6% | 15.1% | 7.9% | 4.7% | 9.8% | 6.9% | 2.2% | (7.5%) | 5.2% |
| Ordinary income (loss) 経常利益 (損失) | 19,063 | 26,043 | 26,667 | 30,145 | 23,751 | 15,970 | 6,998 | 17,326 | 11,248 | 4,211 | (6,654) | 7,891 |
| Ordinary profit margin 経常利益率 | 13.2% | 15.0% | 16.7% | 15.8% | 15.5% | 9.2% | 5.4% | 9.8% | 8.4% | 3.2% | (7.2%) | 5.7% |
| Income (loss) before income taxes 税金等調整前当期純利益 (損失) | 19,250 | 25,798 | 26,623 | 27,906 | 23,423 | 15,802 | 6,753 | 14,622 | 11,231 | 4,307 | (6,189) | 8,417 |
| Ratio of income before income taxes to net sales 税金等調整前当期純利益率 | 13.3% | 14.9% | 16.7% | 14.6% | 15.3% | 9.1% | 5.2% | 8.2% | 8.4% | 3.3% | (6.7%) | 6.1% |
| Net income (loss) attributable to owners of parent 親会社株主に帰属する当期純利益 (損失) | 14,727 | 18,726 | 18,667 | 19,802 | 16,636 | 10,021 | 755 | 9,312 | 5,720 | 370 | (7,026) | 7,012 |
| Net income margin 当期純利益率 | 10.2% | 10.8% | 11.7% | 10.4% | 10.9% | 5.8% | 0.6% | 5.2% | 4.3% | 0.3% | (7.6%) | 5.1% |

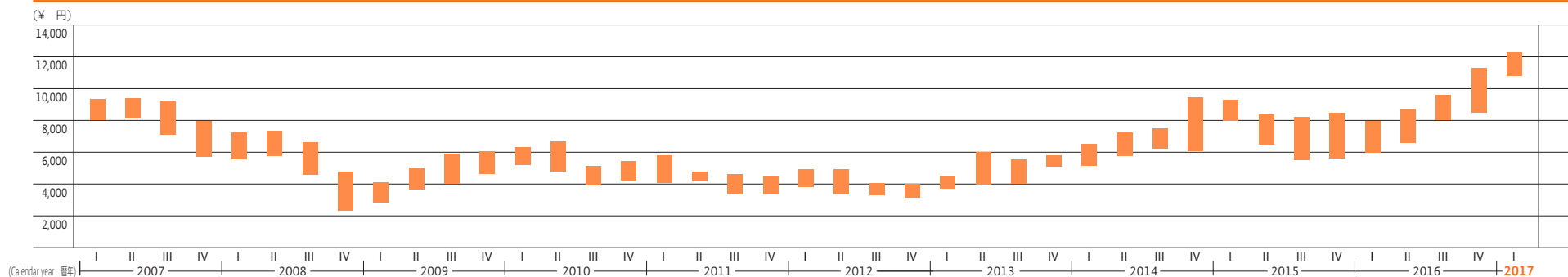
(¥ Million 百万円)

| 2014 | | | | 2015 | | | | 2016 | | | | 2017 | | | |
|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q |
| 103,452 | 151,048 | 138,400 | 219,269 | 151,325 | 142,948 | 137,021 | 181,829 | 155,762 | 185,189 | 158,771 | 164,225 | 147,976 | 204,745 | 186,364 | 260,632 |
| 74,944 | 119,828 | 102,284 | 181,784 | 136,126 | 136,500 | 131,993 | 171,622 | 140,365 | 176,622 | 146,523 | 149,520 | 130,796 | 196,211 | 179,373 | 243,511 |
| 4,906 | 4,486 | 8,813 | 10,110 | 13,929 | 5,099 | 3,751 | 9,928 | 10,070 | 8,205 | 11,724 | 14,686 | 17,064 | 8,414 | 6,887 | 17,020 |
| 2,062 | 1,225 | 1,196 | (679) | 1,102 | 1,223 | 1,146 | 145 | | | | | | | | |
| 21,426 | 25,359 | 26,029 | 27,910 | — | — | — | — | — | — | — | — | — | — | — | — |
| 111 | 146 | 76 | 144 | 167 | 125 | 130 | 132 | 5,326 | 361 | 522 | 18 | 115 | 119 | 103 | 100 |
| 73,535 | 100,917 | 88,067 | 147,757 | 95,942 | 90,882 | 79,379 | 104,146 | 90,057 | 114,883 | 96,699 | 95,098 | 90,650 | 123,381 | 113,435 | 149,959 |
| 29,916 | 50,130 | 50,333 | 71,512 | 55,383 | 52,065 | 57,642 | 77,682 | 65,704 | 70,305 | 62,071 | 69,127 | 57,325 | 81,364 | 72,929 | 110,672 |
| 28.9% | 33.2% | 36.4% | 32.6% | 36.6% | 36.4% | 42.1% | 42.7% | 42.2% | 38.0% | 39.1% | 42.1% | 38.7% | 39.7% | 39.1% | 42.5% |
| 39,563 | 42,305 | 41,266 | 46,552 | 38,313 | 39,019 | 35,560 | 41,766 | 35,425 | 39,334 | 36,558 | 39,102 | 35,229 | 43,447 | 38,781 | 49,135 |
| (9,646) | 7,824 | 9,067 | 24,959 | 17,069 | 13,045 | 22,081 | 35,916 | 30,279 | 30,970 | 25,513 | 30,025 | 22,095 | 37,916 | 34,147 | 61,536 |
| (9.3%) | 5.2% | 6.6% | 11.4% | 11.3% | 9.1% | 16.1% | 19.8% | 19.4% | 16.7% | 16.1% | 18.3% | 14.9% | 18.5% | 18.3% | 23.6% |
| (9,898) | 10,487 | 8,502 | 26,395 | 16,913 | 14,860 | 25,005 | 36,169 | 30,207 | 32,177 | 25,655 | 31,359 | 24,083 | 38,281 | 33,327 | 61,857 |
| (9.6%) | 6.9% | 6.1% | 12.0% | 11.2% | 10.4% | 18.2% | 19.9% | 19.4% | 17.4% | 16.2% | 19.1% | 16.3% | 18.7% | 17.9% | 23.7% |
| (9,845) | 9,524 | (37,220) | 25,785 | 15,022 | 14,078 | 24,751 | 32,975 | 29,099 | 28,419 | 25,138 | 23,809 | 16,191 | 38,229 | 33,212 | 61,483 |
| (9.5%) | 6.3% | (26.9%) | 11.8% | 9.9% | 9.8% | 18.1% | 18.1% | 18.7% | 15.3% | 15.8% | 14.5% | 10.9% | 18.7% | 17.8% | 23.6% |
| (2,976) | 5,452 | (38,098) | 16,212 | 11,835 | 8,181 | 17,451 | 34,420 | 19,481 | 21,895 | 17,858 | 18,656 | 12,684 | 29,281 | 25,951 | 47,290 |
| (2.9%) | 3.6% | (27.5%) | 7.4% | 7.8% | 5.7% | 12.7% | 18.9% | 12.5% | 11.8% | 11.2% | 11.4% | 8.6% | 14.3% | 13.9% | 18.1% |

Notes: 1. From FY2007, the Company adopts "Accounting Standard for Director's Bonus" (November 29, 2005), "Accounting Standard for Stock Option" (December 27, 2005), and "Accounting Standard for Business Combinations" (October 31, 2003).
2. From FY2011 to FY2013, PV production equipment sales are included in FPD production equipment sales. From FY2016, the sales are included in others sales.
3. From FY2015, Tokyo Electron Device, which operates the Electronic Components and Computer Networks business, changed from consolidated subsidiary to equity method affiliate.
4. From FY2016, the Company adopts "Accounting Standard for Business Combinations" (September 13, 2013), "Accounting Standard for Consolidated Financial Statements" (September 13, 2013), and "Accounting Standard for Business Divestitures" (September 13, 2013).

注) 1. 2007年3月期より、「役員賞与に関する会計基準」(2005年11月29日)、「ストック・オプション等に関する会計基準」(2005年12月27日)、「企業結合に関する会計基準」(2003年10月31日)を適用しています。
2. PV(太陽光パネル)製造装置の売上は、2011年3月期から2013年3月期までの期間はFPD製造装置の売上に含め、2016年3月期からはその他の売上に含めて表示しています。
3. 2015年3月期より、電子部品・情報通信機器事業を行っている東京エレクトロン デバイスは、連結子会社から持分法適用関連会社となりました。
4. 2016年3月期より、「企業結合に関する会計基準」(2013年9月13日)、「連結財務諸表に関する会計基準」(2013年9月13日)、「事業分離等に関する会計基準」(2013年9月13日)等を適用しています。

Stock Price Range 株価の推移



| Years ended March 31 | 各3月31日までの1年間 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| High (¥) | 高値 (円) | 9,650 | 9,410 | 7,360 | 6,290 | 6,670 | 4,950 | 4,905 | 6,489 | 9,451 | 8,450 | 12,285 |
| Low (¥) | 安値 (円) | 6,980 | 5,540 | 2,305 | 3,640 | 3,920 | 3,325 | 3,155 | 3,980 | 5,751 | 5,519 | 6,603 |

| | | | | | | | | | | | | | | |
|--------------|------|-------------------|----|------|------|-------|-------|------|------|-------|-------|------|------|------|
| PER (Times) | High | 株価収益率 (倍) | 最高 | 18.9 | 15.8 | 174.6 | — | 16.6 | 24.1 | 144.6 | — | 23.6 | 18.3 | 17.5 |
| | Low | | 最低 | 13.7 | 9.3 | 54.7 | — | 9.8 | 16.2 | 93.0 | — | 14.3 | 12.0 | 9.4 |
| PBR (Times) | High | 株価純資産倍率 (倍) | 最高 | 3.7 | 3.1 | 2.5 | 2.2 | 2.1 | 1.5 | 1.5 | 2.0 | 2.6 | 2.5 | 3.1 |
| | Low | | 最低 | 2.7 | 1.9 | 0.8 | 1.3 | 1.2 | 1.0 | 1.0 | 1.2 | 1.6 | 1.6 | 1.7 |
| PCFR (Times) | High | 株価キャッシュ・フロー倍率 (倍) | 最高 | 15.6 | 13.2 | 43.0 | 102.6 | 13.3 | 14.6 | 26.9 | 212.2 | 18.3 | 14.7 | 15.1 |
| | Low | | 最低 | 11.3 | 7.8 | 13.5 | 59.4 | 7.8 | 9.8 | 17.3 | 130.2 | 11.1 | 9.6 | 8.1 |

Price / earnings ratio = Common stock price / Net income per share 株価収益率 = 株価 ÷ 1株当たり当期純利益
 Price / book value ratio = Common stock price / Net assets per share 株価純資産倍率 = 株価 ÷ 1株当たり純資産
 Price / cash flow ratio = Common stock price / Cash flow per share 株価キャッシュ・フロー倍率 = 株価 ÷ 1株当たりキャッシュ・フロー

Number of Shares Issued (Fiscal Year-End) 発行済株式数の推移 (期末)

| FY 年度 | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-------------------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Number of shares issued (Thousands) | 発行済株式数 (千株) | 180,611 | 180,611 | 180,611 | 180,611 | 180,611 | 180,611 | 180,611 | 180,611 | 180,611 | 165,210 | 165,210 |
| Market capitalization (¥ Billion) | 時価総額 (十億円) | 1,488.2 | 1,094.5 | 657.4 | 1,119.8 | 828.1 | 855.2 | 752.2 | 1,142.4 | 1,513.9 | 1,212.0 | 2,008.1 |

Market capitalization = Closing stock price at fiscal year-end × Number of shares issued 時価総額 = 期末株式終値 × 発行済株式数

Notes: 1. Number of shares issued as of March 31, 2016 decreased 15,400 thousand shares (8.53% of issued shares before the cancellation) from March 31, 2015 due to cancellation of treasury stock.
 2. From FY2016, the number of shares issued of less than one thousand has been rounded down in the "Number of shares issued."
 3. The number of shares outstanding excluding the treasury stock is used for calculation of per share data.

注) 1. 2016年3月期の期末発行済株式数は、自己株式の消却により前期末から15,400千株 (発行済株式数の総数に対する割合8.53%) 減少しました。
 2. 2016年3月期より、発行済株式数は千株未満を切り捨てて表示しています。
 3. 1株当たり指標の計算には自己株式数を控除後の発行済株式数を使用しています。

Public Offering of Common Stock 公募増資の実績

Public Offering of Common Stock 有償・公募

| Date of issue 発行年月日 | Subscribed shares (Thousands) 発行株式数 (千株) | Issuing price (¥) 発行価格 (円) | |
|------------------------|--|----------------------------------|-------|
| June 2, 1980 | 1980年6月2日 | 4,131 | 1,540 |
| July 1, 1981 | 1981年7月1日 | 2,000 | 4,730 |
| October 16, 1982 | 1982年10月16日 | 4,000 | 3,050 |
| May 6, 1983 | 1983年5月6日 | 20 | 2,550 |
| June 23, 1984 | 1984年6月23日 | 3,000 | 4,015 |
| November 15, 1989 | 1989年11月15日 | 6,000 | 3,233 |

Stock Splits 株式分割

| Date of issue 発行年月日 | Ratio of distribution 分割比率 | |
|------------------------|-------------------------------|--------|
| October 1, 1980 | 1980年10月1日 | 1:1.25 |
| October 1, 1981 | 1981年10月1日 | 1:1.3 |
| November 20, 1982 | 1982年11月20日 | 1:1.3 |
| February 1, 1983 | 1983年2月1日 | 1:2.0 |
| November 20, 1984 | 1984年11月20日 | 1:1.2 |
| November 15, 1989 | 1989年11月15日 | 1:1.1 |
| November 15, 1990 | 1990年11月15日 | 1:1.2 |
| May 20, 1997 | 1997年5月20日 | 1:1.1 |

Major Shareholders (Top 10) 大株主一覧 (上位10位)

As of March 31, 2017 2017年3月31日現在

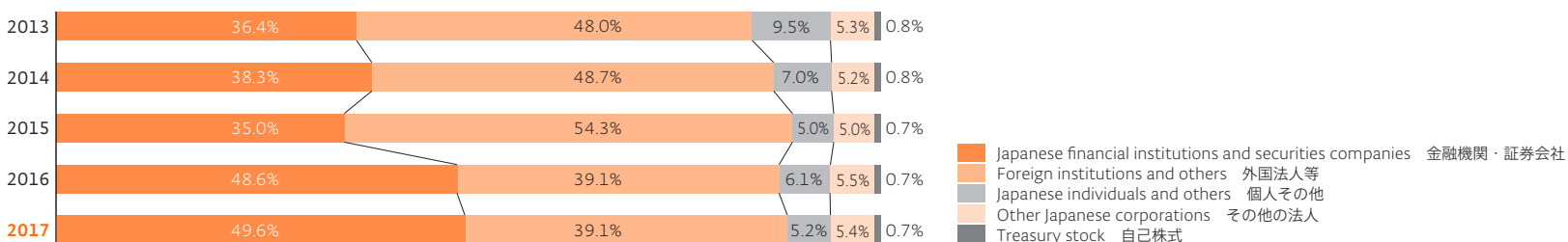
| Name 株主名 | Number of shares held (thousands) 持株数 (千株) | Voting share ratio (%) 持株比率 (%) | Name 株主名 | Number of shares held (thousands) 持株数 (千株) | Voting share ratio (%) 持株比率 (%) |
|--|---|------------------------------------|--|---|------------------------------------|
| The Master Trust Bank of Japan Limited (trust account) 日本マスタートラスト信託銀行株式会社 (信託口) | 26,720 | 16.28 | State Street Bank and Trust Company ステートストリートバンクアンドトラストカンパニー | 3,243 | 1.97 |
| Japan Trustee Services Bank Limited (trust account) 日本トラスティ・サービス信託銀行株式会社 (信託口) | 18,508 | 11.28 | State Street Bank West Client Treaty 505234 ステートストリートバンクウェストクライアントトリーティー 505234 | 2,533 | 1.54 |
| Tokyo Broadcasting System Holdings, Inc. 株式会社東京放送ホールディングス | 7,727 | 4.70 | Japan Trustee Services Bank Limited (trust account 5) 日本トラスティ・サービス信託銀行株式会社 (信託口5) | 2,450 | 1.49 |
| Trust & Custody Services Bank, Limited (securities investment trust account) 資産管理サービス信託銀行株式会社 (証券投資信託口) | 3,808 | 2.32 | BNP Paribas Securities (Japan) Limited BNPパリバ証券株式会社 | 2,314 | 1.41 |
| Japan Trustee Services Bank Limited (trust account 4) 日本トラスティ・サービス信託銀行株式会社 (信託口4) | 3,667 | 2.23 | Japan Trustee Services Bank Limited (trust account 7) 日本トラスティ・サービス信託銀行株式会社 (信託口7) | 2,083 | 1.27 |

Notes: 1. Shares of less than one thousand have been rounded down in the "Number of shares held."
2. Voting share ratio is calculated excluding treasury stock (1,135,104 shares). Figures are truncated after the second decimal place.

注) 1. 持株数は、千株未満を切り捨てて表示しています。
2. 持株比率は、自己株式 (1,135,104株) を控除して算出しています。また、小数点第3位以下を切り捨てて表示しています。

Composition of Shareholders by Category 所有者別分布状況

| Category 区分 | 2013 | | | 2014 | | | 2015 | | | 2016 | | | 2017 | | |
|--|--------------------------------|---------------------------------|--------------------|--------------------------------|---------------------------------|--------------------|--------------------------------|---------------------------------|--------------------|--------------------------------|---------------------------------|--------------------|--------------------------------|---------------------------------|--------------------|
| | Number of shareholders/ 株主数 | Shares (Thousands)/ 株式数 (千株) | Composition 構成比 | Number of shareholders/ 株主数 | Shares (Thousands)/ 株式数 (千株) | Composition 構成比 | Number of shareholders/ 株主数 | Shares (Thousands)/ 株式数 (千株) | Composition 構成比 | Number of shareholders/ 株主数 | Shares (Thousands)/ 株式数 (千株) | Composition 構成比 | Number of shareholders/ 株主数 | Shares (Thousands)/ 株式数 (千株) | Composition 構成比 |
| Japanese financial institutions and securities companies 金融機関・証券会社 | 143 | 65,738 | 36.4% | 109 | 69,145 | 38.3% | 79 | 63,124 | 35.0% | 136 | 80,311 | 48.6% | 166 | 81,954 | 49.6% |
| Foreign institutions and others 外国法人等 | 564 | 86,645 | 48.0% | 556 | 88,001 | 48.7% | 585 | 98,151 | 54.3% | 629 | 64,541 | 39.1% | 820 | 64,606 | 39.1% |
| Japanese individuals and others 個人その他 | 40,205 | 17,260 | 9.5% | 29,590 | 12,694 | 7.0% | 19,948 | 9,046 | 5.0% | 23,661 | 10,154 | 6.1% | 20,706 | 8,568 | 5.2% |
| Other Japanese corporations その他の法人 | 374 | 9,542 | 5.3% | 307 | 9,360 | 5.2% | 216 | 8,946 | 5.0% | 237 | 9,026 | 5.5% | 244 | 8,946 | 5.4% |
| Treasury stock 自己株式 | 1 | 1,424 | 0.8% | 1 | 1,408 | 0.8% | 1 | 1,345 | 0.7% | 1 | 1,176 | 0.7% | 1 | 1,135 | 0.7% |
| Total 合計 | 41,287 | 180,611 | 100.0% | 30,563 | 180,611 | 100.0% | 20,829 | 180,611 | 100.0% | 24,664 | 165,210 | 100.0% | 21,937 | 165,210 | 100.0% |



Notes: 1. Number of shareholders and shares includes number of odd lot shareholders and odd lot shares.
2. From FY2016, the number of shares of less than one thousand has been rounded down in the "Shares."

注) 1. 株主数及び株式数は、単元未満株主数及び単元未満株式数を含んでいます。
2. 2016年3月期より、株式数は千株未満を切り捨てて表示しています。



TOKYO ELECTRON LIMITED

World Headquarters
Akasaka Biz Tower
3-1 Akasaka 5-chome, Minato-ku
Tokyo 107-6325, Japan
Tel. +81-3-5561-7000
www.tel.com

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