



TDK. The electronic components company.

# Performance Briefings Fiscal Year March, 2012

# TDK Corporation April. 27, 2012



# **◆**Consolidated Full Year Results of FY March, 2012 Consolidated Full Year Projections of FY March, 2013

Takehiro Kamigama, President and CEO

**◆**Consolidated Results of FY March, 2012 Consolidated 4Q Results of FY March, 2012

Takakazu Momozuka

Corporate Officer,

General Manager of Finance & Accounting Department

**♦**Recording Device Business

Atsuo Kobayashi,

Senior Vice President,

General Manager of Data Storage & Thin Film Technology Components

**Business Group** 



TDK has changed the reporting segment in FY March 2012. Please see Page 15 for detail

In accordance with the provisions of ASC No.205-20, "Presentation of Financial Statements-Discontinued Operations", operating results relating to the display business are deducted. Also reclassifications are made to the consolidated statements of operations for the year ended March 31, 2011 to conform to the presentation used for the year ended March 31, 2012.



# Consolidated Full Year Results of FY March, 2012 Consolidated Full Year Results of FY March, 2013

Takehiro Kamigama

**President and CEO** 

#### Consolidated Full Year Results of FY March, 2012



		FY March 2011	FY March 2012	Change		
(JPY billion)		Full Year Results	Full Year Results	JPY billion	%	
Net Sales		871.9	814.5	(57.4)	-6.6	
Operating	Income	64.3	18.7	(45.6)	-70.9	
Ор	erating Income Margin	7.4%	2.3%	-5.1pt	-	
Net income from continuing operations before income taxes		60.6	12.2	(48.4)	-79.8	
Net Income		45.3	-2.5	(47.7)	-	
Earning Per Share (JPY)		350.90	-19.06		-	
Ev rate	US\$	Yen 85.73	Yen 79.07	Appreciation	on by 7.8%	
Ex-rate	EURO	Yen 113.12	Yen 109.06	Appreication	on by 3.6%	

※Please see Page 27 for the details of temporary factors that affected consolidated
full year results of FY March 2013

<sup>\*</sup>Discontinued operation (Display business) were deducted in above results

### Features in full year results of FY March 2013 **ATDK**



#### **◆**Consolidated sales decreased 6.6%, operating income decreased by 70.9%

- Slowdown in electronics market due to the Great East Japan Earthquake and flooding in Thailand
- -JPY appreciation continued (over 80 yen / US\$)
- Sales of IT home electronics area such as flat-screen TVs were weak mainly
- Production adjustment of certain major customer

#### Implemented restructuring measures for profitability improvement

- •Reorganization of sites, optimization of workforces and implementation for measures focusing on unprofitable business and products
- To post restructuring cost of 18.0 billion yen totally in FY March 2012 through FY March 2013
- Projected improvement will be 33.4 billion yen totally in FY March 2012 through FY March 2013

#### **◆TDK** plans to pay a year-end dividend of 40 yen per common share

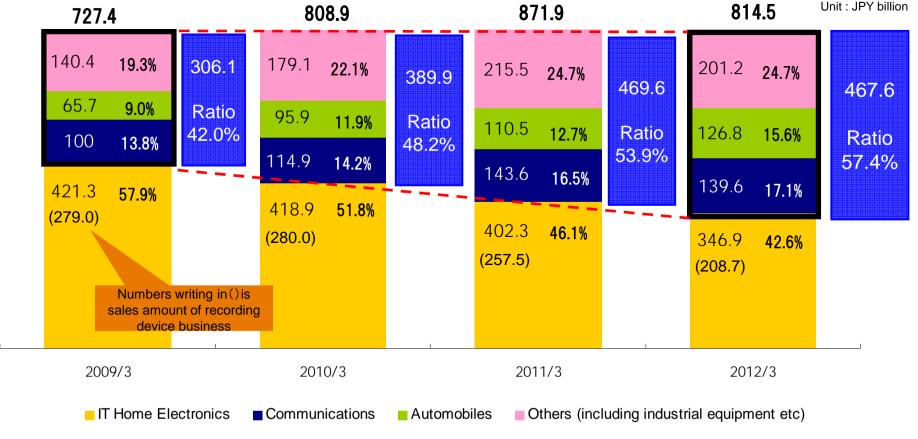
- -Combined with the interim dividend of 40 yen, the planned full year dividend will be 80 yen
  - XPlease see Page 27 for the details of temporary factors that affected consolidated full year results of FY March 2012
  - XPlease see Page 21 about detail for restructuring costs and the projected effect

#### Features in full year results -sales transition by applications-



Sales exposure of communications, automobiles and other (industrial equipment etc) increased to 57.4% Sales ratio of automobiles rose to 15.6% with steady sales increase

Sales ratio of IT home electronics decreased to 42.6% due to weak sales of passive components business for flat-screen TV and due to sales decrease in recording device business affected by flooding in Thailand



<sup>\*</sup>Consolidation of EPCOS from the second half of 2009/3

<sup>\*\*</sup>Discontinued operation (Display business) are included in 2009/3 and 2010/3. \*\*Discontinued operation (Display business) were deducted in 2011/3 and 2012/3.

#### Full year projections and dividend projections of FY March 2013



(JPY billion)		FY March 2012	FY March 2013	Change		
		Full Year Results	Full Year Projections	JPY billion	%	
Net Sales		814.5	900.0	85.5	10.5	
Operating I	ncome	18.7	57.0	38.3	204.8	
Оре	erating Income Margin	2.3%	6.3%	4pt	-	
Net income from continuing operations before income taxes		12.2	53.0	40.8	334.4	
Net Income		-2.5	40.0	42.5	-	
Earning Pe	r Share (JPY)	-19.06	317.75	-	-	
Devidneds (JPY)		1st half :40 (results) 2nd half :40 (projections) Annual: 80 (projections)	1st half :40 (projections) 2nd half :50 (projections) Annual: 90 (projections)	-	_	
Ex-rate	US\$	Yen 79.07	Yen 77.00	-		
EX-Tale	EURO	Yen 109.06	Yen 103.00	-		

※Discontinued operation (Display business) were deducted in above results and projections

#### Business development from this fiscal year onward



- Establish solid earning base by implementation of restructuring measures)
  - Reorganization of sites and optimization of workforce
  - Cost reduction
  - Implement measures focusing on unprofitable business and products
- Sustainable growth with growth business strategy
  - Aggressively accelerate business development for most focused market
    - □Next generation information and communications market
    - **□**Energy-related market

# Growth strategy for focus areas -



#### **Market**



Requirement for Hardware

Wireless
Multi-band
Multi-function
Small & Light
Low power
Larger data

# Requirement for Components

Smaller, lower profile

Multi function

Higher function

Efficient energy

Quick response high
frequency module

Higher data density

Large capacity battery
Efficient power supply
Higher magnetic force
Higher capacitance
Less rare-earth or rare
earth free

#### What TDK should do

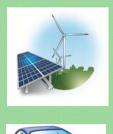
Offer smaller, higher performing Components to realize miniaturization and multi-function

Offer thin-film products utilizing magnetic technology and HDD head production process

Offer module solution by utilizing packaging technology such as LTCC, SESUB etc

Offer HDD head with high recording density corresponding to increasing digital data

Offer power electronics devices for generating, saving and Managing electricity



**Energy-related market** 



Low power
Low fuel
Dispersed power
Independent on
fossil fuel
(HEV/EV/FCEV)

#### **Growth strategy** -Next generation information and communications market -

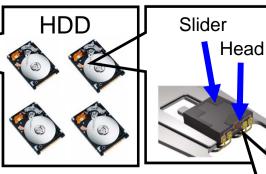


- Human-originated digital data volumes continue to grow
- ●Cloud computing is accelerating both the concentration of digital data (data center expansion) and explosion of digital data (cloud-computing terminal diffusion such as smartphones, tablet PCs, etc.)

#### Data center

#### HDD will continue to be main storage solution in data centers





Larger recording capacity of HDD and higher recording density will be essential factors for data centers to store big data and to reduce energy consumption at data centers

- Accelerate of development of HDD head suitable for data center
   To pursue high recording density of
- To pursue high recording density of HDD head continuously

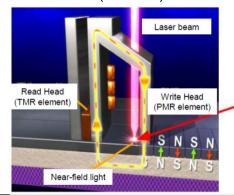
#### **Smart phone**



- Strengthen development of distinctive products
- Expand lineup of thin-film products
- Semiconductor Embedded in SUBstrate (SESUB), etc.
- Aggressive approach & strong support to market-leading customers

Next-generation HDD head: Thermal Assist Head
Recording density to be increased by 100%
compared with the most cutting edge head

1TB~/Platter (2.5 inch)



# Growth strategy -Energy related market -



The equipping of automobiles with electrical devices continues to gather pace against a backdrop of stricter fuel consumption and safety regulations around the world and soaring fuel prices. This leads to electrification of automobile and also this is promoting the development of hybrid electric vehicles (HEVs), plug-in hybrid electric vehicles (PHEV) and electric vehicles (EVs)

Present

**Electrification of gasoline-powered** vehicles

Lower fuel consumption, Safety Multimedia

Moving away from fossil fuels HEV/EV/PHEV/FCEV

Power inductor for ECU



Ceramic Capacitor for ECU

Film Capacitors for DC-LINK circuit

Common mode filters for CAN-BUS & Flex rav



Ferrite magnets for power steering, oil pump, wiper, power window etc



Temperature sensor



Transponder coils for tire



Rare earth magnets for driving motor

DC-DC converter



Battery Charger



Current sensor



The first year of a new era for magnets

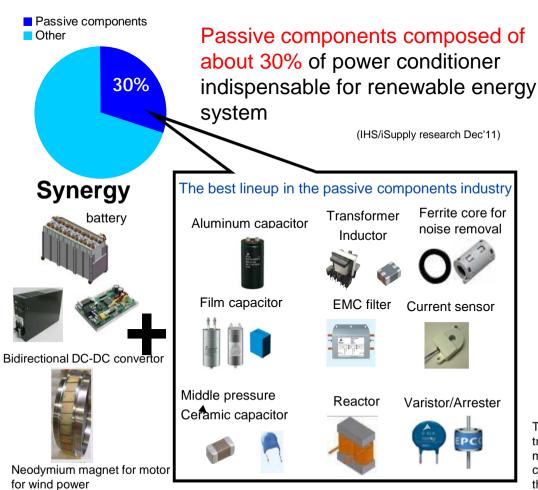
Strengthen measures to create magnets that use less or no rare earth

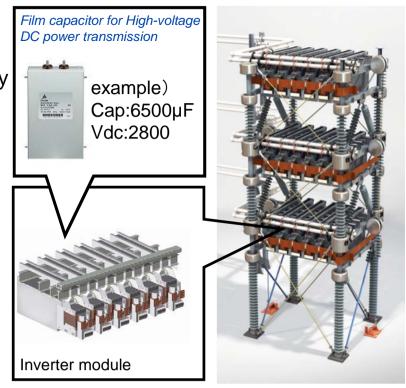
# Growth strategy -Energy related market -



Due to the shift to renewable energy and adoption of smart grids, demands for power electronics devices are expected to expand steadily over the medium and long terms.

Steady business expansion with wide range of products and good customer base





#### **HVDC (High Voltage Direct Current transmission)**

The use of alternating-current transmission results in low power loss during transmission, and the impact of frequency fluctuation is minimal. At present, more intercontinental long-distance transmission lines and facilities are under construction in Europe. Construction is expected to increase in other parts of the world such as China going forward.



# Consolidated Results of FY March, 2012 Consolidated 4Q Results of FY March, 2012

# Takakazu Momozuka Corporate Officer, General Manager of Finance & Accounting Department

# About the change of reporting segment



TDK newly has three reporting segments: "Passive Components" and "Magnetic Application Products" and "Film Application Products", as well as "Other", which includes products not included in these three reporting segments.

#### Previous segment

Previous Classification	Constituent Main Business	
Passive Components	Ceramic capacitors, Aluminum electrolytic capacitors, Film capacitors, Inductive devices (Coils/Ferrite cores/Transformers), High-frequency devices, Piezoelectric material products, Circuit protection components, Sensors	Reporting segement
Magnetic Application Products	Recording devices, Power supplies, Magnets, Recording media	]
Other	Energy devices (rechargeable batteries), Mechatronics (production equipments), other	Other

#### **New segment**

New Classification	Constituent Main Business	]_
Passive Components*	Ceramic capacitors, Aluminum electrolytic capacitors, Film capacitors, Inductive devices (Coils/Ferrite cores/Transformers), High-frequency devices, Piezoelectric material products, Circuit protection components, Sensors	Reporting segment
Magnetic Application Products	Recording devices, Power supplies, Magnets	Treporting segment
Film Application Products	Energy devices (rechargeable batteries), Applied films (former recording media)	Other
Other	Mechatronics (production equipments), other	Othell

Recording media, which belonged to the Magnetic Application Products Segment, has been renamed applied films due to the termination of some products and acquisition of a battery separators business, which has resulted in the main products being functional film products. This is now shown as a new reporting segment Film Application Products effective from fiscal 2012, and also includes energy devices which have similar core technologies and markets. Energy devices previously belonged to Other.

# Results of FY March 2012 by segment

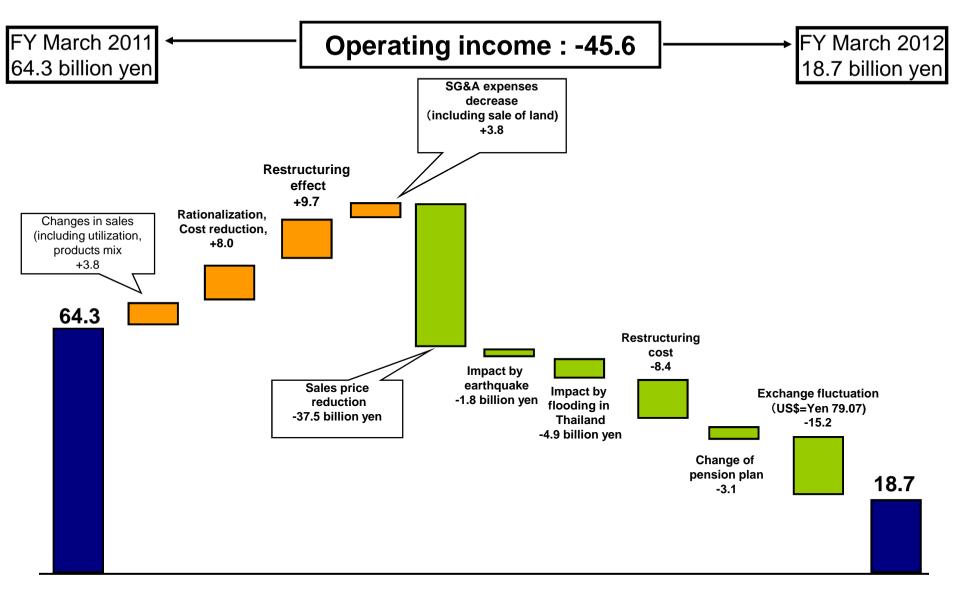


		FY Mar Full Year		FY Mare Full Year	ch 2012 Results	Cha	nge
		Yen billion	%	Yen billion	%	Yen billion	%
	Capacitors	145.4	16.7	132.4	16.3	(13.0)	-9.0
	Inductive devices	130.2	14.9	121.2	14.9	(9.0)	-6.9
	Other Passive Components	150.0	17.2	128.0	15.7	(21.9)	-14.6
z	Passive Components	425.5	48.8	381.6	46.9	(44.0)	-10.3
Net S	Recording devices	257.5	29.5	208.7	25.6	(48.8)	-18.9
Sales	Other Magnetic Application Products	99.0	11.4	107.7	13.2	8.7	8.8
S	<b>Magnetic Application Products</b>	356.5	40.9	316.4	38.8	(40.1)	-11.2
	Applied Film Products	58.6	6.7	92.7	11.4	34.1	58.2
	Other	31.3	3.6	23.8	2.9	(7.5)	-24.1
	Total	871.9	100.0	814.5	100.0	(57.4)	-6.6
	Passive Components	24.5	5.8	-6.6	-1.7	(31.1)	-
0p€	Magnetic Application Products	51.4	14.4	39.0	12.3	(12.4)	-24.1
Operating	Applied Film Products	1.2	2.1	6.3	6.7	5.0	416.5
	Other	0.5	1.6	-4.8	-20.3	(5.3)	-
Income	Sub total	77.6		33.8		(43.8)	-56.4
me	Corporate and eliminations	-13.3		-15.1		(1.8)	
	Total	64.3	7.4	18.7	2.3	(45.6)	-70.9

XDiscontinued operation (Display business) were deducted in above results

# **Breakdown of Operating Income Changes**





FY March 2011 FY March 2012

# **Financial position**



(JPY billion)	March End, 2011	March End, 2012	Change
Total Asset	1,060.9	1,072.8	12.0
Total Liability	521.1	560.8	39.7
Interest-bearing Debt	245.0	272.8	27.8
Stockholders's Equity	534.3	498.2	-36.1
(comprehensive income)	-218.0	-230.8	-12.9
Stockholders's Equity ratio	50.4%	46.4%	-4.0pt

# Segment Information (4Q of FY2011 vs. 4Q of FY2012, 3Q vs. 4Q 🕸 TDK



		4Q results of FY March 2011	3Q results of FY March 2012	4Q results of FY March 2012	YoY Change (C)-(A)		QoQ Change (C)-(B)	
	JPY billion		Oct 1- Dec 31, 2011 (B)	Jan 1- Mar 31, 2012 (C)	JPY billion	%	JPY billion	%
	Capacitor	34.5	30.6	31.6	(2.9)	-8.4	1.0	3.3
	Inductive Device	31.9	28.6	28.4	(3.5)	-11.0	(0.2)	-0.7
	Other Passive Comp	38.6	30.4	30.5	(8.1)	-21.0	0.1	0.3
z	Passive Components	105.0	89.5	90.5	(14.5)	-13.8	1.0	1.1
Net S	Recording Divices	57.5	42.0	58.2	0.7	1.2	16.2	38.6
Sales	Other Magnetic Application Products	24.4	26.0	29.7	5.3	21.7	3.7	14.2
S	<b>Magnetic Application Products</b>	81.9	68.0	87.8	5.9	7.2	19.8	29.1
	Film application Products	17.2	28.2	24.2	7.0	40.7	(4.0)	-14.2
	Other	8.9	5.7	4.6	(4.3)	-48.3	(1.1)	-19.3
	Total	213.0	191.3	207.0	(6.0)	-2.8	15.7	8.2
	Passive Components	4.8	1.5	-13.2	(18.0)	-	(14.7)	-
Operating	<b>Magnetic Application Products</b>	9.1	7.0	14.0	4.9	53.8	7.0	100.0
rati	Film application Products	-0.6	2.9	-0.5	0.1		(3.4)	-
	other	-0.4	-0.7	-2.6	(2.2)		(1.9)	-
Income	Sub total	12.9	10.7	-2.3	(15.2)	-	(13.0)	-
omo	Corporate and Eliminations	-3.2	-3.4	-0.9	2.3		2.5	-
Φ	Total	9.8	7.4	-3.2	(13.0)	-	(10.6)	-
	Operating Income margin	4.6%	3.9%	-1.5%	(5.7pt)		(5.0pt)	
Ex-	US\$	82.31	77.35	79.27				
rate	EURO Discontinued operation (Display business)	112.66	104.30	103.94				

\*Discontinued operation (Display business) were deducted in above results

# Restructuring measures -current status-



# Each restructuring measure proceeding as planned

Item	Current status
Production site	Announced reorganization of 7 plants out of total 19 plants located in Tohoku region
	Changes in number of employees in TDK worldwide
Jobs	End of September in 2011: 88,449 jobs
3005	End of December in 2011 : 82,912 jobs
	End of March in 2012 : 79,175 jobs decreased by 9,274 employees
Unprofitable business or products	Sale of Organic EL display business (completed by April 1st in 2012)
Unemployed assets	In 3Q: Already sold unemployed assets (posted sales gain of 4.0 billion yen at OP level) In 4Q: Already sold unemployed assets (posted sales gain of 2.7 billion yen at OP level)

# Restructuring measures –current status-



JP	Y billion	Announced on January 31 in 2012	Announcement on April 27 in 2012	
Restructuring	FY March 2012	<ul> <li>First half results : 1.5</li> <li>Second half results : 12.3</li> <li>Full year projections : 13.8</li> </ul>	<ul> <li>First half results : 1.5</li> <li>Second half results : 11.5</li> <li>Full year projections : 13.0</li> </ul>	
cost	FY March		• Full year projections : 5.0	
	Total	18.8	18.0	
	FY March 2012	Projected effect in second half : 13.5  %7.0+6.5(gain on sale of land)	• Effect in second half : 16.9 ※10.2+6.7(gain on sales of land)	
Effect (results and projections)	FY March 2013	• Full year projections : 22.0 (in comparison with results of FY March 2012)	• Full year projections : 16.5 (in comparison with results of FY March 2012)	
	Total	35.5	33.4	



# **Recording Device Business**

# Atsuo Kobayashi

Senior Vice President
General Manager of Data Storage & Thin Film
Technology Components Business Group

# **Recording device business**



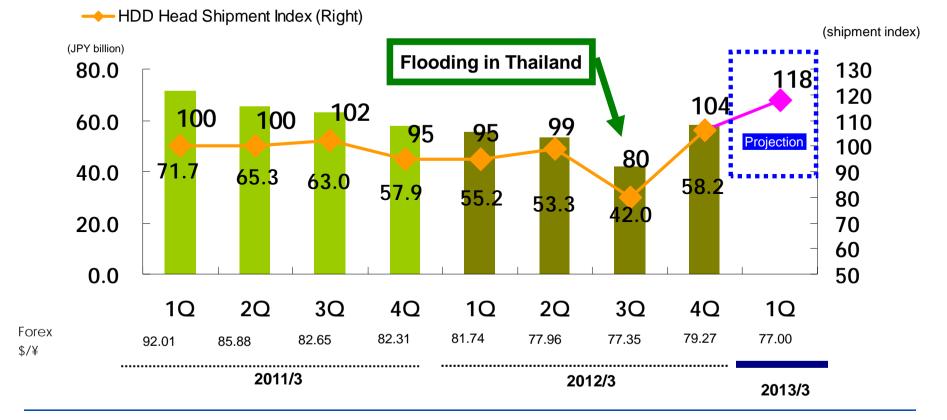
HDD market

FY March 2012 (TDK's estimation): About 600 million units

FY March 2013 (TDK's forecast): About 700 million units

HDD Market is being recovered from flooding in Thailand as TDK expected

Recording Device Sales (Left, including HDD Head (HGA) and HDD Suspention)

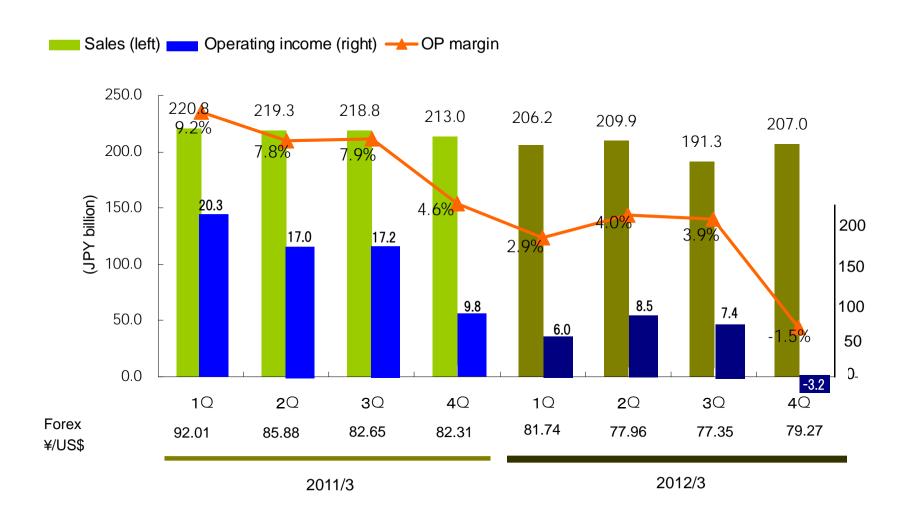




# **Supplementary Data**

#### **Quarterly sales and operating income**





\*Discontinued operation (Display business) were deducted in above results

### Quarterly sales and operating income by segment



			FY	March 20	11			FY	March 20	12	
	Yen billions	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total
	Capacitors	38.0	37.7	35.2	34.5	145.4	36.1	34.2	30.6	31.6	132.4
	Inductive Devices	32.1	33.6	32.6	31.9	130.2	32.9	31.4	28.6	28.4	121.2
	Other Passive Components	34.6	37.5	39.3	38.6	150.0	32.8	34.4	30.4	30.5	128.0
z	Passive Components	104.7	108.7	107.1	105.0	425.5	101.7	99.9	89.5	90.5	381.6
Net S	Recording Devices	71.7	65.3	63.0	57.5	257.5	55.2	53.3	42.0	58.2	208.7
Sales	Other Magnetic Application Products	25.1	24.3	25.2	24.4	99.0	24.4	27.7	26.0	29.7	107.7
Š	Magnetic Application Products	96.8	89.6	88.2	81.9	356.5	79.6	81.0	68.0	87.8	316.4
	Film application Prodcuts	11.6	13.7	16.1	17.2	58.6	18.0	22.4	28.2	24.2	92.7
	Other	7.8	7.2	7.4	8.9	31.3	6.7	6.6	5.7	4.6	23.8
	Total	220.8	219.3	218.8	213.0	871.9	206.2	209.9	191.3	207.0	814.5
	Passive Components	6.3	7.3	6.2	4.8	24.5	3.8	1.3	1.5	(13.2)	(6.6)
Ope	Magnetic Application Products	16.7	13.3	12.2	9.1	51.4	8.6	9.5	7.0	14.0	39.0
Operating	film application Prodcuts	0.0	0.6	1.2	(0.6)	1.2	1.2	2.6	2.9	(0.5)	6.3
	Other	0.4	0.3	0.1	(0.4)	0.5	(0.4)	(1.2)	(0.7)	(2.6)	(4.8)
Inc	Sub-total	23.4	21.5	19.7	12.9	77.6	13.2	12.2	10.7	(2.3)	33.8
Income	Corporate and Eliminations	(3.1)	(4.5)	(2.5)	(3.2)	(13.3)	(7.2)	(3.7)	(3.4)	(0.9)	(15.1)
100	Total	20.3	17.0	17.2	9.8	64.3	6.0	8.5	7.4	(3.2)	18.7
Ex-rate	¥/USD	92.01	85.88	82.65	82.31	85.73	81.74	77.96	77.35	79.27	79.07
rate	¥/EURO	117.03	110.67	112.20	112.66	113.12	117.62	110.42	104.30	103.94	109.06

XDiscontinued operation (Display business) were deducted in above results

#### **Temporary factors affecting FY March 2012**

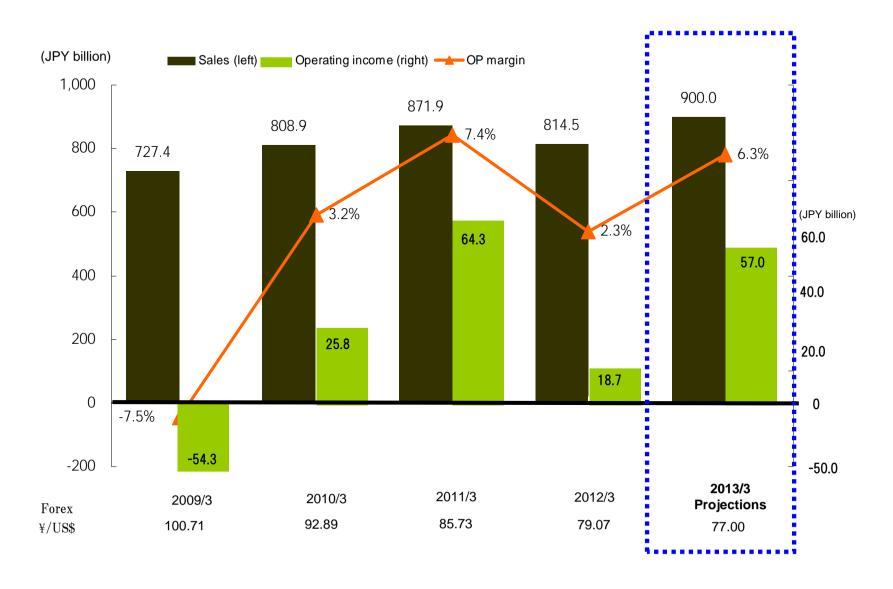


(JPY billion)

Forex impact	-Sales :-about 50.9
	<ul><li>Operating income :-about 15.1</li></ul>
Earthquake impact	-Sales :-about 5.4
	Operating income:-about 3.5
Thailand flooding impact	-Sales :-about 14.7
	Operating income:-about 4.9
One off charge associated with the change of the pension plan	Operating income:-about 3.1
(Only 1 <sup>st</sup> quarter)	
Restructuring cost	Operating income:-about 13.0
Impact of a corporate tax reduction and the special corporation tax for reconstruction, as well as the reassessment of the recoverability of deferred tax assets	-Booked income taxes of about 12.0

#### **FY March 2013 Projections**

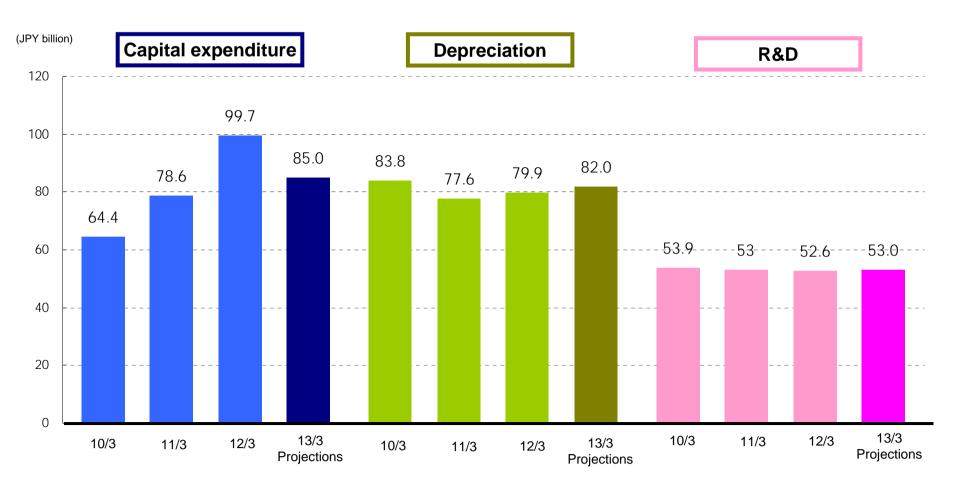




\*Discontinued operation (Display business) are included in 2009/3 and 2010/3. \*Discontinued operation (Display business) were deducted in 2011/3 and 2012/3.

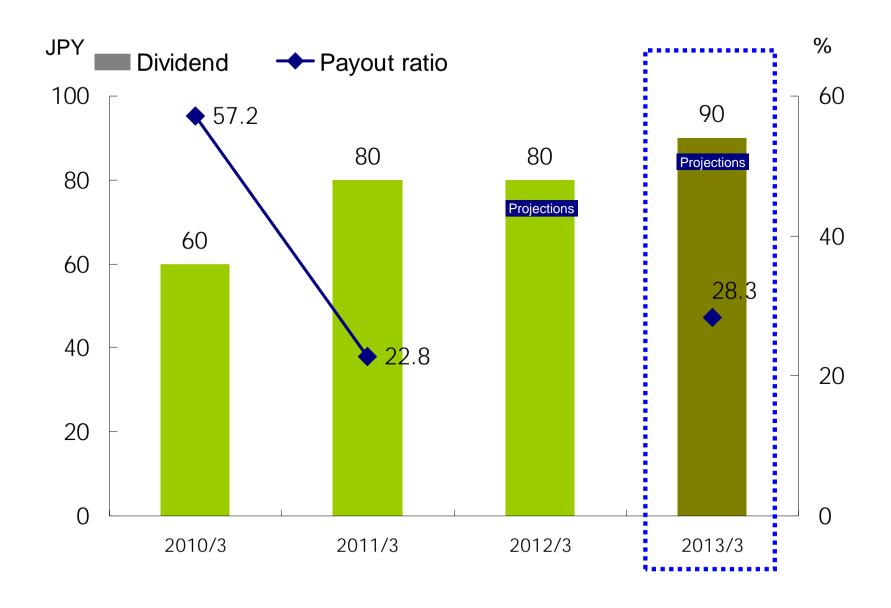
# FY March2013 Projections - Capex, Depreciation, R&D- **ATDK**





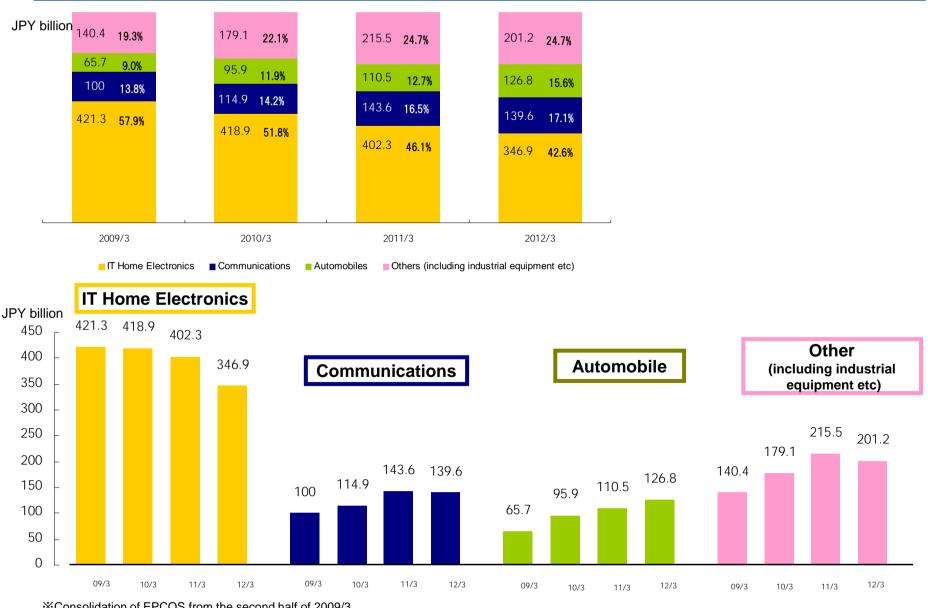
# FY March 2013 projections - Dividend -





# Sales by applications (FY March 2009 –FY March 2012)





\*Consolidation of EPCOS from the second half of 2009/3

\*Discontinued operation (Display business) are included in 2009/3 and 2010/3.

# Quarterly sales by applications (FY March 20 –FY March 2012)

#### <Quarterly sales by applications>



Other (including inductrial equipment)

Automobiles

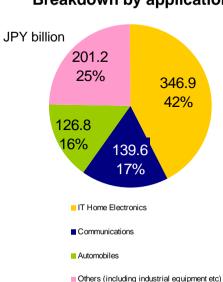
Communications

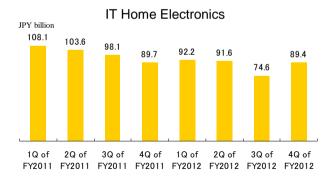
IT Home Electronics

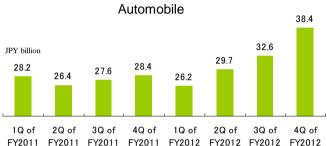
1Q of FY2011 2Q of FY 2011 3Q of FY2011 4Q of FY 2011 1Q of FY2012 2Q of FY2012 3Q of FY2012 4Q of FY2012

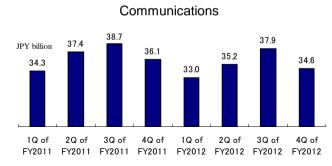
#### <Quarterly sales by applications>

#### FY March 2013 Breakdown by applications









#### Other (including industrial equipment)



\*Discontinued operation (Display business) were deducted in 2011/3 and 2012/3.

#### **Cautionary Statements with Respect to Forward-Looking Statements**



This material contains forward-looking statements, including projections, plans, policies, management strategies, targets, schedules, understandings and evaluations, about TDK or its group companies (TDK Group). These forward-looking statements are based on the current forecasts, estimates, assumptions, plans, beliefs and evaluations of TDK Group in light of information currently available to it, and contain known and unknown risks, uncertainties and other factors. TDK Group therefore wishes to caution readers that, being subject to risks, uncertainties and other factors, TDK Group's actual results, performance, achievements or financial position could be materially different from any future results, performance. achievements or financial position expressed or implied by these forward-looking statements, and TDK Group undertakes no obligation to publicly update or revise any forward-looking statements after the issue of this material except as provided for in laws and ordinances. The electronics markets in which TDK Group operates are highly susceptible to rapid changes. Risks, uncertainties and other factors that can have significant effects on TDK Group include, but are not limited to, shifts in technology, fluctuations in demand, prices, interest and foreign exchange rates, and changes in economic environments, conditions of competition, laws and regulations. Also, since the purpose of these materials is only to give readers a general outline of business performance, many numerical values are shown in units of a billion yen. Because original values, which are managed in units of a million yen, are rounded off, the totals, differences, etc. shown in these materials may appear inaccurate. If detailed figures are necessary, please refer to our financial statements and supplementary materials.

