



Financial year of ending Mar.31, 2016

The 1st half of year result

The 1st quarter and the 2nd quarter total

Nov.20, 2015



Y.A.C. Co., Ltd.

(Ticker symbol: 6298)

<http://www.yac.co.jp>



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Director & General Manager Administration Div.
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Representative Director & President
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Managing Director
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1. President Message & Summing up of financial results

- **Mr. Takefumi Momose,
Representative Director & President**

1. Summing up of interim financial results

■ **Increased Revenue & Income**

New organization started to work effectively and new each three business segment increase its sales and income.

● **Display related Business**

Heater for LCD panel manufacturing led business.

● **Mechatronics related business**

Semiconductor and hard disc related business went well.

● **Cleaning and other business**

Gathering clients demand and business went well.



2. Outline of interim financial results of ending Mar.31, 2016

- Mr. Kazumasa Teramoto,
Director & General Manager
Administration Div.**

2-1 Business Results



Increased sales and income compared to previous corresponding period

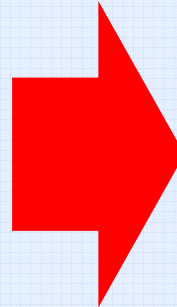
(Millions of Yen)

	6 month ended Sep. 30, 2014 (Consolidated)	6maonth ended Sep. 30, 2016 (Consolidated)	Increase(decrease) amount against previous corresponding period.	Increase(decrease d) amount against previous corresponding period.
Net Sales	6,573	11,102	4,529	68.9%
Operating income (Income ratio)	-279 (-4.3%)	461 (4.2%)	741	—
Ordinary income	-194	462	657	—
Net income	-169	236	405	—
Net income per share	-18.98	26.52	45.50	—
R&D	133	120	-13	-9.8%
New capital investment	36	81	44	124.2%
Depreciation	138	166	28	20.5%

2-2 New classification of segment, from this financial year

Up to Mar. 2015

Classification of segment
Industrial electronics related business
Hard disc related
LCD related
Semiconductor related
Photovoltaic related
FEL related
Precise heat treatment related
Industrial metering & telemeter controlling related
Cleaning and other related business
Cleaning related



From Apr. 1, 2015

Classification of segment
Display related business
LCD panel manufacturing related
Mechatronics related
Hard disc related
Semiconductor related
Photovoltaic related
Industrial metering & telemeter controlling related
Cleaning & other business related
Cleaning related
Lighting related
Precise heat treatment related

2-3 Net sales by business



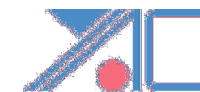
Heater for LCD panel manufacturing, test handler and industrial telemetering controlling business went well.

YAC DASTech and YAC Pheton contributed to sales.

(Millions of Yen)

	6 month ended Sep. 30, 2014 (Consolidated)	6maonth ended Sep. 30, 2016 (Consolidated)	Increase(decreased) amount against previous corresponding period.	Increase(decreased) amount against previous corresponding period.
Display related	4,147	7,189 Heater for LCD panel manufacturing went well.	3,041	73.3%
Mechatronics related	1,858	3,234 Test handler , industrial telemetering controlling business went well. YAC Dastech and YAC Pheton contributed.	1,375	74.0%
Cleaning & other business related	567	679 Precise heat treatment for automobile went well.	112	19.8%
Total	6,573	11,102	4,529	68.9%

2-4 New order received by business



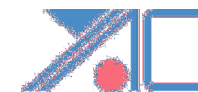
Display related increased mainly for smart phone.

New order received total amount is 2.5 times of previous corresponding period.

(Millions of Yen)

	6 month ended Sep. 30, 2014 (Consolidated)	6maonth ended Sep. 30, 2016 (Consolidated)	Increase(decreased) amount against previous corresponding period.	Increase(decreased) amount against previous corresponding period.
Display related	2,781	15,062	12,281	441.6%
Mechatronics related	5,115	6,177	1,062	20.8%
Cleaning & other business related	571	1,184	614	107.5%
Total	8,467	22,424	13,956	164.8%

2-5 Back log ordered by business



Display related increased mainly for smart phone.

Back log ordered total amount is 2 times of previous corresponding period

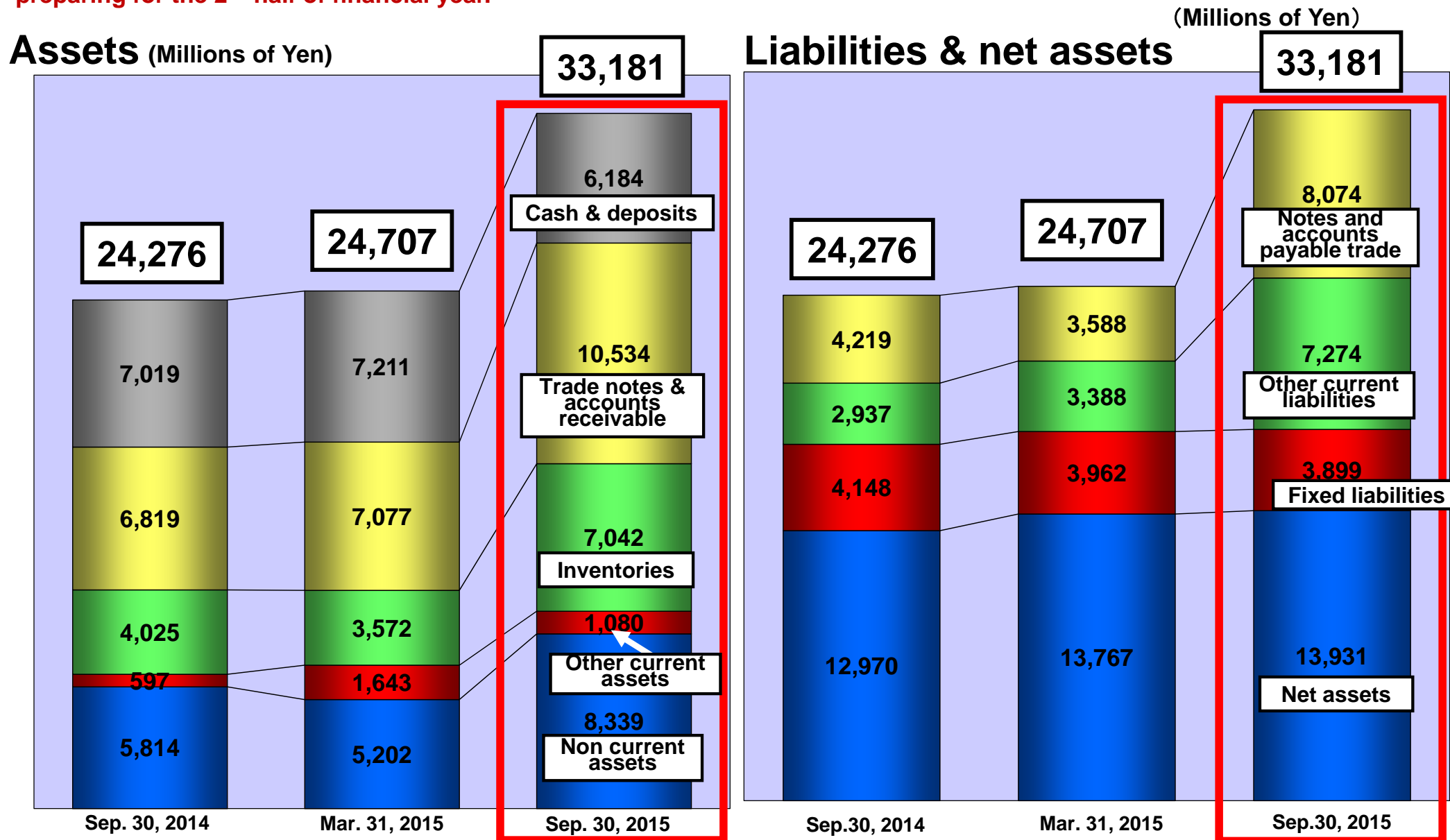
(Millions of Yen)

	6 month ended Sep. 30, 2014 (Consolidated)	6maonth ended Sep. 30, 2016 (Consolidated)	Increase(decreased) amount against previous corresponding period.	Increase(decreased) amount against previous corresponding period.
Display related	5,018	13,971	8,953	178.4%
Mechatronics related	4,380	4,775	395	9.0%
Cleaning & other business related	8	338	330	4,244.0%
Total	9,405	19,084	9,679	102.9%

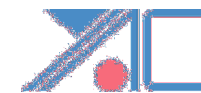
2-6 Historical figure of B/S



Borrowed from outside to lend money to acquired large company. Trade notes & accounts receivable increased because of concentrated sales in September. Inventories and notes and accounts payable increased because of increased purchasing preparing for the 2nd half of financial year.



2-7 Summary of cash flow statements.



Increasing trade notes and accounts receivable, inventory and trade noted and accounts payable made CF from operating activities minus and cash & cash equivalent at end of period decreased.

(Millions of Yen)

	6 month ended Sep. 30, 2013 (Consolidated)	6 month ended Sep. 30, 2014 (Consolidated)	6 month ended Sep. 30, 2015 (Consolidated)
CF from operating activities	-856	-1,317	-1,105
CF from investment activities	-830	-44	-3,801
CF from financial activities	-780	280	2,950
Cash & cash equivalents at end of period	6,390	6,777	5,972



3. Outlook of financial result of year ending Mar.31, 2015

**..... Mr. Takefumi Momose,
Representative Director & president**



« Display related business »

~ LCD related business ~

- Cooperation between dry etching equipment business, wet etching business and annealing equipment business made synergy effect.
- Business operation focusing on such new device as high definition panel for smart phone and display panel for 4K or 8K TV.
- Execution of competitive cost down.



《Mechatronics related》

~Hard disc related~

- To get the orders of equipment for HDD applicable to new generation high density HDD.
- To bottom up the sales by introducing new products as development new business such as environment-related products.

~Semiconductor related~

- To match the demand for new capital investment in power semiconductor business.



《Mechatronics related》

~Photovoltaic related ~

- To promote marketing of the process that is applicable to high efficient solar panel and expand sales.

~Industrial meter & telemeter controlling related~

- Capital investment was resumed by liberalization of electric power business and re-run of atomic power plants.
- Expansion of such clients base as natural energy related business.



《Other related business》

~Cleaning related~

- Introducing new equipment to enlarge our market share and strengthen weak area intensively.
- Expanding market to North America and Europe based on Asia.
- Expanding business linen supply related business.

~Precise heater for automobile related~

- Providing equipment that is energy save and applicable to high productivity replying to clients requests in automobile parts business.

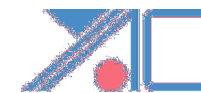
3-2 Forecast of this financial year.



- **Sales :** **¥26.5 Billion.**
- **Operating income :** **¥1.4Billion.**

- ◎ Clients investment climate is going up.
- ◎ Nihon Garter Co., Ltd. newly consolidated this financial year will contribute from the 2nd half of this f. year.
- ◎ Every year, sales realizes intensively during the 2nd half of financial year therefore full year result will be expected to be the same as disclosed forecast.

3-3 Forecast of full year ending Mar. 30, 2016



(Million of Yen)

	Ended Mar.30,2015	Ending Mar.30, 2016 (Forecast)	Increase (Decrease) amount against previous year (Forecast)	Increase (Decrease) % against previous year (Forecast)
Net sales	16,622	26,500	9,877	59.4%
Operating income	787	1,400	612	77.8%
Ordinary income	966	1,450	483	50.0%
Net Income	639	870	230	36.0%
Net income per share(Yen)	71.72	97.54	—	—

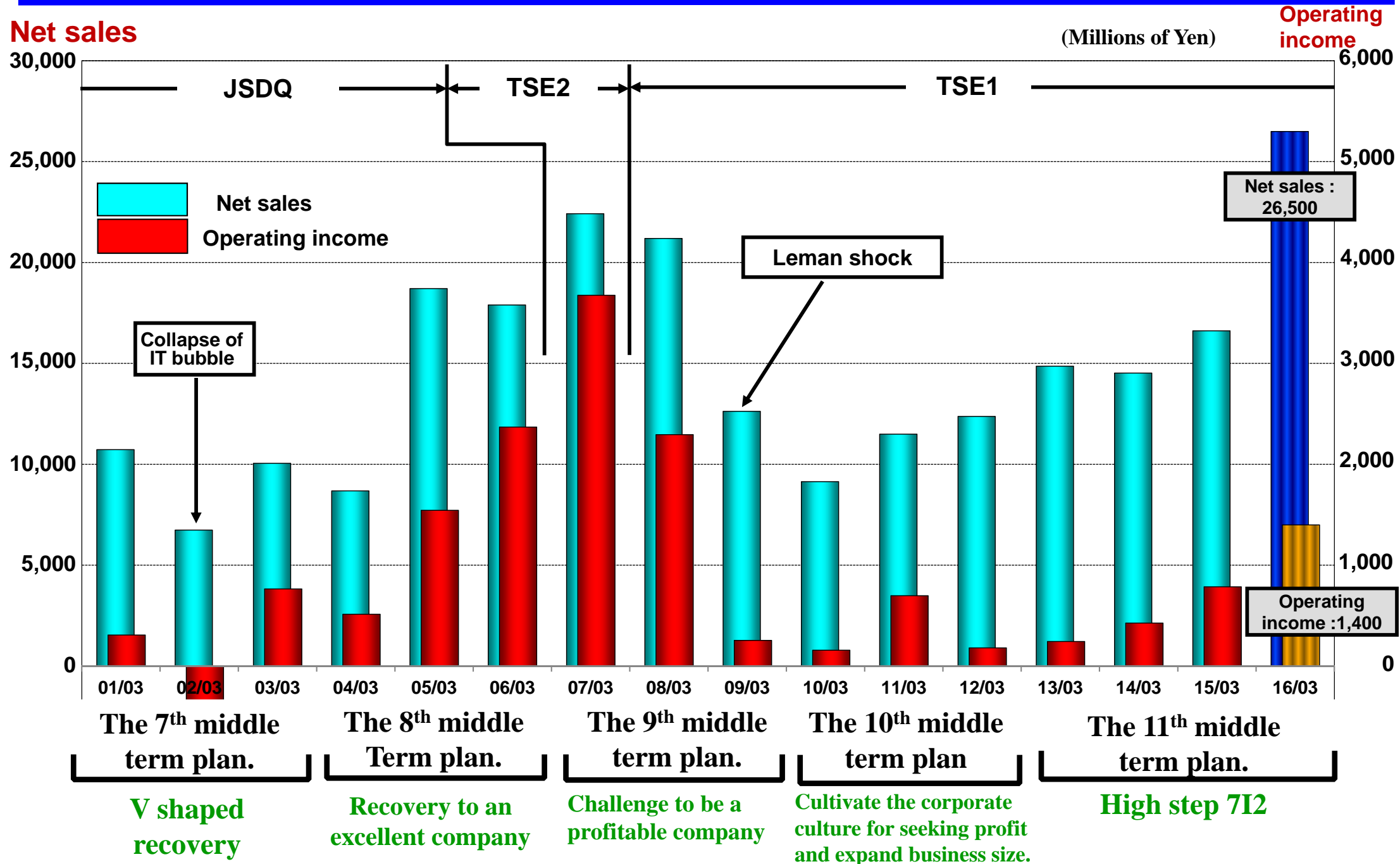
3-4 Sales forecast by business.



(Millions of Yen)

	Ended Mar.30, 2015	Ending Mar.30, 2016 (Forecast)	Increase (Decrease) amount against previous year (Forecast)	Increase (Decrease) % against previous year (Forecast)
Display related	8,750	13,500	4,749	54.3%
Mechatronics related	6,415	11,000	4,584	71.5%
Cleaning related others	1,457	2,000	542	37.2%
Total	16,622	26,500	9,877	59.4%

3-5 Past result and forecast of ending Mar.30, 2026



3-6 New business recently started.



- **Wet etching equipment.**
- **Embossed carrier tape.**
- **Equipment manufacturing for LED and electronics parts.**
- **Medical and nursing related equipment.**
- **Atmosphere related equipment.**
 - **Fine bubble generating machine.**
 - **Oxygen and hydrogen generating machine.**



4. Presentation on new business.

..... **Mr. Toshihiko Itoh**



1. Introducing Nihon Garter Co., Ltd.

Smart Grid and

Thin and micro technology which lead a spread of
auto operated automobile.

Let's go ahead of Moore's law.

**To reach summit of thin and micro
item transport technology**

Nihon Garter Co., Ltd.
YAC Group.

4-1 Presentation on new business.



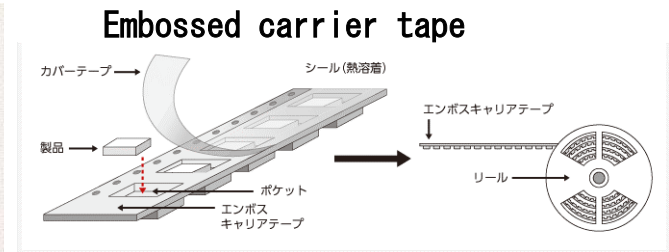
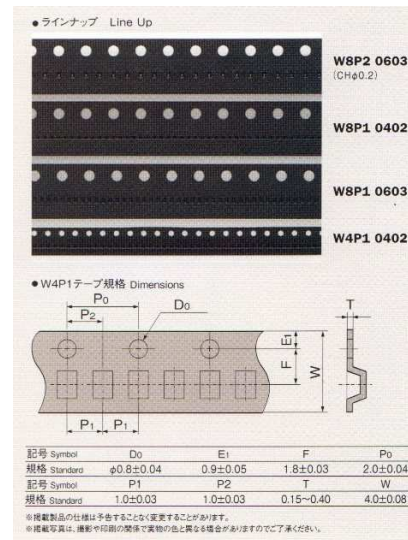
Nihon Garter Co., Ltd. is a pioneer of embossed carrier tape for electronics parts surface mounting, as well as an assembly and testing process equipment manufacturer, manufacturing and selling precise items packaging material embossed carrier tape including electronics parts tester mainly in electronics parts market.

Embossed carrier tape is a indispensable key device to Mount minute parts accurately such as 0402 (0.4mmx0.2mmx0.1mm).

Recently, demand for equipment which perform high speed transportation, characteristic inspection, appearance inspection and final packing refrain from human hands and is possible to preserve process history is increasing.

We have been experienced to provide mass produced Products with coping technical development in early stage and now day and night cope with further technical innovation in order to be able to reply various type of clients request.

And regarding equipment sales and maintenance service, we are growing with our clients with providing global technical support service based on our Asian commercial production bases which have experienced global human resources.



Ultra thin and minute embossed carrier tape



LED tester



Inspecting and sorting machine for SMD-LED



Sheet taping machine for WLCSP

2. Newly lined up products, environmental related equipment.

2 models of environmental related equipment are lined up to our products line from the technology cultivated in mechatronics products business.

Major products

1. Fine bubble generating machine.




Machine to purify water from blue-green algae occurred by rack of oxygen and plentiful nourishment in lake, pond and reservoir etc. This machine can generate fine bubble directly from filthy water without using pure water like other standard micro bubble generator.

2. Oxygen and hydrogen generating machine.



Machine to contribute to fuel consumption reduction by introducing, from inlet of boiler, oxygen and hydrogen gas generated by electrolysis water.

We propose cleaning business clients who use boiler intensively to reduce running cost.

A decorative banner at the top of the slide features a collage of images: a golden mechanical part, a grid of solar panels, a view of the aurora borealis, a bright sun flare, a field of solar panels under a blue sky, and a person in a white lab coat working in a laboratory.

Attachment Corporate outline

- 1. Basic information.**
- 2. Special features of Y.A.C. Co., Ltd.**
- 3. Global network of YAC group.**
- 4. Group companies.**
- 5. Major products.**

1. Basic information



C o r p o r a t e N a m e	Y.A.C. Co., Ltd.
T i c k e r c o d e	6298 (TSE 1 st section)
E s t a b l i s h e d	May, 1973
R e p r e s e n t a t i v e	Takefumi Momose, President
O f f i c e s	Head Quarter:3-11-10 Musashino, Akishima, Tokyo Japan Sales Office :Osaka, Akishima, Shinchu (Taiwan) Factories :Akishima, Yamanashi, Kumamoto, Ohita
G r o u p C o m p a n i e s (c o n s o l i d a t e d)	Ohkura Electric Co., Ltd.(Sakato, saitama Pre.) YAC Denko Co., Ltd. (Ohme, Tokyo) YAC Niigataseiki Co., Ltd. (Myukou, Niigata Pre.) YAC DAStech, Inc.(Toda, Saitama Pre.) YAC Phoeton Corporation(Atsugi, Kanagawa Pre.) Y.A.C. Kokusaidennetsu Co., Ltd(Musashimurayama, Tokyo) Nihon Garter Co., Ltd. (Ohme, Tokyo) HYAC Corporation (California, U.S.A.) YAC Systems Singapore Pte. Lt. (Singapore) YAC (Shanghai) International Trade Co., Ltd. (Shanghai, PRC) Shaoxing YAC(Shanghai) Electronic Equipment Co., Ltd. T.Y.A.C. Corp.
N o n C o n s o l i d a t e d	ND Material Co., Ltd. Kowa Electronics Co., Ltd. Kohwa Electric Co., Ltd.
P a i d u p C a p i t a l	¥2,756million
M a j o r P r o d u c t s a n d s e r v i c e s	Developing, Drawing, Manufacturing & Selling of Manufacturing Equipment for Display related equipment, Mechatronics related equipment and Cleaning related equipment.
A c c o u n t C l o s i n g	March 31

2. Special Features of YAC Co., Ltd.



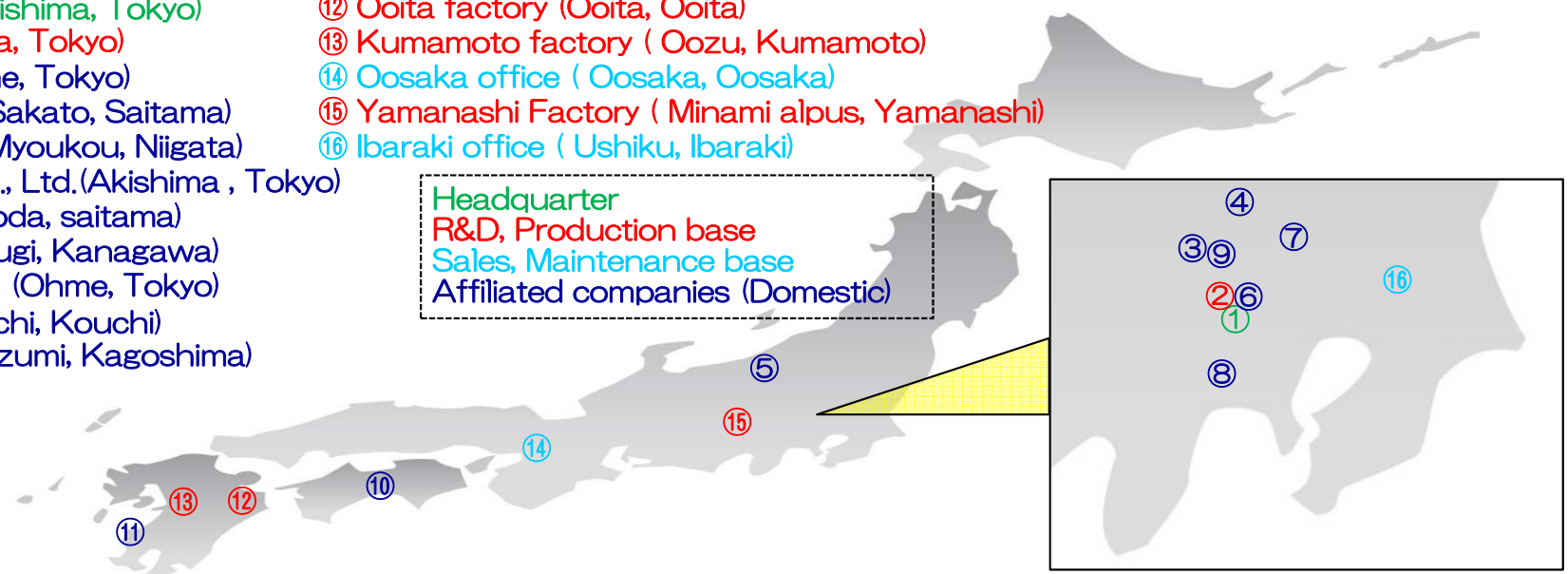
- **Diversified in 10 fields.**
- **Fables management.**
- **Challenging for M&A, acquired 14 business during past 15 years.**
- **Global enterprise focusing Asia.**
- **Penetrating into device business.**
- **All-in-one management with employee.**

3. Global network



- ① Head Quarter/ Factory (Akishima, Tokyo)
- ② Technical Center (Akishima, Tokyo)
- ③ YAC Denko Co., Ltd. (Ohme, Tokyo)
- ④ Ohkura Electric Co., Ltd. (Sakato, Saitama)
- ⑤ YAC Niigata Seiki Co., Ltd. (Myoukou, Niigata)
- ⑥ YAC-Kokusaidennetsu Co., Ltd. (Akishima, Tokyo)
- ⑦ YAC DASTech Co., Ltd. (Toda, Saitama)
- ⑧ YAC Pheton Co., Ltd. (Atsugi, Kanagawa)
- ⑨ NIHON GARTER CO., LTD. (Ohme, Tokyo)
- ⑩ ND Material Co., Ltd. (Kouchi, Kouchi)
- ⑪ Kohwa Electric Co., Ltd. (Izumi, Kagoshima)

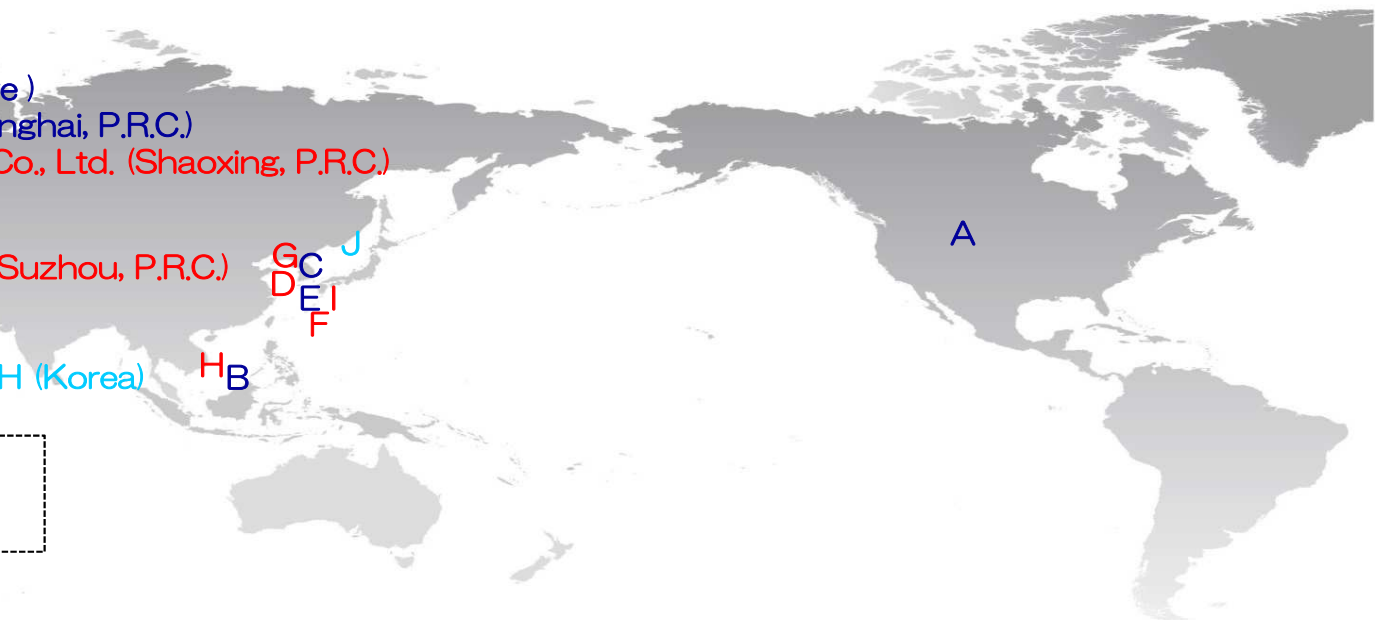
- ⑫ Ooita factory (Ooita, Ooita)
- ⑬ Kumamoto factory (Oozu, Kumamoto)
- ⑭ Oosaka office (Oosaka, Oosaka)
- ⑮ Yamanashi Factory (Minami alpus, Yamanashi)
- ⑯ Ibaraki office (Ushiku, Ibaraki)



Headquarter
 R&D, Production base
 Sales, Maintenance base
 Affiliated companies (Domestic)

- A) HYAC Corporation (California, U.S.A.)
- B) YAC Systems Singapore Pte Ltd. (Singapore)
- C) YAC (Shanghai) International Co., Ltd. (Shanghai, P.R.C.)
- D) Shaoxing Weiaixin Electronics Equipment Co., Ltd. (Shaoxing, P.R.C.)
- E) T.Y.A.C. Corp. (Hsinchu, Taiwan)
- F) NIHON GARTER PHILIPPINES, INC.
- G) Suzhou Nihon Garter Electronics Co., Ltd (Suzhou, P.R.C.)
- H) NGC Garter (M) Sdn. Bhd. (Malaysia)
- I) Garter Technology Co., Ltd. (Taiwan)
- J) NIHON GARTER CO., LTD KOREA BRANCH (Korea)

Affiliated companies (Overseas)
 Sub-affiliated companies (Overseas)
 Overseas branch of affiliated companies



4. Group companies



In Japan

■ Y.A.C. Co., Ltd.

Mechatronics Products Div.
Display Manufacturing Equipment Div.
Cleaning Equipment Div.
Lamp & Lighting Business Div.

■ 7 Group companies.

YAC Denko Co., Ltd.	Ohme, Tokyo
Ohkura Electric Co., Ltd.	Sakato, Saitama
YAC Niigata Seiki Co., Ltd.	Myoukou, Niigata
YAC DASTech co., Ltd.	Toda, Saitama
YAC Pheton Co., Ltd.	Atsygi, Kanagawa
YAC-Kokusaidennetsu Co., Ltd.	Akishima, Tokyo
NIHON GARTER CO., LTD.	Ohme, Tokyo

■ 2 equity method affiliated companies

ND Material Co., Ltd.	Kohchi-Shi, Kouchi
Kohwa electric Co., Ltd.	Izumi, Kagoshima

Outside of Japan

■ 4 Group Companies

HYAC Corporation	California, U.S.A.
YAC Systems Singapore Pte Ltd.	Singapore
Y.A.C. (Shanghai) International Trade Co., Ltd.	Shanghai, P.R.C.
T.Y.A.C. CORP.	Hsinchu,

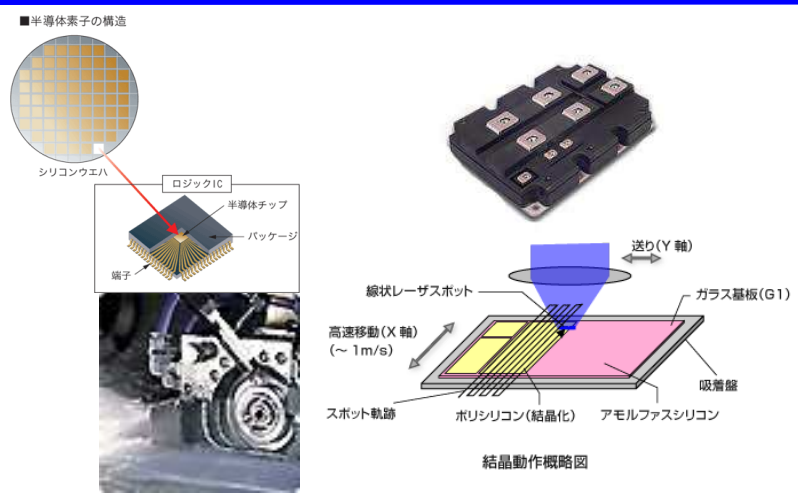
■ 5 sub-subsidiaries and 1 branch

Shaoxing Weiaixin Electronic Equipment Co., Ltd.	Shaoxing, P.R.C.
NIHON GARTER PHILIPPINES, INC.	Philippines
Suzhou Nihon Garter Electronics Co., Ltd.	Suzhou, P.R.C.
NGC Garter(M) Sdn. Bhd.	Malaysia
GARTER TECHNOLOGY CO., LTD.	Taiwan
NIHON GARTER CO.,LTD KOREA BRANCH	Korea

4 business divisions, 7 domestic group companies, 4 overseas group companies and 5 overseas sub-subsidiaries.

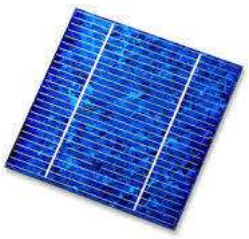
5. Major products

Core technologies



— Plasma, Vacuum and Heat —
Etching, Reforming and Diffusion

— Cutting, Laser —
Dicing and Diffusion



— WET —
Etching and Texturing

— Handling —
Handler and Conveyor

— Precise polishing —
Burnisher

5. Major products

(1) LCD related business



Plasma dry etching equipment	Dry etching equipment by using plasma technology. The most suitable for high definition panel manufacturing such as LTPS and OLED for smart phone , efficient manufacturing process and mask less technology.
Annealing equipment	Heat treatment equipment (RTA) for reforming and improving film quality. Suitable for mass production of high definition panel such as LTPS and contributed for high functionality of smart phone and tablet.
Wet etching equipment	Wet etching equipment using chemical liquid. Applying for small to large panel including high definition panel such as IGZO, OLED and metal wiring.



Plasma dry etching equipment



Annealing equipment



Wet etching equipment

5. Major products

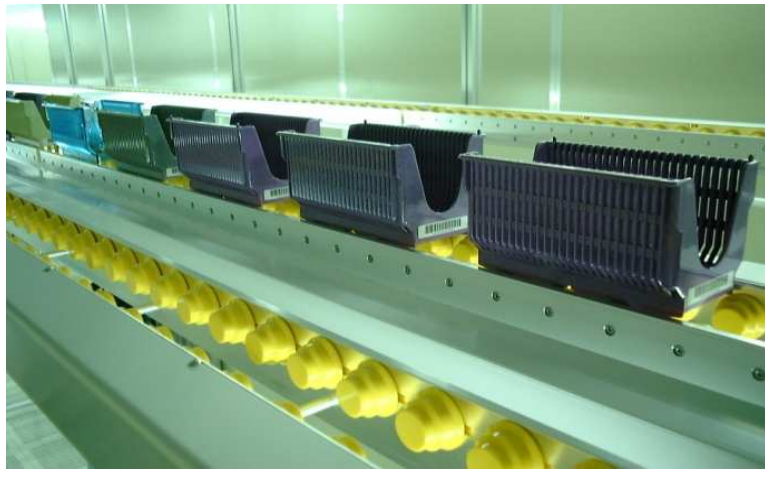
(2) Hard disk related business



Banisher for HDD	The disk surface precise polishing equipment to eliminate the nano-size projections on the disk surface after the process of magnetic film generating.
Wiping System for HDD	The equipment to remove particles on the disk surface and to equalize the lubricant agent after the process of magnetic film generating.
UV Curing	UV Curing Surface-reforming for Hard Disk
Clean Conveyor	For HDD factory: Possible to built various type of transportation line easily by module combination. For semiconductor factory: Achieved high load-bearing performance, impact performance and speed performance for 300 mm wafer pot. Solar sells factory: Transport big size substrate with high load-bearing performance and impact performance.



Banisher



Clean conveyor for hard disk



High speed clean conveyor for semiconductor

5. Major products.

(3)-1. Semiconductor testing & cleaning related.

Testing handler.	<p>Equipment that screen automatically good or bad after packaging of logic IC. Applicable wide range of temperature between 55 degree C. to 155 degree C.</p>
Semiconductor and parts cleaning equipment.	<ul style="list-style-type: none"> •Wet process equipment: Cleaning equipment, resist removal equipment and night ride equipment. •Semiconductor peripheral equipment: Quarts tube cleaner, stocker and chemical liquid supplying equipment.
IPA vapor dryer.	<p>Drying wafer by using IPA vapor at the final stage of semiconductor, including LSI, MEMS, and power devices, cleaning process with free from particles.</p>



Test handler for logic IC.



Quarts tube cleaner



IPA vapor dryer

5. Major products

(3)-2. Semiconductor precise dicing and slicing related.



Full automated slicer	This is a full automatic slicer to cut thick or complex device which have realized to cut device by one pass in stead of step cut even device that old fashioned slicer used to cut by step cut. For: Complex devices such as devices containing sapphire, glass, ceramic and packaged devices such as CSP, QFP, QFN and metallic devices.
Slicing and dicing machine	Automatic θ -AXIS, having automatic alignment function. Possible to cut thick device highly precisely by multi blade.
Full automated core drilling machine	This is full automatic drilling machine which cut the subject such as glass or quarts into circle shape or donuts shape by using core drill. This machine has auto transport and automatic alignment functions . Recently we introduced new equipment DAR806 which is applicable to smaller diameter (1to 10) with ultra sonic spindle
Resale business	<p>We purchase, repair and resell secondhand dicing equipment, cutting equipment and semiconductor manufacturing equipment.</p> <div style="border: 1px solid black; padding: 10px;"> <p>ダイサー再生・販売ステーションのしくみ (全て自社にてご提供)</p> </div>



DFS1100

Full automatic slicer



DAS110

Slicing/Dicing



DAR806

Automatic core drilling machine



DAR810

Full automatic core drilling machine

5. Major products

(3)-3. Semiconductor laser process related.



Laser anneal machine

- Laser anneal equipment for IGBT and power semiconductor
 - Heat only on backside by 2 wavelength laser anneal and control anneal depth from 1 to 10 micro mater.
 - High throughput was realized by combination of continuously oscillating laser and turn table.
- Backside Laser Annealing System for Ohmic Contact Formation on SiC.
 - The 1st time equipment in the world and applicable development and prototype of products.
 - This equipment will support mas production by its high stability, reproducibility, throughput and low running cost.
- Laser scriber.
 - Exclusive use for SiC and realized debris less.

Micro multi laser drilling machine

- Ultra precise hole making : Making diameter 15 to 50 micrometer hole.
- High speed great number holes making : Making maximum diameter 100 mill meter and maximum number one million holes by 30 to 500 seconds. (less than 0.1 mill second/hole)
- Precise hole making: Hole position accuracy<0.5micro meter hole diameter accuracy <0.5 micro meter.
- Long term stability, easy control and less downtime:
 - Unaffected from change of razor profile.
 - Easy control because of simple optical system.



Laser anneal machine for IGBT and power semiconductor



Backside Laser Annealing System for Ohmic Contact Formation on SiC

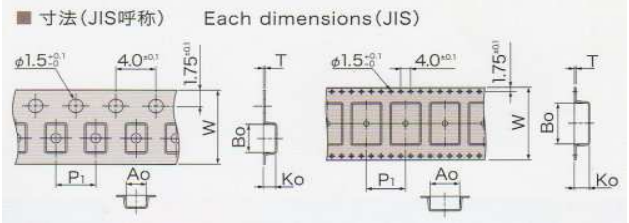
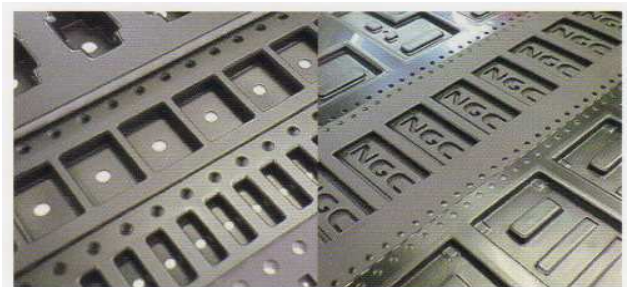


Micro multi laser drilling machine

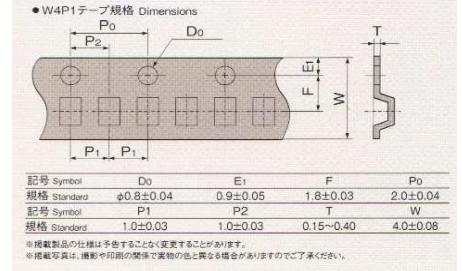
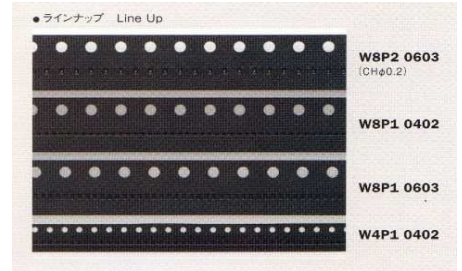
5. Major products.

(3)-4. Semiconductor embossed carrier tape related.

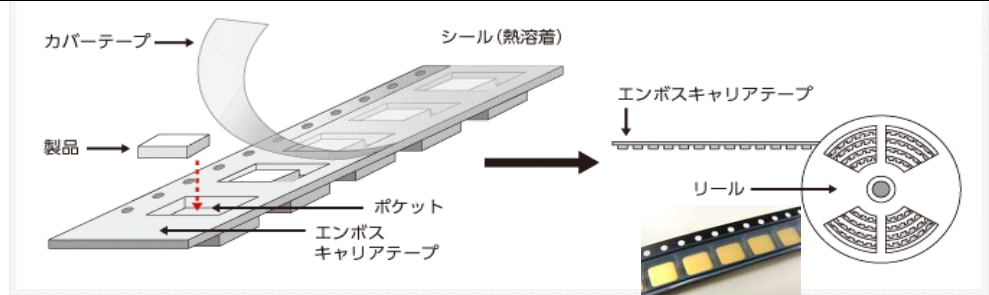
Embossed carrier tape	Packaging material for mounting of surface-mount electronic components such as condenser diode, transistor, semiconductor and LED by using automatic mounting machine.
Ultra micro and thin embossed tape	Embossed carrier tape for small (0.2 mm x 0.1 mm)and thin products (less 0.1 mm thin).
Service business	Taping service business for prototype or small lot products of electronic components by embossed carrier tape including vacuum packaging.
Peeling tester	Testing equipment for setting peel strength of sealed cover tape on emboss carrier tape properly.
Auto reel changer	Continuous operating machine which changes embossed carrier tape reel automatically, raise machine utilization and contribute for laborsaving.



Embossed carrier tape



Ultra micro and thin embossed tape



Taping service



Peeling tester



Auto reel changer

5. Major products.

(4) Photovoltaic related business.



Wet equipment for manufacturing of crystalline silicon solar cells	Butch type texturing machine Butch type and inline type isolation equipment and PSG etching equipment Plating type wiring equipment
Various type of heat treatment equipment	Vertical glass substrate heating equipment. Eva cross linkage furnace for thin film solar cell. Vertical multistage diffusion furnace Walking beam continuous drying furnace Tube diffusion furnace



Texturing equipment



ISO/PSG



Cure/Anneal furnace

5. Major products.

(5) Cleaning related business

Dress shirt pressing machines	<p>Pressing machine by using heated panel and hot air. Standard type of product functions are diversified into 3 unit such as for pressing collar & cuff, tuck & sleeve and body, but operating speed are rapid. We have another type of product which can press tuck & sleeve and body by one unit so called Body sleeve type.</p>
Wool finishers	<p>pressing equipment for jacket and pants</p>
Bagging machines	<p>The machine to bag automatically the finished item we have two type of machine, one is to bag items with dress hanger another is to bag by folding.</p>
Apparel equipment	<p>We have various type of machines which are used in the production line of making apparel such as sponging machine, fusing machine and pressing machine</p>



Body-sleeve pressing machine for dress shirts



Finisher for jacket



Finisher for pants



Bagging machine (Dress hanger type)

5. Major products.

(6)-1. Lamp & Lighting equipment

High brightness single flat LED lighting	Flood light: Sporting facilities, etc. High ceiling light: Gymnasium, factory, warehouse, big shopping facilities, etc. Special lighting: Fishing light, under water as well as ship board, agriculture light
Field emission lamp	Ultraviolet source: Generating ozone and sterilize by deep ultraviolet, UV-C.
ND emitter	Electron source for FEL, which is applicable for soft x- ray tube and electron beam.



High ceiling light



Flood light

Fishing light



Ultra violet source

5. Major products.

(6)-2. Lamp & Lighting LED & Electronics related.



LED classifier	Classifying bulk of LED after dicing process into maximum 256 groups by optical inspection and electrical characteristic test.
Taping machine	Inserting, sealing with heat and packaging classified bulk LED and electronics parts with inspecting energization, line up in one direction.
Sheet taping machine	Peeling off semiconductor or LED wafer from sheet after dicing process and inserting, sealing with heat and packaging classified bulk LED and electronics parts with inspecting energization, line up in one direction.
LED measuring machine	Mounted on LED classifier or inspecting taping machine and doing optical inspection and electrical characteristic test of LED and transmit the result to classifier or inspecting taping machine
LED alliance	We organize a LED alliance aiming to LED new market such as India and Vietnam with major LED manufacturing equipment and element makers such as Canon machinery, Musashi engineering TOWA, Toyota Gosei, Panasonic, Shin-Etsu Chemical, and Kanematsu and support new markets.



LED Classifier



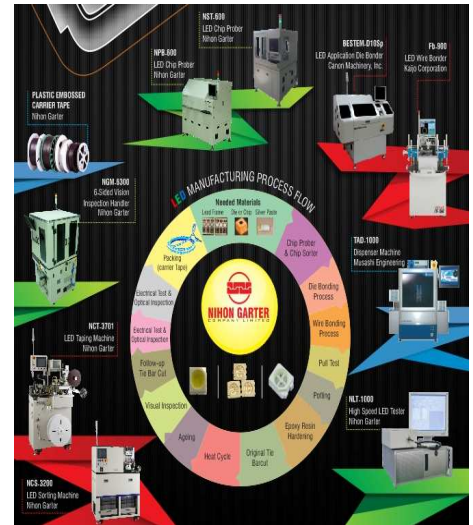
Taping machine



Sheet taping machine



LED Measuring machine



LED Alliance



5. Major products.

(7)-1. Precise heating treatment, FPD, electronics and automobile related.

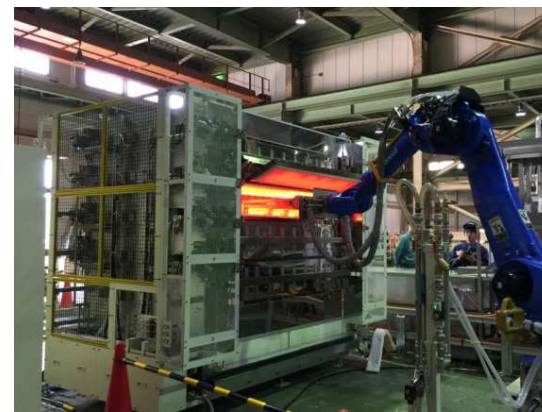
Heating equipment for Flat Panel Display (FTP)	Heating equipment for LCD panel manufacturing: MB/MS series Heating equipment for LCD and OLED panel manufacturing: MT series Hot plate type heating equipment for LCD panel manufacturing Decompression type drying equipment for LCD and OLED panel and Walking Beam type consecutive heating treatment furnace
Heating Furnace equipment for precision parts	Consecutive muffle kiln with mesh belt conveyor (Muffle), consecutive muffles kiln with mesh belt conveyor (Muffles) and various type of testing kiln for electronics parts.
Heater and other related equipment	Radiant pat heater (PD/GPD) Infrastructure unit (BD/SG) Infrastructure unit heater (PS/PU/PH/PM) another industrial heaters.
Heater for automobile parts	Furnace for automobile industry (High tension sheet steel tempering equipment) Furnace for molding and pre-heater for molding



Annealing equipment for IGZO/OLED



Consecutive muffle kiln with mesh belt conveyor



Tempering equipment for automobile high tension sheet steel.



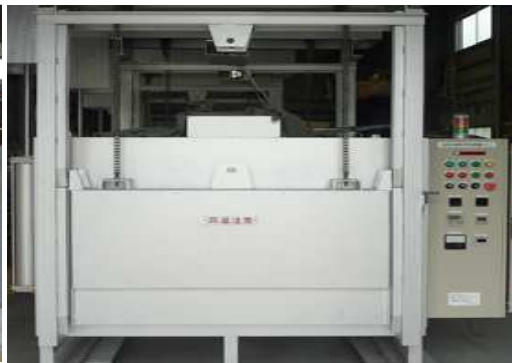
5. Major products.

(7)-2. Precise heating treatment, molding and industrial furnace related.

Mold heater for forging and casting	Die heater, DH series. Mold heater for hot forging and warm forging.
Industrial furnace, heat treatment equipment	Bogie hearth furnace, T5 T6 heat treatment furnace, Mold heater, Hardening furnace and Pit furnace.
Large forging heat treatment equipment for aircraft.	High temperature mold preheater
High speed heater	Heater for automobile power train.



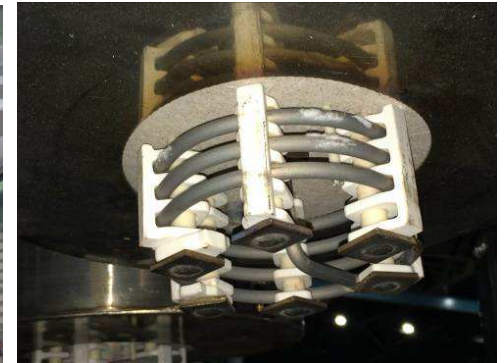
Mold heater for forging and casting



Industrial furnace heat treatment



Large forging heat treatment equipment for aircraft



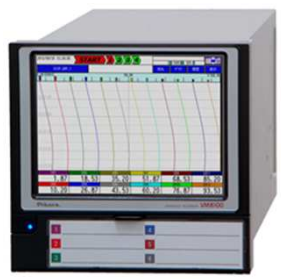
High speed heater

5. Major products.

(8) Industrial metering and telemetering and controlling related business.



<p>Industrial metering equipment</p>	<p>Utilizing metering and controlling technology, we have been contributing to wide range industrial automation from recorder and data processing systems for atomic power plant, precise temperature controlling system to environmental analytical sensor.</p>
<p>Telemetering controlling equipment</p>	<p>We have been contributing to building of social infrastructures with providing information transmitter, distance controlling monitoring system, data processing system as well as precise electric power meter and modem in order to support huge and wide range network of electricity system, city gas providing system, water and sewerage system and railway system.</p>
<p>Semiconductor</p>	<p>We have been providing vertical and horizontal diffusion furnace, diffusion controlling system as well as furnace renewal service by using own metering , controlling and censing technology cultivated as industrial metering manufacturer.</p>



Paperless recorder



Digital indicating controller
Programing controller



High bride controller



Pressure transmitter



IP-enabled information transmitter



IP-enabled information input output device



High precision transducer



Vertical diffusion furnace
Semiconductor manufacturing equipment

Industrial metering equipment

Telemetering and controlling equipment



Well, Today should be

a Fascinating and Prosperous Day, again!

Flexible High-Technology Company



Y.A.C. Co., Ltd.

The prospects described in this document is based on the information we have as of the time this document is published, and the actual result may differ from such prospects due to various unexpected factors.