



Financial year of ending Mar.31, 2015

The 1st half of year result

(The 1st quarter and the 2nd quarter total)

Nov.25, 2014



Y.A.C. Co., Ltd.

(Ticker symbol:6298)

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



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1. Summing up of interim financial results of year ending Mar.31, 2015.

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

- **Decreased income and profit against the previous correspondent period.**

○ Outstanding balance of new order received is three times of the previous one.

○ Electricity infrastructure business is going well.

○ Three new business joined to the group and business area expanded.


These will contribute to the 2nd half of this financial year.

A decorative banner at the top of the slide consists of several small images: a golden gear, a grid pattern, a sunset, a bright sun, a road, and a person in a suit.

2. Outline of consolidated interim financial results of year ending Mar.31, 2015

**.....Mr. Hiroshi Furuhashi, General Manager
Accounting Department**

2-1 Business Results

(Millions of ¥) 

	6 month ended Sep.30,2013	6 month ended Sep.30, 2014	Increase(decrease) amount against previous corresponding period	Increase(decrease) % against previous corresponding period
Net sales	8,329	6,573	(1,756)	(21.1%)
Operating income	40	(279)	(320)	(791.6%)
Operating income to net sales	0.5%	(4.3%)		
Ordinary income	82	(194)	(277)	(335.1%)
Net income	25	(169)	(194)	(763.3%)
Net income per share(¥)	2.86	(18.98)	(21.84)	—
R & D expenses	93	133	40	43.7%
New capital investment	22	36	13	58.4%
Depreciation expenses	123	138	14	11.7%

2-2 Net sales by business

(Millions of ¥) 

	6 month ended Sep.30, 2013	6 month ended Sep. 2014	Increase(decrease) amount against previous corresponding period	Increase(decrease) % against previous corresponding period
Hard disc related	298	320	22	7.4%
Liquid crystal related	5,967	3,623	(2,344)	(39.3%)
Semiconductor	125	155	30	24.0%
Photovoltaic related	374	419	45	12.0%
FEL related	0	0	0	—
Precise heat treatment related	957	502	(455)	(47.6%)
Industrial metering, telemetry and controlling related	—	1,005	1,005	—
Cleaning system related	606	549	(57)	(9.4%)
Total	8,329	6,573	(1,756)	(21.1%)

2-3 Amount of new order received by business (Millions of ¥)

	6 month ended Sep.30, 2013	6 month ended Sep. 30, 2014	Increase(decrease) amount against previous corresponding period	Increase(decrease) % against previous corresponding period
Hard disc related	563	884	320	56.8%
Liquid crystal related	1,792	1,673	(119)	(6.6%)
Semiconductor related	211	222	10	4.7%
Photovoltaic related	361	2,119	1,758	487.0%
FEL related	0	0	0	—
Precise heat treatment related	1,366	1,130	(236)	(17.3%)
Industrial metering, telemetering and controlling related	—	1,890	1,890	—
Cleaning system related	606	549	(57)	(9.4%)
Total	4,901	8,467	3,566	72.8%

* Amount of new order received on Cleaning System Business is the same amount as the sales amount. Because that Business Unit takes Make to Stock manufacturing system.

2-4 Outstanding balance of new order received by business

(Millions of ¥)



	6 month ended Sep. 30, 2013	& month ended Sep. 30, 2014	Increase(decrease) amount against previous corresponding period	Increase(decrease) % against previous corresponding period
Hard disc related	515	802	286	55.5%
Liquid crystal related	1,593	1,509	(84)	(5.3%)
Semiconductor related	114	93	(21)	(18.4%)
Photovoltaic related	230	1,912	1,682	731.3%
FEL related	0	0	—	—
Precise heat treatment related	525	3,517	2,991	569.7%
Industrial metering, telemetry and controlling related	—	1,572	1,572	—
Cleaning system related	0	0	—	—
Total	2,979	9,405	6,426	215.7%

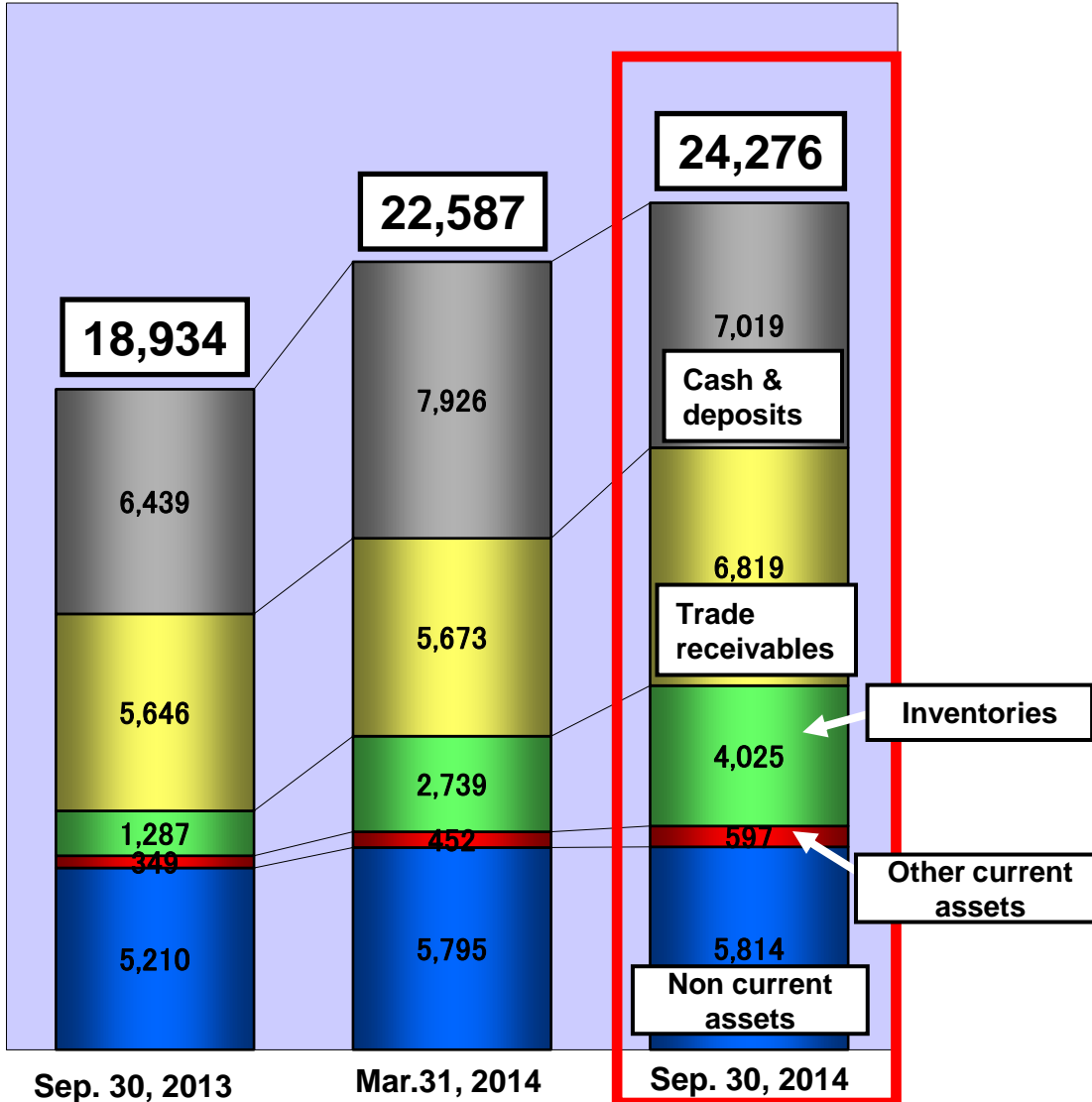
* Amount of new order received on Cleaning System Business is the same amount as the sales amount. Because that Business Unit takes Make to Stock manufacturing system.

2-5 Historical figure of B/S



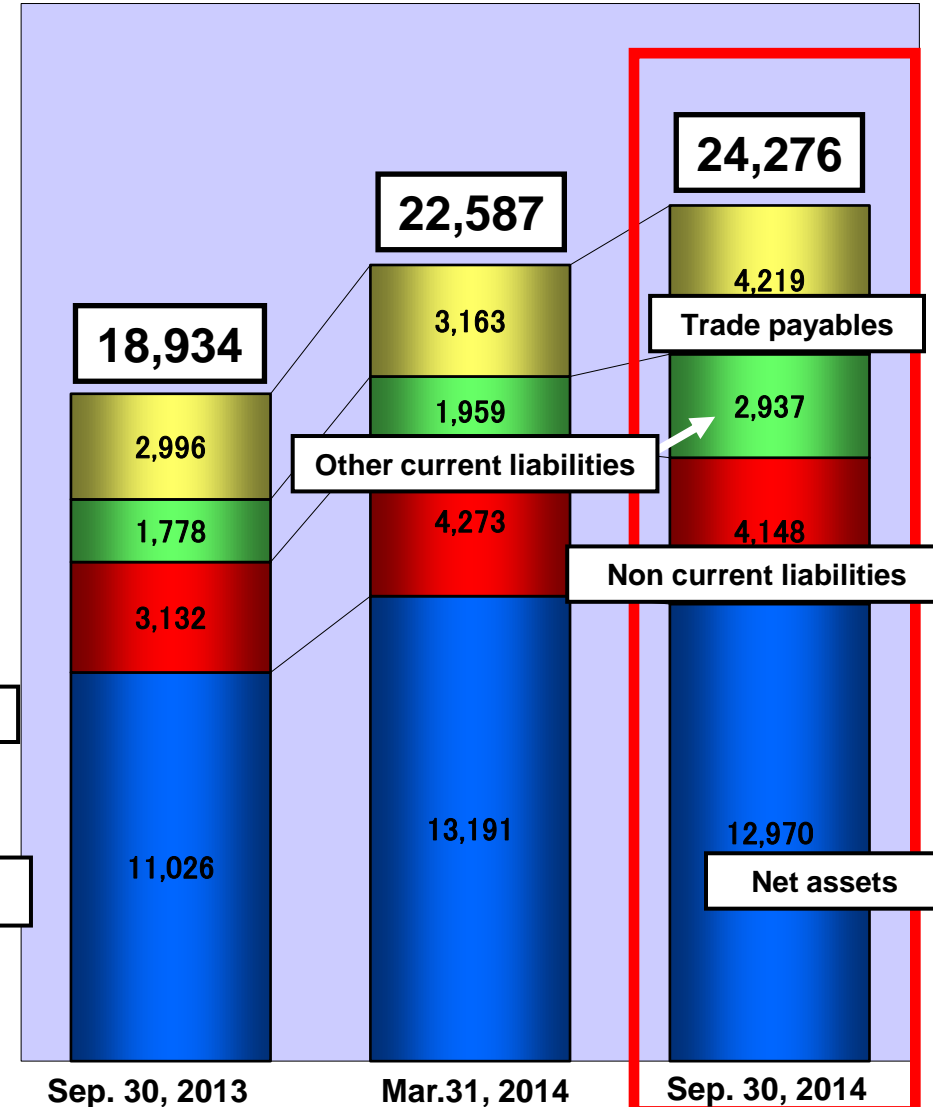
Assets

(Millions of ¥)



Liabilities & net assets

(Millions of ¥)



2-6 Summary of consolidated cash flow statements

(Millions of ¥)



	From Apr.1,2012 to Sep. 30, 2012	From Apr.1,2013 to Sep. 30, 2013	From Apr.1,2014 to Sep. 30, 2014
CF from operating activities	-1,122	-856	-1,317
CF from investment activities	-65	-830	-44
CF from financial activities	-876	-780	280
Cash & cash equivalents at end of period	6,540	6,390	6,777

A decorative banner at the top of the slide features a collage of images: a golden gear, a grid pattern, the aurora borealis, a bright sun, solar panels, and a person in a suit.

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

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

- **Big new capital investments for large liquid crystal panel will continue.**
⇒ **Focusing on selling precise heater and wet etching equipment for IGZO panel.**
- **Demand for new capital investments for infrastructure of power plant is strong.**
⇒ **Demand for industrial metering, telemetering and controlling equipment may increase.**
- **Semiconductor industry may remain strong.**
⇒ **equipment units to Increasing and expanding products line up and providing equipment unit to wet etching equipment manufacturers as well as to semiconductor manufacturers.**

- **Hard disc business require high capacity disc.
⇒ New banisher for next generation will fit for those demand.**
- **Cleaning system business competitors are expanding to world.
⇒ YAC's Manufacturing system in PRC was established and starting full operation with expecting manufacturing cost down by mas production.**

■ Net sales: ¥18,000 Million
Net profit; ¥700 Million

- ◎ **New capital investments by YAC's clients are uptrend.**
- ◎ **This year, sales will be realized mainly in the 2nd half of this year. Initial business plan of the year remains exactly as expected.**


3-3 Outlook of financial results, year ending Mar.31, 2015

(Millions of ¥)



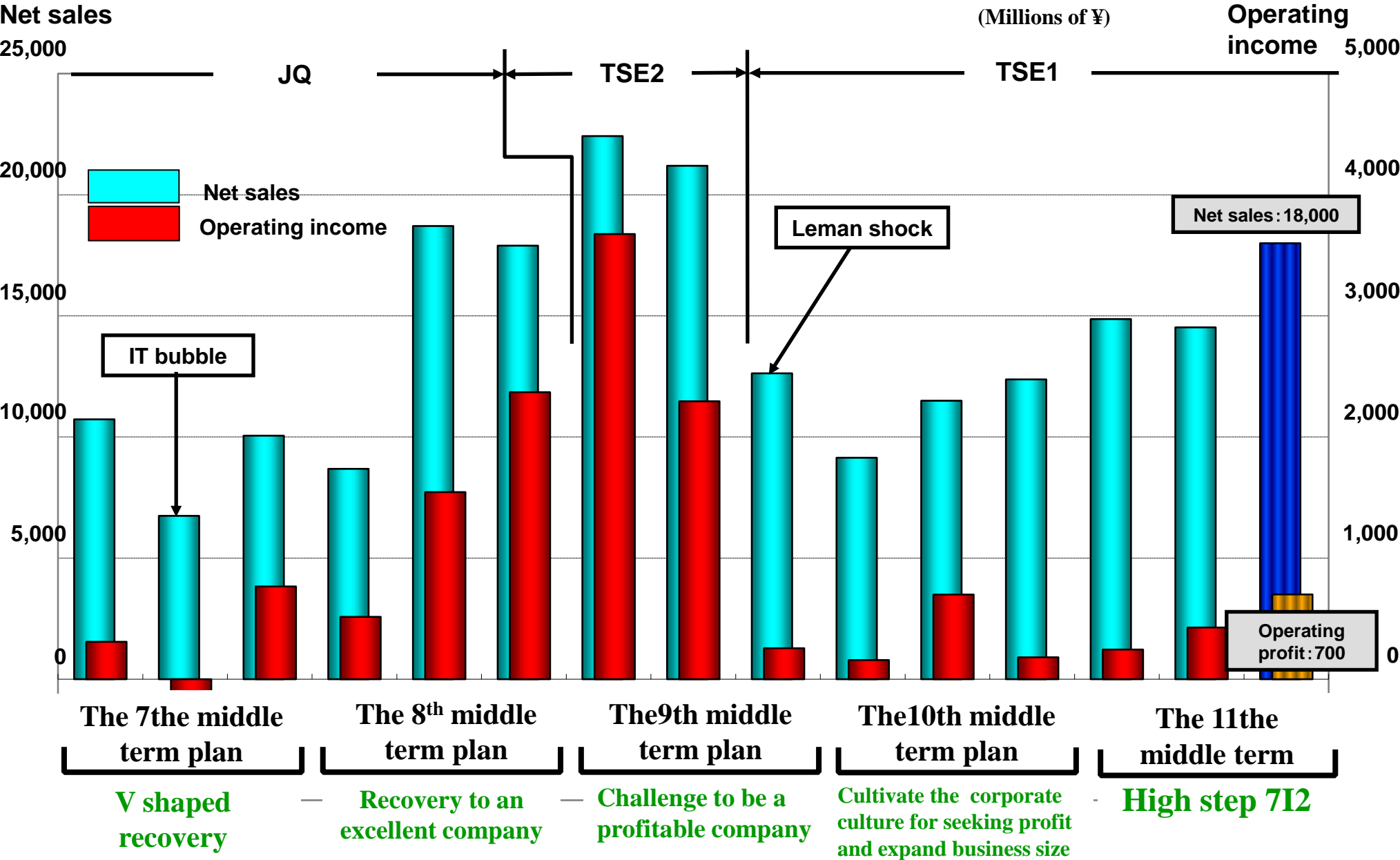
	Mar.31, 2014	Mar. 31, 2015 (Forecast)	Forecasted increase(decrease) amount against previous corresponding period	Forecasted increase(decrease) % against previous corresponding period
Net sales	14,527	18,000	3,472	23.9%
Operating income	427	700	272	63.7%
Ordinary income	546	680	134	24.4%
Net income	2,229	430	(1,799)	(80.7%)
Net income per share(¥)	250.00	48.21	—	—

3-4 Sales plan by business

(Millions of ¥) 

	Mar. 30, 2014	Mar. 30, 2015 (Forecast)	Forecasted increase(decrease) amount against previous corresponding period	Forecasted increase(decrease) % against previous corresponding period
Hard disc related	864	1,800	936	108.3%
Liquid crystal related	8,698	5,400	(3,298)	(37.9%)
Semiconductor related	667	800	133	19.9%
Photovoltaic related	993	2,300	1,307	131.6%
FEL related	2	0	(2)	(100%)
Precise heat treatment related	923	3,400	2,477	268.3%
Industrial metering, telemetry and controlling related	952	2,800	1,848	194.1%
Cleaning system related	1,424	1,500	76	5.3%
Total	14,527	18,000	3,473	23.9%

3-5Past result from Mar.31, 2001 and forecasted Mar.31, 2015



- **Penetrating into manufacturing equipment business for precision parts.**
- **Expanded semiconductor manufacturing business.**

- **Applying razor process technology to other business.**
- **Industrial robot business.**
- **Applying our own plasma technology to other business.**
- **Medical and nursing business.**

A horizontal banner at the top of the slide contains several small, square images: a golden mechanical part, a grid of solar panels, the aurora borealis, a bright sun flare, a perspective view of solar panels, and a person in a suit.

(Appendix)

Introduction of YAC

- 1. Basic information**
- 2. Special Features**
- 3. Global network**
- 4. Introduction of YAC group company**
- 5. Major products**

1. Basic Information

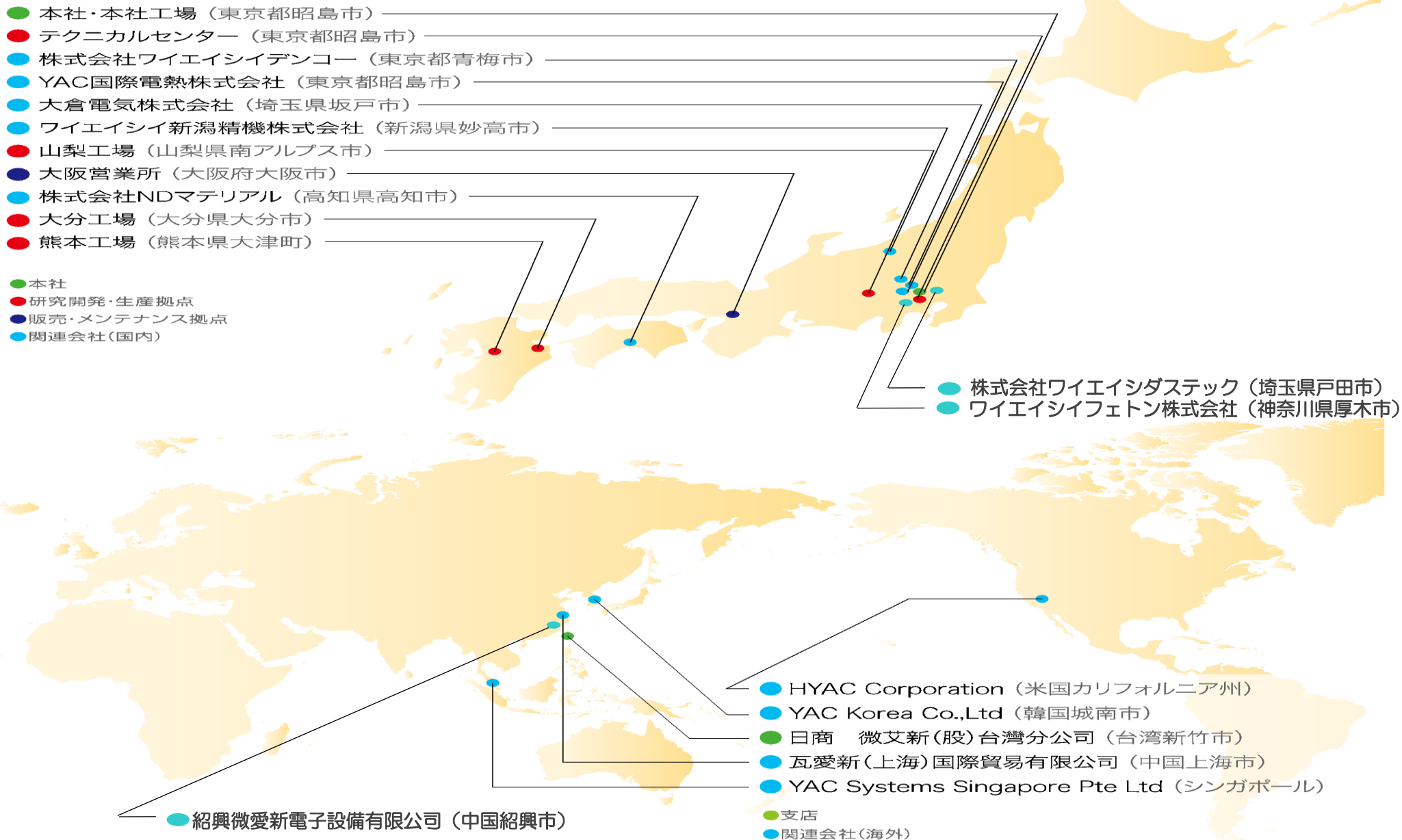


C o r p o r a t e N a m e	Y.A.C. Co., Ltd.
T i c k e r c o d e	6298 (TSE 1 st section)
E s t a b l i s h e d	May, 1973
R e p r e s e n t a t i v e	Takefumi Momose, President
O f f i c e s	Head Quarter:3-11-10 Musashino, Akishima, Tokyo Japan Sales Office :Osaka, Akishima, Shinchu (Taiwan) Factories :Akishima, 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) HYAC Corporation (California, U.S.A.) YAC Systems Singapore Pte. Lt. (Singapore) YAC KOREA CO.,LTD (Republic of Korea) YAC (Shanghai) International Trade Co., Ltd. (Shanghai, PRC) Shaoxing YAC Electronic Equipment Co., Ltd.(shaoxing,PRC)
N o n C o n s o l i d a t e d	ND Material 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 Electronics Related Equipment and Cleaning Systems
A c c o u n t C l o s i n g	March 31

- **This year, adding 2 business and diversified in 10 fields.**
- **Fables management.**
- **Challenging for M&A, acquired 12 business during past 13 years.**
- **Global enterprise focusing Asia.**

- **Penetrating into device business.**
- **All-in-one management with employee.**

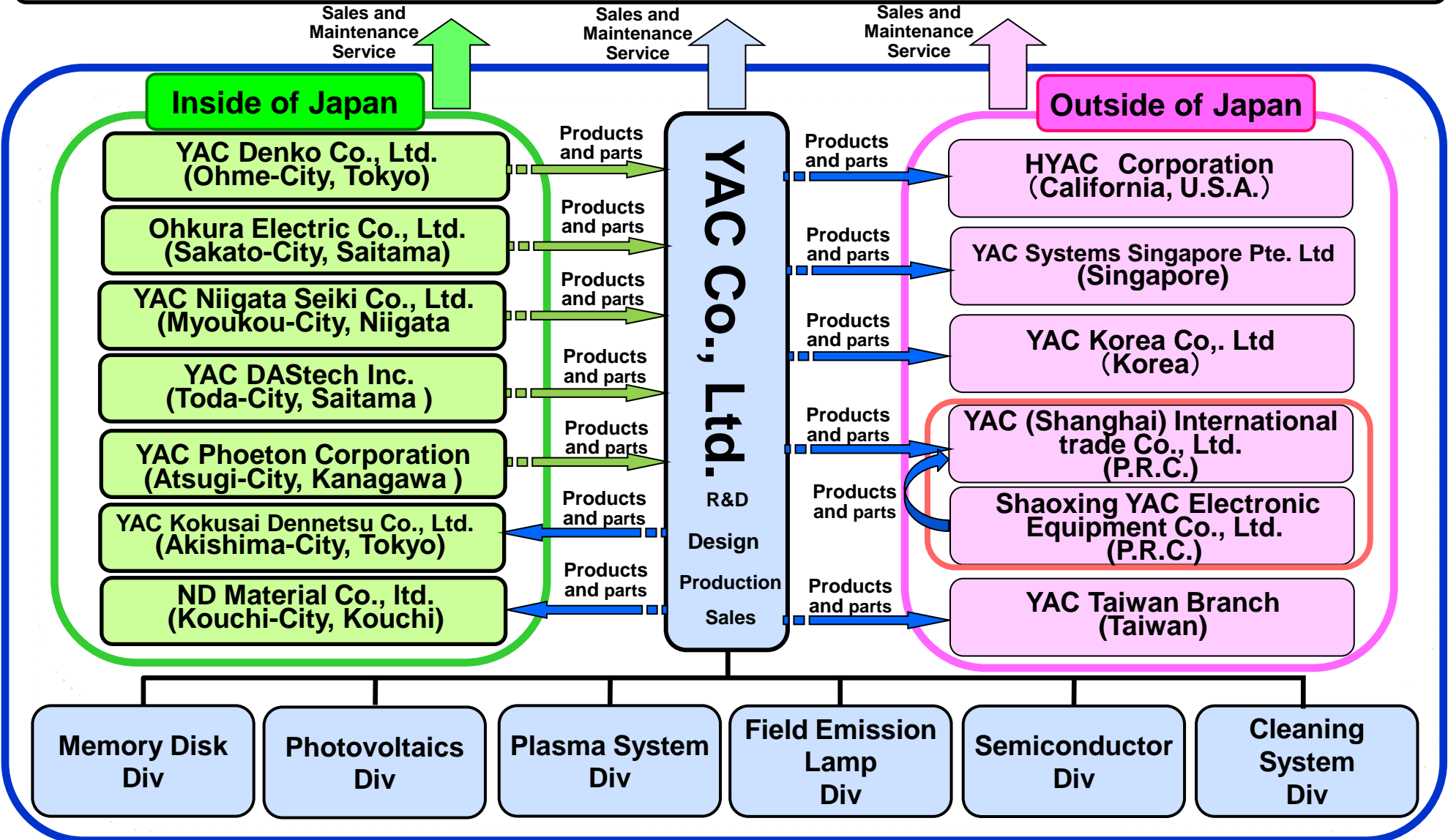
3 グローバルネットワーク



4. Functions of YAC and It's Group Companies



Clients domestic and outside of Japan



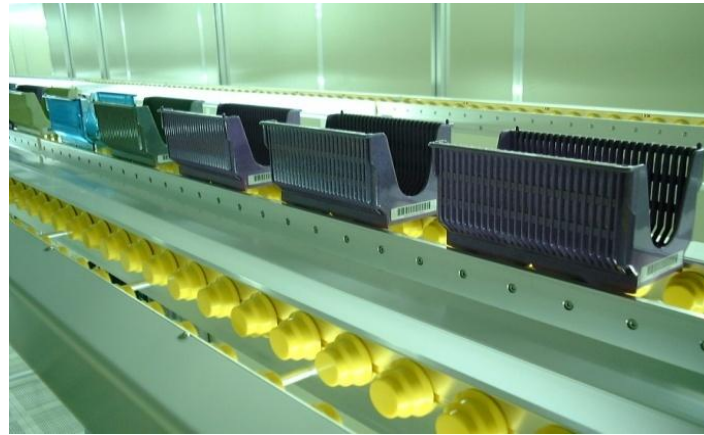
5-1 Memory disk Equipment Area



Banisher	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	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 Hard Disk Factories)	<p>The roller type clean conveyor system</p> <ul style="list-style-type: none"> - Easier line designing by module concept - Higher transport efficiency than AGV or OHT by free loading and unloading as-needed.
Clean Conveyor (for Semiconductor , Solar cell Factories)	<p>The roller type clean conveyor system</p> <ul style="list-style-type: none"> - Larger width and higher load bearing & transporting speed are required. - Semiconductor: for 300mm wafer cassette transporting, - Solar cell :for Glass Substrate or 5inch wafer cassette transporting.
Clean Conveyor (for LCD Factories)	<p>The roller type clean conveyor system</p> <ul style="list-style-type: none"> - Larger width and higher load bearing & transporting speed are required for transporting Glass. substrate cutting by panel size.



Banisher



Clean conveyor for hard disk



High speed clean conveyor for semiconductor

5-2 Flat Panel Display equipment area



Plasma Dry Etching System	<p>The equipment to generate the micro transistors which control the directions of liquid crystals in each cell. After eliminating of the area except hardened area by exposure, this equipment eliminates the exposed thin film by using plasma.</p>
Annealing	<p>Heat treatment equipment which improve the film quality. YHR series is RTA equipment indispensable to the highly minute panel production which targeted the future LTPS smart phone. This equipment keeps performance that suitable for mass production of highly minute panel, LTPS, and will further contribute to improvement of smart phone.</p>
Desk top plasma ashing system (PACK)	<p>YAC has developed the first batch type Ashing System using the plasma technology in ashing process for semiconductors in Japan. Thereafter YAC has been offering manufacturing process technique, which is used in surface reforming and in the field of sterilization. The PACK series is the desk top model, which a pump and the RF Gen. are packable in an special rack</p>



Plasma Dry Etching System



Annealing system



Desk top plasma ashing (Pack series)

5-3 Semiconductor manufacturing



IC Test Handler (For logic IC)	<p>The equipment to make automatic sorting based on the test result signal from the tester in the IC testing process. It also makes high or low temperature testing environment (-55 deg. C. to 155 deg. C.) as the occasion demands.</p>
Pogo pin exchange equipment	<p>Labor save equipment which exchanges pogo pin automatically</p>
Wet etching and related equipment	<ul style="list-style-type: none"> ▪Wet cleaning equipment: Wet etching, Resist removal, Nitride etching ▪Semiconductor manufacturing peripheral equipment: Quarts tube cleaner, Various type of vault, Chemical supply unit ▪Equipment for R&D: Manual operating equipment, Fume cupboard, Scrubber ▪Related parts cleaner: Degreasing cleaner



C912: Capability of tri-temp testing and the best for R&D

Pogo pin exchange equipment

**A/H343 : Simultaneously testing of 4 units
Normal temperature to high temperature
Low vibrating and low dust**



Quarts tube cleaner

Manual operating equipment

Quarts tube vault

5-4 Photovoltaic equipment



PV (mono crystal and multi-crystalline) manufacturing equipment

Whole line for Mono-crystal and Multi-crystalline type of solar cells with in-line system and batch system

Features

- Texturing Batch system and in-line system
- Diffusion Furnace P-coating equipment/tube (batch) type/in-line equipment
- PSG(ISO) Batch type and in-line type equipment
- Antireflection film forming PECVD
- Circuit Printing Screen printer/Drying Oven
- Circuit forming Baking furnace
- Other related equipment



Texturing



PSG/ISO



Cleaning

5-5 Field Emission Lamp Div



Manufacturing of nano-diamond thin film

We developed emitter which is coated by nano-diamond film on the surface of metallic materials

Features of FEL

- Different as previous fluoresce light, non toxic substance like mercury / lead.
- Compare with a LED lamp it is very high energy efficiency and does not require cooling.
- long life
- Flexible control of light wave length and color mixture. Less generate heat compare with fluoresce light and LED.



Prototype product



Prototype product



Emission photograph

5-6 Precise Heating Treatment Equipment

<p>Heating equipment for Flat Panel Display (FTP)</p>	<p>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</p>
<p>PV related equipment</p>	<p>Vertical glass heating furnace, EVA bridge furnace for thin film type of solar cell, walking beam type continuous drying furnace and vertical multistage diffusion furnace.</p>
<p>Heating Furnace equipment for precision parts</p>	<p>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.</p>
<p>Heater and other related equipment</p>	<p>Radiant pat heater (PD/GPD) Infrastructure unit (BD/SG) Infrastructure unit heater (PS/PU/PH/PM) another industrial heaters.</p>
<p>Heater for automobile parts</p>	<p>Furnace for automobile industry (High tension sheet steel tempering equipment) Furnace for molding and pre-heater for molding</p>



Annealing for IGZO,OLED



Various type of heater



Tempering equipment for high tension sheet steel
Roller-Heater type



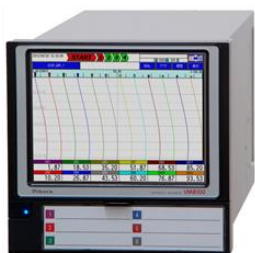
Vertical heater

5-7 Industrial metering, telemetering and controlling equipment



Industrial metering equipment	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.
Telemetering controlling equipment	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.
Semiconductor	We have been providing vertical and horizontal diffusion furnace, diffusion controlling system as well as furnace renewal service by using own metering , controlling and censoring technology cultivated as industrial metering manufacturer.

Industrial metering equipment



Paperless recorder



Digital indicating controller
Programming controller



High bride controller



Pressure transmitter



IP-enabled information transmitter
Telemetering and controlling equipment



IP-enabled information
input output device



High precision transducer

Semiconductor manufacturing equipment



Vertical diffusion furnace

5-8 Precise dicing saw related business



Full automatic 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, which is the cutting way of old fashioned slicer.
Slicing and Dicing machine	Automatic θ -AXIS, having automatic alignment function
Full automatic core drilling equipment	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 and full automatic.
Regeneration and resale business	We purchase secondhand dicing equipment, cutting equipment and semiconductor manufacturing equipment and repair and resell. We do every process by our pun factory.



DFS1100
Full automatic slicer



DAS110
Slicing & dicing machine
<Freeze and fixing cut>



DAR810
Full automatic core drilling machine

5-9 Razor process related equipment



<p>Razor</p>	<p>○Razor anneal machine for IGBT and power semiconductor</p> <ul style="list-style-type: none"> •Heat treated on only back side and no heat damage to surface. •Controllable the anneal depth from 1 to 10 micro meter by 2 wavelengths razor anneal. •High throughput was realized by combination of continuously oscillating razor and turn table.
<p>Multipurpose micro razor drilling machine</p>	<p>○Ultra precise hole making : Making diameter 15 to 50 micrometer hole.</p> <p>○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)</p> <p>○Precise hole making: Hole position accuracy<0.5micro meter hole diameter accuracy <0.5 micro meter.</p> <p>○Long term stability, easy control and less downtime :</p> <ul style="list-style-type: none"> •Unaffected from change of razor profile. •Easy control because of simple optical system.
<p>Razor etching machine</p>	<p>○Razor thin film etching system for small lot production : Suitable for small lot production and R&D purpose patterning of a-Si for voltaic panel, metal thin film or transparent conductive film for display panel.</p> <p>○Razor thin film etching system for large area : Suitable for patterning of a-Si for large voltaic panel, transparent conductive film.</p>



Razor anneal machine for IGBT and power semiconductor



Multipurpose micro razor drilling machine



Razor etching machine

5-10 Cleaning system equipment



<p>Dress shirt pressing machines</p>	<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>
<p>Wool finishers</p>	<p>pressing equipment for jacket and pants</p>
<p>Bagging machines</p>	<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>
<p>apparel equipment</p>	<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>



**Bagging machine
(Dress hanger type)**



Body-sleeve pressing machine for dress shirts



Finisher for jacket



Finisher for pants



Well, Today should be 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.