

Company Profile

SurplusGLOBAL

#1 in Pre-owned Equipment Solutions



➤ **Successfully provided over 20,000 equipment since 2000!**

Establishment

March 28, 2000

CEO

Bruce Kim

Colleagues

60+ (30+ Sales force)

Inventory

1,000 Tools

Facilities

32,000 M² * Clean Room, Refurbishment Bay, Air-controlled space

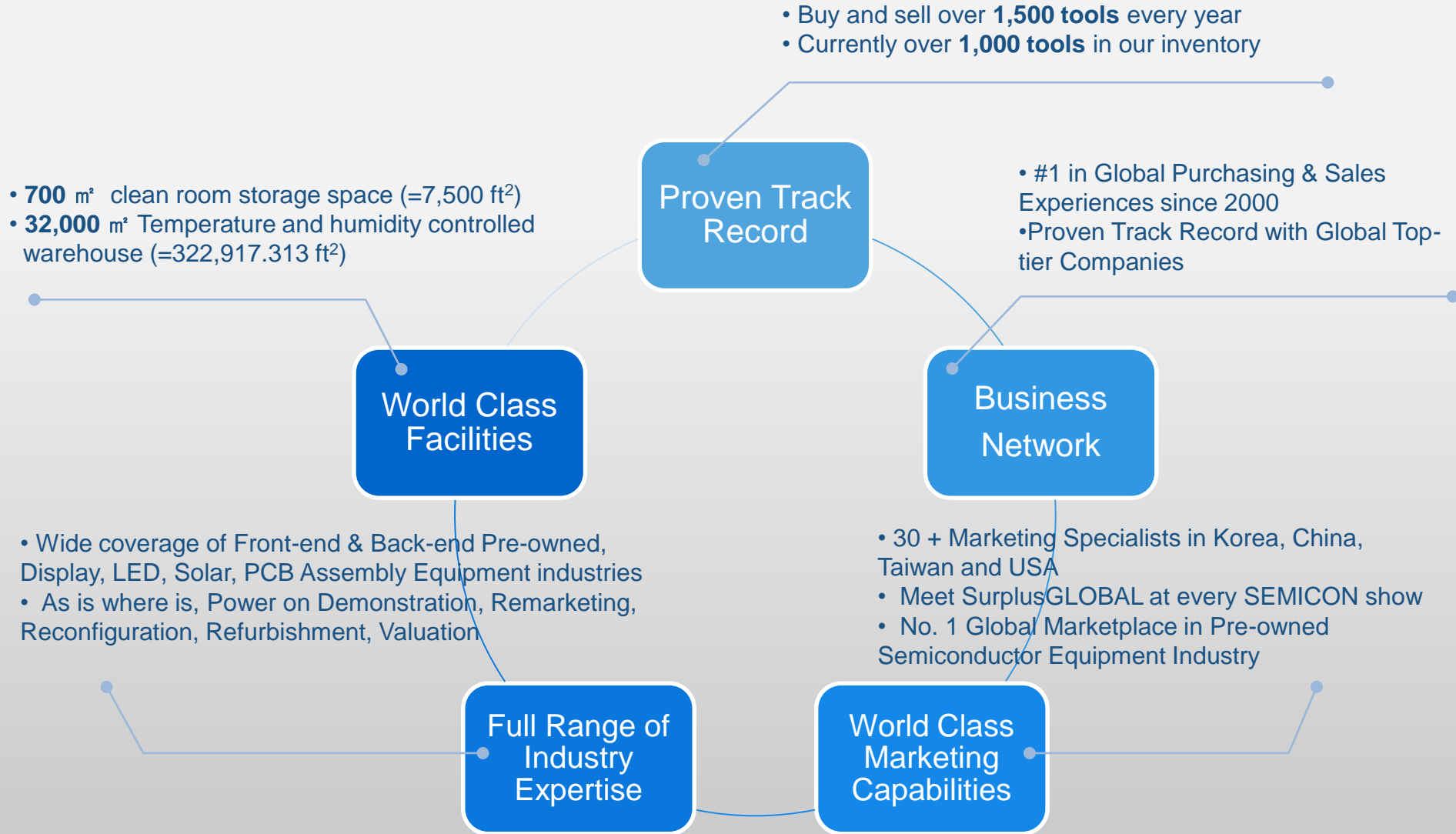
Business Scope

Pre-owned Semiconductor Equipment Sales & Purchasing, Purchasing entire manufacturing line, Remarketing Solution, Power on Demonstration, Global Sourcing Service, Reconfiguration ,Refurbishment, Fab Consulting, Logistics Solutions, Warehouse Solutions, Equipment Rental, Shared Fab

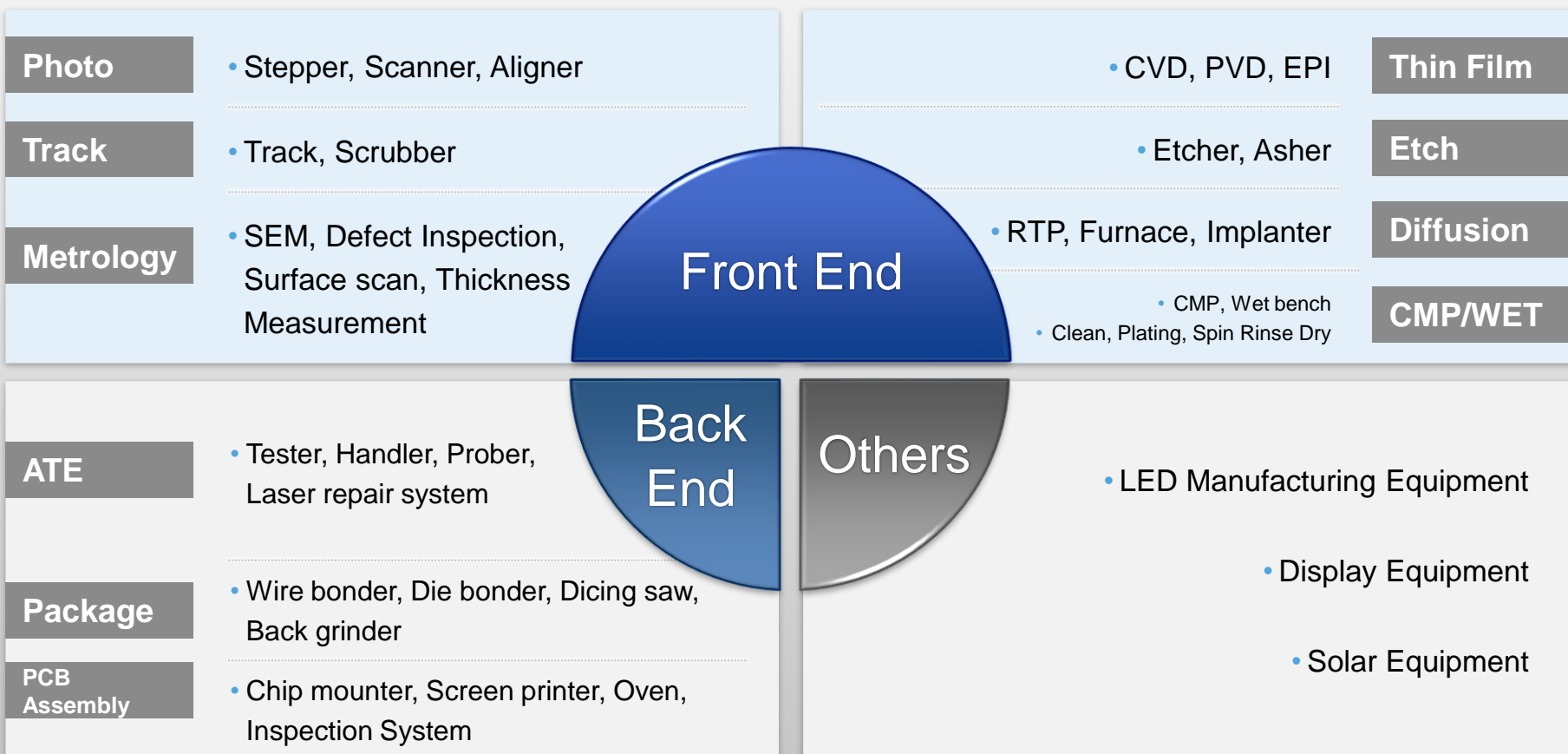
Online Marketplace

www.SurplusGLOBAL.com

Why SurplusGLOBAL?



➤ Full Line-Up from Front End to Back End!



Equipment Sales & Purchasing

- Advisory, Appraisal and Fab Consulting
- As is where is Sales
- Trade-In
- Purchasing Entire Manufacturing Lines
- Global Sourcing Service
- Remarketing and Auction
- Marketplace

Technical Service

- Deinstallation & Relocation
- Decontamination & Environment Compliance
- Power on Demonstration
- Reconfiguration
- Refurbishment

Logistics

- Logistics Solutions
- Export Compliance
- Equipment Financing
- Shared Fab Service



- **Advantages of SurplusGLOBAL Equipment Appraisal & Valuation Services**

For world top-tier semiconductor manufacturers and financial companies searching for appraisals and valuations, SurplusGLOBAL delivers expertise, accuracy, and world-class appraisal and valuation services. SurplusGLOBAL possesses 20 years accumulated databases of real transaction results in SEMI industries. Our world-class services and experienced 30+ specialists provide Fair Market Value (FMV) you can trust.

- **Types of Equipment Appraisals**

Desktop Appraisal Report – Based on customer-provided information, such as process, manufacturer, model, serial number, original cost, purchase date, and condition of the equipment. The report is as accurate as the information provided.

Onsite Appraisal Report – Based on appraiser-gathered information and customer-provided information, the report is the result of the appraisal specialist's inspection of the equipment and collection of the relevant data.

● Price Database and Technical Knowledge

SurplusGLOBAL has 20year accumulated data and insight into Pre-owned Semiconductor equipment values.

- With our 30+ Semiconductor product specialists and regional specialists, SurplusGLOBAL provides Pre-owned Semiconductor equipment solutions. Through extensive experience and know-how and global network, we offer customers with exact needs on selection of Pre-owned equipment such as buy & sell, inspection, logistics and finance.
- Over the past 20 years, we have provided trustable value analysis on pre-owned equipment to global semiconductor companies and financial institutions.
- Customers who want to construct Fabs with pre-owned semiconductor equipment, we support our customers with minimal investment at the right timing through SurplusGLOBAL's global sourcing network.
- We offer integrated solutions to our customers such as pre-owned equipment purchasing plan, recommendation, purchasing, de-installation, logistics and installation.
- Proven Track record of extensive cost saving on investment up to 30% to our domestic and overseas customers

- **As is where is Sales & Purchase**

SurplusGLOBAL is No.1 pre-owned semiconductor equipment dealer with the largest number of equipment in the world. We, SurplusGLOBAL, have more than 1,000 pre-owned semiconductor equipment from Scanners to Testers, and we buy and sell more than 1,500 pre-owned semiconductor equipment, LED, Display, and Solar equipment annually. You can purchase more than 1,000 pre-owned semiconductor equipment directly by visiting our warehouse of 26,500 square meters located in Osan, Gyeonggi-do, Korea. We are also one of the largest pre-owned semiconductor equipment buyers in the world purchasing more than \$100 million equipment every year.

- **Trade-In**

When customers are ready to purchase an upgraded system to replace an existing process tool, we can help you reduce your financial burden. Through this program, we can help minimize your capital expenditure by monetizing your current idle assets.

● Remarketing and Auction

SurplusGLOBAL is a world leader in providing re-marketing services to global semiconductor companies and financial institutions to maximize the value of their assets and also minimize human resources. SurplusGLOBAL provides the best extensive re-marketing service based on our 20year experiences, 30+ leading marketing experts, largest marketplace in semiconductor pre-owned equipment market, verified reliability, wide range of language services, export compliance together with worldwide logistics experience. Furthermore, SurplusGLOBAL provides online and offline auction with global customer base and Consignment Services with equipment storage solutions that ensure customer's equipment are organized, secure and showcased at our facilities.

● Marketplace

More than 500 buyers visit the Online Marketplace of SurplusGLOBAL daily, the world's largest pre-owned semiconductor equipment marketplace. A total of more than 2,000 different pre-owned semiconductor equipment, including self-owned and remarketing equipment, can be purchased directly from SurplusGLOBAL Online Marketplace. For Offline Marketplace, there are warehouses of 30,000 square meters in total, located near Osan, Korea, where thousands of companies visit every year to purchase pre-owned equipment from all over the world. Online & Offline Marketplace is available for customers who assign SurplusGLOBAL a remarketing or consignment agent.

● Global Sourcing Service

- We provide competitive sourcing services based on our 30+ leading marketing experts from Korea, USA, China and Taiwan and in result, we accumulated more than 20,000 equipment purchasing over the past 20 years.
- We track the worldwide pre-owned equipment market on a daily basis and we can promptly support our customer's requirements and recommend available equipment.
- We help our customers reduce their investment cost by providing not only current Pre-owned Semiconductor equipment market information, but also anticipating the future supply to recommend investment timing, investment cost, equipment recommendation and alternatives.
- Top-tier Capabilities in De-installation, Relocation, Crating, Logistics, Storage, Safety Control, and Export Compliance

● Power on Demonstration

- Minimizing the purchasing risk by providing 'Power-on Demonstration' of the high value Pre-owned Semiconductor equipment such as Steppers, Scanners and Metrology tools. Customers can check the equipment condition before purchasing at our own 700 square meter cleanroom and 3,300 square meter refurbishment bay.
- Changing existing configurations to the required configurations by sourcing available equipment, parts, and services in the Pre-owned equipment market.
- Performing refurbishment services by replacing used, consumable and cleaning parts before we reassemble and testing the equipment. Equipment set-up and warranty solutions are also available.

● Reconfiguration

Changing existing configurations to the required configurations by sourcing available equipment, parts, and services in the Pre-owned equipment market.

● Refurbishment

Performing refurbishment services by replacing used, consumable and cleaning parts before we reassemble and testing the equipment. Equipment set-up and warranty solutions are also available.

● Logistics Solutions

We provide best logistics solutions to our customers through 20 years of extensive experience and know-how on rigging, crating, delivery and storage of more than 20,000 equipment including Scanner, Stepper, PVD, CVD, Etch and back-end semiconductor equipment.

- Based on the extensive experience and know-how of Logistics Supply Chain Management for dismantling more than 3,000 units per year and providing semiconductor pre- and post-processing equipment, we provide optimized logistics solutions to our customers at competitive price.

- We provide one-stop service including import / export procedures, transfer of precision equipment, special packaging of semiconductor equipment, and special transportation by minimizing the risk of transporting semiconductor equipment.

- We provide humidity and temperature controlled warehouse (32,000m² scale), Refurbishment infrastructure, clean room facility for precision semiconductor equipment.

- Based on many years of experience with worldwide major semiconductor fab companies, we have know-how on import and export Documentation (Regulation and CCIC, strategic material regulation, approval of import and export of radiation generating devices)

● Equipment Financing

SurplusGLOBAL provides wide range of financial services including rental, lease, and sales & leaseback on entire fab acquisition or individual equipment purchase to our customers through worldwide collaboration with Financial institutions. We also connect our customers with financial services on other industry including real estate.

● Rental

We provide short term rental services to whom only want to utilize the equipment short period. Lease service is also available to customers with our global lease partners.

- Program available for the customers who want to utilize the equipment for short terms without purchasing the equipment or want to minimize the initial investment on equipment purchasing
- Flexible Terms and Conditions depending on customer's specific needs.
- Return Back or Buy Out Option after termination of rental period
- Lease service through global lease partners

● Shared FAB (Test bed)

We provide short term rental services for both Cleanroom utilization and Semiconductor Equipment with Partial Investment.

- Full coverage of Utilities (PCW, CDA, DI, N2, Vacuum, etc.)
- Provision of customized Clean Room facility (FFU /100~10,000 Class)
- Flexible space to fit for the purpose of use
- Temperature and Humidity Control System ($24 \pm 1^{\circ}\text{C}$ / Humidity $45 \pm 5\%$)

➤ Proven Track Record with Global Top Tier Companies!



Service Differentiation

End to End Service

- Equipment Acquisition & Sales : As Is where Is, Power On Demo.
- Technical Service : Reconfiguration, Refurbishment

Total Solution

- Full coverage of Front End, Back End, Display, LED
- Business Network, Global Marketing capability, Best in Class Facility

➤ 4 Sites and 5 Offices in Korea, China, Taiwan and the USA



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2nd Depot 245, Dongbu-daero, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Korea

3rd Depot 52-7, Soowolam 4 Gil, Seotan-myeon, Pyeongtaek-si, Gyeonggi-do, Korea

4th Depot 85, Cheondeoksan-ro 74beon-gil, Namsa-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea



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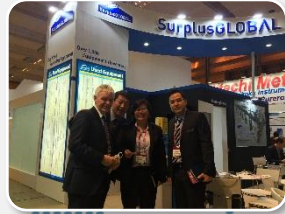
Tel: +1-490-225-3619

World Class Facility

- 32,000m² of the world's largest depot
- Air and Humidity controlled Depot & 700 m² of Clean Room



Meet SurplusGLOBAL at every SEMICON Show



Solid State TECHNOLOGY

Insights for Electronics Manufacturing

HOME SEMICONDUCTORS PACKAGING MEMS LEDS DISPLAYS

Growing opportunities in the Asian secondary semiconductor equipment market

SurplusGLOBAL, Inc. participated in Semicon West 2013. SurplusGLOBAL CEO, Bruce Kim forecasted the increase in demand in the Asia Secondary Equipment Market.

Bruce Kim, CEO of SurplusGLOBAL, has participated in Semicon West for the past 7 years and stated, "We are more optimistic about the growth in the Asian Secondary Semiconductor Equipment Market in the years to come."

VIRTUAL-STRATEGYMAGAZINE

World's Largest Used Semiconductor Equipment Display Store

Wednesday, September 4th 2013

SurplusGLOBAL opens a 11,900 square-meter showroom with over 500 units of semiconductor equipment in Osan, South Korea.

San Jose, CA (PRWEB) September 04, 2013

On September 4, 2013, SurplusGLOBAL, a global leader in the secondary equipment market, has started to sell about five hundred units of used semiconductor equipment after opening the largest used semiconductor equipment depot. This depot measures 11,900 square-meters, is temperature and humidity controlled, and is located in Osan, South Korea.

【今日のCEO】김정중 서플러스글로벌 대표

가능 기업만이 사회 환원도 가능

서플러스글로벌 김 대표의 인터뷰. 그는 반도체 장비 시장의 성장에 대해 낙관적이며, 특히 아시아 시장의 잠재력을 강조했습니다. 그는 또한 기업의 사회적 책임을 중요시하며, 고객과 직원 모두를 위한 가치를 창출하는 데 중점을 두고 있습니다.

THE SEMICONDUCTOR INDUSTRY NEWS

半導体産業新聞

▽サープラスグローバル構築目指す

半導体産業の再興を牽引する「サープラスグローバル」が、アジア市場を重点的に展開している。同社は、半導体製造設備の二次市場をリードする企業として、アジア各国で積極的に事業展開を進めている。特に韓国、中国、台湾、東南アジアなどの市場に注力しており、これらの地域での需要増大を期待している。

THE WALL STREET JOURNAL

AWEEK FOR 2 WEEKS

WSJ Asia

Veeco Introduces New Brokerage Website to Facilitate the Buying and Selling of Pre-Owned Equipment

PLANNET, N.Y. (BUSINESS WIRE) - July 07, 2014 -

Veeco Instruments Inc. (Nasdaq: VECO) introduced today the Veeco Marketplace(TM) website, an original equipment manufacturer (OEM) brokerage website that helps both buyers and sellers determine fair prices for pre-owned Veeco organic chemical vapor deposition (MOCVD), physical vapor deposition (PVD) and Ion Beam Etch (IBE) equipment. The site will also feature assets from Veeco Certified Partners, such as SurplusGLOBAL, Inc., a leader in the secondary equipment market, to further expand the inventory levels of ready-to-purchase used equipment.

全球半导体发布2013年二手半导体设备市场预测

2013-2014 预测 来源: 全球半导体网

全球半导体网 (GlobalSemiconductor.com) 发布了《2013年二手半导体设备市场预测报告》。报告指出，随着全球半导体行业复苏，二手设备市场将保持强劲增长。预计2013年全球二手设备市场规模将达到约30亿美元，同比增长约15%。报告还详细分析了不同地区、不同设备类型的市场表现，并提供了未来几年的市场展望。

SurplusGLOBAL is the largest facility which stores and sells used semiconductor equipment in the world.

SurplusGLOBAL encourages customers to visit the showroom which is sorted by process and tool types. It has over 300 different kinds of semiconductor equipment from ten countries such as the US, Japan, Korea, Europe and China.

facility in Korea measures approximately 28,000 square meters and is temperature and humidity controlled storage and SurplusGLOBAL has displayed and sold more than \$2 billion of assets on the basis of the new facility. The facility is located in Osan, South Korea.

半導体製造

最新技術の半導体製造設備を展示

本展示は、最新の半導体製造技術と設備を紹介しています。包括的な半導体製造プロセスの各段階にわたって、最先端の製造設備を展示しています。また、最新の半導体材料とプロセス技術についても詳しく説明しています。ご来場いただき、最新の半導体製造技術をご覧ください。

ANSU 金正雄氏 中古装置業界トップクラスの韓国企業

ANSU (ANSU Engineering) is a leading Korean company in the secondary semiconductor equipment market. Under the leadership of CEO Kim Jung-woong, the company has established a strong reputation for providing high-quality used equipment to global customers. The company's extensive inventory includes a wide range of semiconductor manufacturing equipment, ensuring that customers can find the exact equipment they need for their production lines.

ASIA TODAY MENASOL 2013

5th Middle East & North Africa Solar Conference & Expo

14-15 May, Dubai CSP & PV conferences in 1 event

2013 Secondary Semiconductor Equipment Market Trends in Asia

Category: Electronics & Semiconductors PIV News
Type: Feature Stories, Semiconductor Industry

The size of the secondary equipment market is estimated to be greater than \$30 billion.

May 7, 2013 - Today the Semiconductor industry market is divided. Firstly we have advancements in wafer size and a focus on next generation product and secondly, a focus on cost reduction in mature technologies which is leading to an increased demand of secondary equipment in the LED, PVI(Photovoltaic) and MEMS manufacturing markets.

SurplusGLOBAL, Inc. the leader in the secondary semiconductor equipment market, participated in the SEMICON Singapore 2013.



[3min Edition](#)

[English](#)

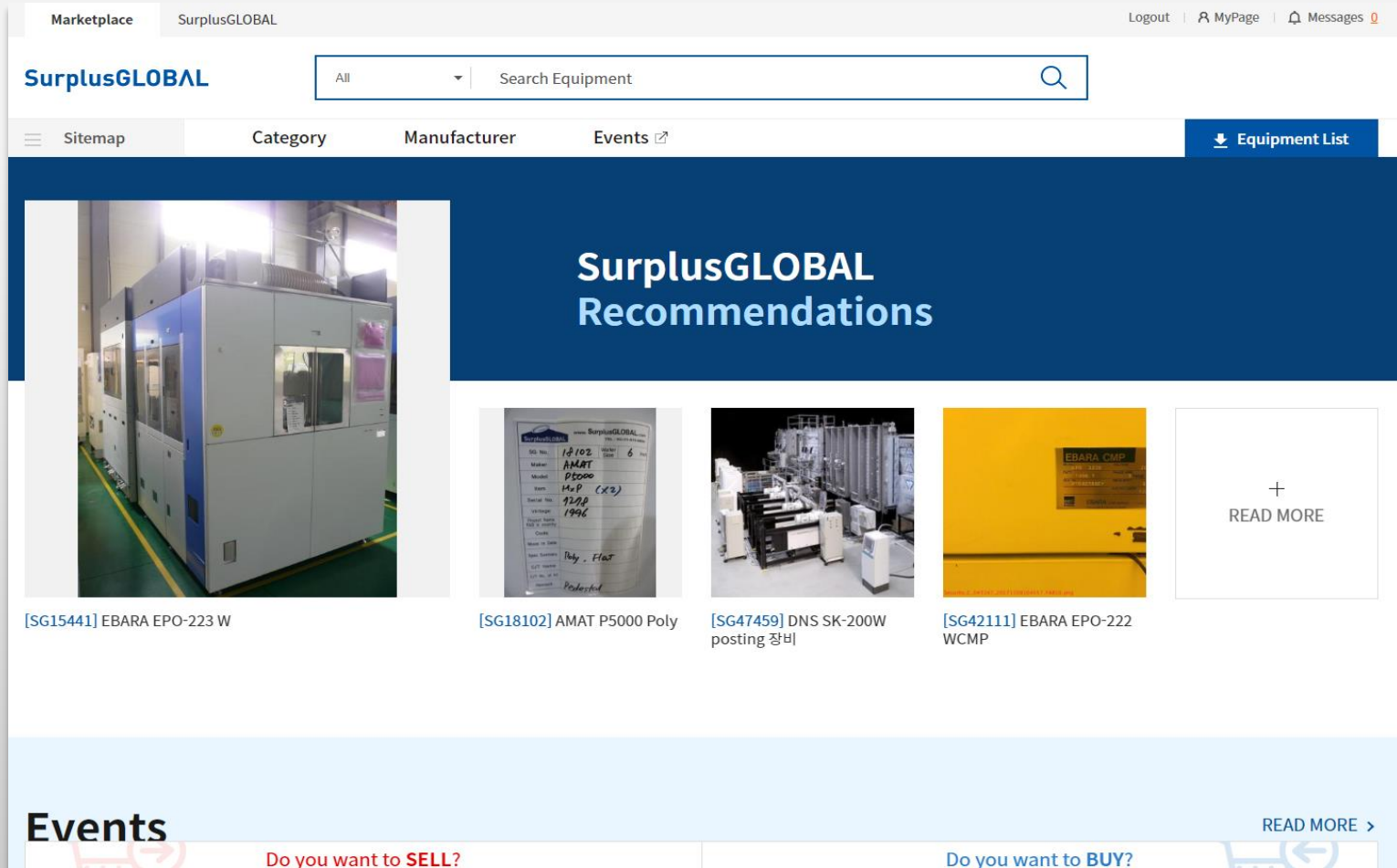
[Korean](#)

[Chinese](#)

[Japanese](#)

[Taiwanese](#)

➤ The latest tool information on SurplusGLOBAL.com



The screenshot displays the SurplusGLOBAL website interface. At the top, there is a navigation bar with 'Marketplace' and 'SurplusGLOBAL' on the left, and 'Logout', 'MyPage', and 'Messages' on the right. Below this is a search bar with a dropdown menu set to 'All' and a search icon. A secondary navigation bar includes 'Sitemap', 'Category', 'Manufacturer', 'Events', and a blue button labeled 'Equipment List'. The main content area features a large blue banner with the text 'SurplusGLOBAL Recommendations'. Below the banner are four equipment listings, each with a thumbnail image and a caption: [SG15441] EBARA EPO-223 W, [SG18102] AMAT P5000 Poly, [SG47459] DNS SK-200W posting 장비, and [SG42111] EBARA EPO-222 WCMP. A '+ READ MORE' button is positioned to the right of these listings. At the bottom, there is an 'Events' section with two buttons: 'Do you want to SELL?' and 'Do you want to BUY?'. A 'READ MORE >' link is also present in the bottom right corner.

➤ Over A CENTURY of MGMT's combined Experience !



CEO
Bruce Kim

Representative of SurplusGLOBAL

was selected as one of the 500 Entrepreneurs representing Korea by MaeYoung Newspaper in 2014



COO
James Park

Head of Global Operation

EVP of America & Europe sales region



USA
Emerald Greig

General Manager of China sales region



China
Jonathan Shang

Director of Taiwan sales region



Taiwan
Damian Chen

ISO 9001 Quality Management

ISO 14001 Environmental Management

Quality Management System

CERTIFICATE OF REGISTRATION

Quality Management System

SurplusGLOBAL Inc.
#78-26, Gyeonggi-daero, Osan-si, Gyeonggi-do, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard:

KS Q ISO 9001:2015 / ISO 9001:2015

This certificate is valid for the following product or service ranges:

Production, Management and Service of Semiconductor Equipment

Certificate NO. : QSC3553
Valid Until Date : 12-November-2020
Certificate Issue Date : 13-November-2017
Original Certificate Date : 13-November-2017

 **KOREA INT'L STANDARDS CERTIFICATION**

This certificate is intellectual property of KIC Co., Ltd. and can be maintained through surveillance and renewal audits. If you can not maintain the certification, this certificate shall be returned to KIC Co., Ltd.

Authorized by: 
Dong Chae Woo, President

  KIC Co., Ltd. has accredited by Korea Accreditation Board as a Certification Body for Quality Management System (Accreditation number : KAB-QC-05)

KIC Co., Ltd. (Heukseok-dong) 87, 18, Dukhee-daero 69-gil, Yongsong-gu, Seoul, Korea TEL : 02-798-0705 FAX : 02-798-0706

Environmental Management System

CERTIFICATE OF REGISTRATION

Environmental Management System

SurplusGLOBAL Inc.
#78-26, Gyeonggi-daero, Osan-si, Gyeonggi-do, Korea

KIC hereby certifies that the management system of the above organization conforms with the requirement of the following standard:

KS I ISO 14001:2015 / ISO 14001:2015

This certificate is valid for the following product or service ranges:

Production, Management and Service of Semiconductor Equipment

Certificate NO. : ESC3226
Valid Until Date : 12-November-2020
Certificate Issue Date : 13-November-2017
Original Certificate Date : 13-November-2017

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KIC Co., Ltd. (Heukseok-dong) 87, 18, Dukhee-daero 69-gil, Yongsong-gu, Seoul, Korea TEL : 02-798-0705 FAX : 02-798-0706

“We don’t hire employees, We look for our colleagues”



We know that the creative, self-motivated and enthusiastic colleagues are SurplusGLOBAL's most precious assets and the foundation to our success.

We are looking for colleagues who are willing to embrace our company’s vision, possess the talents to work in harmony within our organization, and to support our customers fully and thoroughly.

We dedicate ourselves to provide opportunities and experiences for colleagues to grow with the company. Also, we do our absolute best to create and keep a pleasant workplace where everyone can respect each other.

We are looking forward to seeing you who has passion to lead the global market with us, as well as to deliver sustainable growth.



Click for Recruitment Campaign Video

E-mail Contact Information



Process		E-mail
Photo	Stepper, Scanner, Aligner	Photo@surplusglobal.com
Track	Track, Scrubber	Track@surplusglobal.com
Thin film	CVD, PVD, EPI	ThinFilm@surplusglobal.com
Etch	Etcher, Asher	Etch@surplusglobal.com
Diffusion	RTP, Furnace, Implanter	Diffusion@surplusglobal.com
CMP & WET	CMP, Wet bench	CMP@surplusglobal.com
Metrology	Metrology, Inspection	Metrology@surplusglobal.com
ATE	Tester, Handler, Prober	ATE@surplusglobal.com
Package	Die bonder, Wire bonder, Dicing saw, Back grinder	Package@surplusglobal.com
SMT	SMT, AI, Test equipment	SMT@surplusglobal.com
LED	Front-end, Back-end	LED@surplusglobal.com
Display	LCD, OLED	Display@surplusglobal.com
	Solar	Solar@surplusglobal.com
	USA	USA@SurplusGLOBAL.com
	Taiwan	Taiwan@surplusglobal.com
	China	China@surplusglobal.com

➤ Family Support for Children with Developmental Disabilities ➤ SurplusGLOBAL donates a part of the earnings

- Publication Support
- Research & Overseas Training Support
- Information Support: Portal Site & Library
- Family Education and Emotional Support
- Support for the Social Integration

www.smiletogether.or.kr





We contribute to the semiconductor eco-system by providing the secondary equipment platform and optimized solutions for customers

If you have any questions or inquiries, please don't hesitate to contact us. sales@surplusglobal.com