



Adding values to one another
WECO Co., Ltd.



WECO Co., Ltd. is a leading company that value the satisfaction of customers and employees. Based on the technology and know-how gained by installing and maintaining FPD and semiconductor equipment made in Japan for many years, we are emerging as a company specializing in the production of FPD, semiconductor and automation equipment in Korea. As a comprehensive technology service company that pursues customer satisfaction first, based on truth, sharing, and the future, we will make every effort to make WECO to cherish the growth achieved with our customers and create the best value.





HISTORY OF WECO CORPORATION

- 2015.05 • Establishment of WECO Corporation
- 2017.11 • Completion of new company building
• Establishment of affiliated research institute
- 2018.03 • Completion of clean room (Class 10,000)
- 2018.06 • 06 Acquired Inno-Biz certification as a technology innovation type SME
• Acquired Venture Business Certification (Technology Guarantee Fund)
• Obtained ISO9001, ISO14401, K-OHSAS 18001 certification
- 2018.07 • Acquired Main-Biz certification as Management Innovation Type SME
- 2018.11 • Acquired clean workplace certification

FACTORY STATUS

In order to meet the quality that our customers want, we have manufacturing space to match our characteristics.
 - Factory building: 4,625 ft² Clean room: 4,270 ft² (Cleanliness 10,000) Processing room: 712 ft²



OUR TECHNOLOGY

2D and 3D design and analysis

- chamber, spindle, flow, robot...

Semiconductor, FPD, secondary battery

Mobile phone production

- Various process automation facility

MECHANICAL

ELECTRICAL

Circuit design

- Automation equipment (FA)

Automation Circuit Design

- PLC, Automation

ELECTRONIC

Analog, Digital Circuit Design

- Communication, Converter...

PCB Design

- Control board

VERIFICATION SYSTEM

SOFTWARE

Industry-University cooperation with several universities

- Various research facilities available

VISUAL C, C++...

- VISION SYSTEM, Automation...

PLC

- Semiconductor, FPD, Production line

MMI, HMI

- FAB, MONITORING

EQUIPMENT

We have the processing equipment necessary for machining and correcting, so we are shortening the delivery time and improving the price competitiveness.

– 2 universal shelves, 2 universal milling machines, tapping machine 3, various welding equipment, hydraulic press



Large general purpose shelf



Universal shelf compact



Universal Milling Large and Small



Tapping processing equipment



Hydraulic press



Assembled plaster base

EQUIPMENT SETUP BUSINESS

We have the most professional know-how based on the best performance in setting up new equipment and installing equipment in Korea. Based on the rich experience and SOP, including the dismantling, importing, installing, adjusting, and process of various machinery facilities, including FPD and semiconductor facilities, the company has a high level of technical skills and expertise and provides high-quality service not only in Korea but also in other countries.

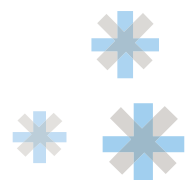
FEATURES OF WECO

- Consists of knowledgeable and experienced personnel through various installation work
- Establish detailed work plan to implement promises with customers
- Create a safe working environment based on strict compliance with basic procedures
- Placement of professional personnel to improve work quality
- Work process and quality standardization of all employees through self-made SOP manual
- Improvement of facilities, overhaul, modification of program



MAJOR PERFORMANCE

- Installation and maintenance of DNS 3rd, 4th, and 5th generation WET facilities (SMD)
- Installation and maintenance of DNS 4th, 5th, 7th, and 8th generation Coater / Developer Inline facilities (SMD)
- DNS 5th, 6th, 7th, and 8th Generation Coater Developer Inline Installation and Maintenance (LGD)
- SMD 4th generation TFT / CF / WET / cleaning equipment / inspection machine / INDEXER equipment China TRULY relocated
- LGD 6th Generation Coater / Developer In-line Equipment POT and LTPS Equipment Remodeling
- Installation and maintenance of DNS OLED In-line facility
- SMD 7th generation TFT / CF In-line facility and PI / ODF facility dismantling
- SMD 6th Generation TFT / CF In-line facility Changed to TRULY, China
- LGD 5th Generation TFT / CF / WET In-line Equipment China TOP



AUTOMATION EQUIPMENT MANUFACTURING

In FPD, Semiconductor, Electronics, and General Industry, we offer the best concept that meets customer's needs and manufacture equipment that satisfy customers with excellent quality and technology.

✦ FPD/ Semiconductor Field

- Cleaner, Etcher, Stripper, Transfer C/V



Ingot auto transfer facility



Oven



Transfer C/V



Cleaner



Etcher

✦ General manufacturing industry

- PVC related equipment (extruder, withdrawal machine, cutting machine), punching machine, parts processing and assembly facility



1300 tons hydraulic press



NC punching machine



PVC pipe cutting machine



Single type extruder with two head



Tensioning machine



Long axis drilling machine



Top-down knife cutter



Ridge Roll Press

✦ Electronic components

- MLCC array machine, electronic parts assembly machine



Secondary battery assembly facility



MLCC inspection equipment



MLCC array machine



Electronic component assembly machine

PROCESS IMPROVEMENT & REMODELING

In order to solve various problems that may arise in the mass production process and to increase the yield, we provide necessary technical skills and solutions to improve the facilities.

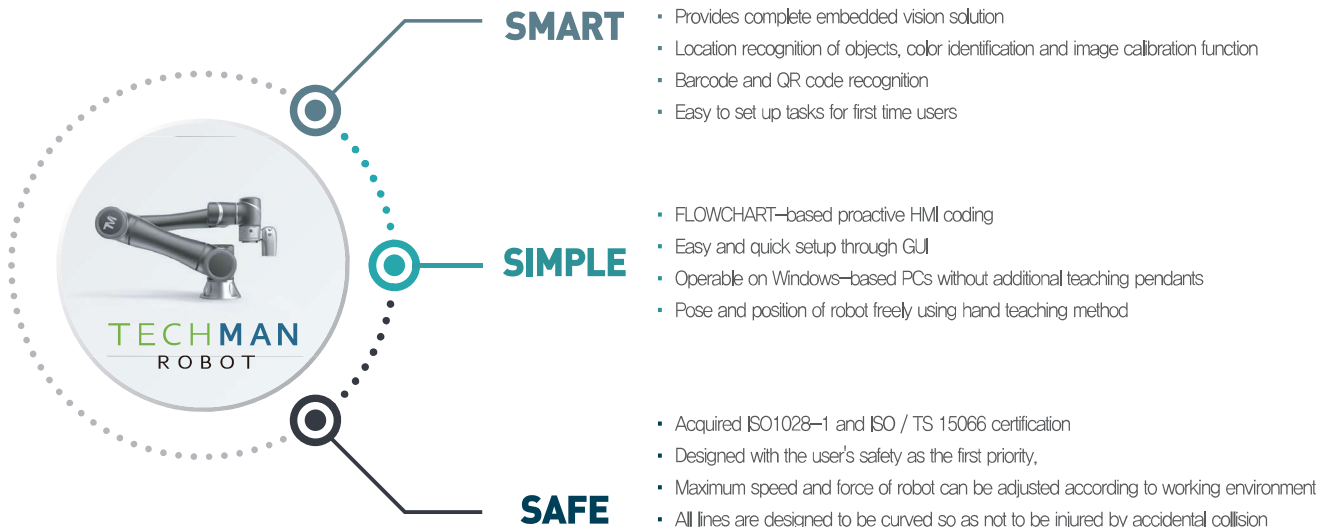
- Static elimination technology : CNT Roller installation and transportation Shaft grounding, installation of ultra-pure CO₂ Bubbler Module, installation and control of X-ray, photo ionizer
- Foreign material removal technology : Water Jet, ultrasonic cleaning, Nano Bubble cleaning
- Drying improvement technology : Dual knife, induction heating drying
- Manufacturing material saving technology : DI recycle system, EPSS (Eco Photo Resist Supply System)

TM SMART COLLABORATION ROBOT



The brand name **Techman** is a combination of two words: 'Technolog^e' and 'Human'.

It is a cooperative robot that can coexist safely with workers in the industrial field. It replaces dangerous, simple and stressful tasks and enriches human life. Techman Robot will be the most important tool in Industry 4.0 and Smart Factory.



Easy programming (TM flow)

Built-in vision system (Smart Vision System)

- Item detection module
- Image enhancement module
- Identify – Bar code/QR code, 2D DataMatrix Decoding

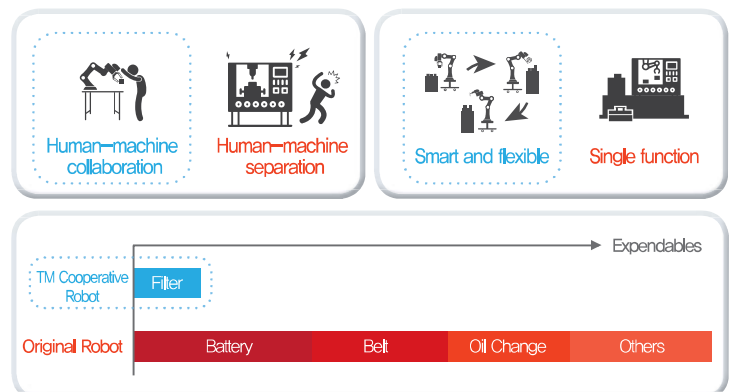
Easy connect (TM Plug & Play Solution)

- Program editing function automatically in 5 minutes
- Simple, effective and fast field introduction

Applicable to various industries



Difference between TM smart cooperative robot and existing robot



SPECIFICATION



Model	TM5-700	TM5-900	TM12	TM14	TM12M	TM14M
Weight	22,1Kg	22,6Kg	33,3Kg	32,6Kg	33,3Kg	32,6Kg
Payload	6Kg	4Kg	12Kg	14Kg	12Kg	14Kg
Working radius	700mm	900mm	1300mm	1100mm	1300mm	1100mm
Maximum speed	1,1m/s	1,4m/s	1,3m/s	1,1m/s	1,3m/s	1,1m/s

※ Specification and specification of product may be changed for quality improvement.

Applicable Video QR Code ▶



CERTIFICATION

WECO Co., Ltd. has many certificates to enhance the reliability with customers and to ensure the stability and reliability of products from development to delivery.



COMPANY WITH WECO Co., Ltd.

WECO Co., Ltd. has grown with the help of various companies, and we will continue to work together to become a company that will help the development of our customers.



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