

To be the best in the world!

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# AJIN GROUP INTRODUCTION



AJIN INDUSTRIAL CO.,LTD.  
531, Shinje-Ri, Jinryang-eup, Gyung San-City, Gyung-sangbuk-Do, Korea  
TEL : +82-53-856-9100 / FAX : +82-53-856-9111

# 001 | Contents

1. Company Introduction
2. Main Production
3. Main Clients
4. Main Manufacturing Facilities
5. Status Of Quality Certification
6. R&D Center
7. A List Of New Technologies for Customer

# 002 | Company Introduction

## Brief Company History I

### History

1987 year.

- Establishment of **WOOSHIN INDUSTRIAL**

2000~2006 year.

- **2003.12** Acquisition of **AJIN INDUSTRIAL**
- **2006.09** Establishment of **AJIN INDUSTRIAL(SHANGHAI)**

2008~2009 year.

- **2009.03** Establishment of **AJIN USA** (Alabama, U.S.)
- **2009.12** Acquisition of **DAEWOO ECC.**

2010년~CURRENT

- **2011.02** Acquisition of KCO Energy  
(The company name was changed into **AJIN Car In Tech**)
- **2011.09** Acquisition of EMPITECH USA  
(The company name was changed into **WOOSHIN USA / Alabama, U.S.**)
- **2011.12** To confirm investment for Ajin ind. (Yancheng)  
(Scheduled date for corporation registration : December, 2012 / **Yancheng, China**)
- **2013.08** New construction of **AJIN INDUSTRIAL Head office**  
(August, 2013 / Gyeongsan-si, Gyeongbuk)

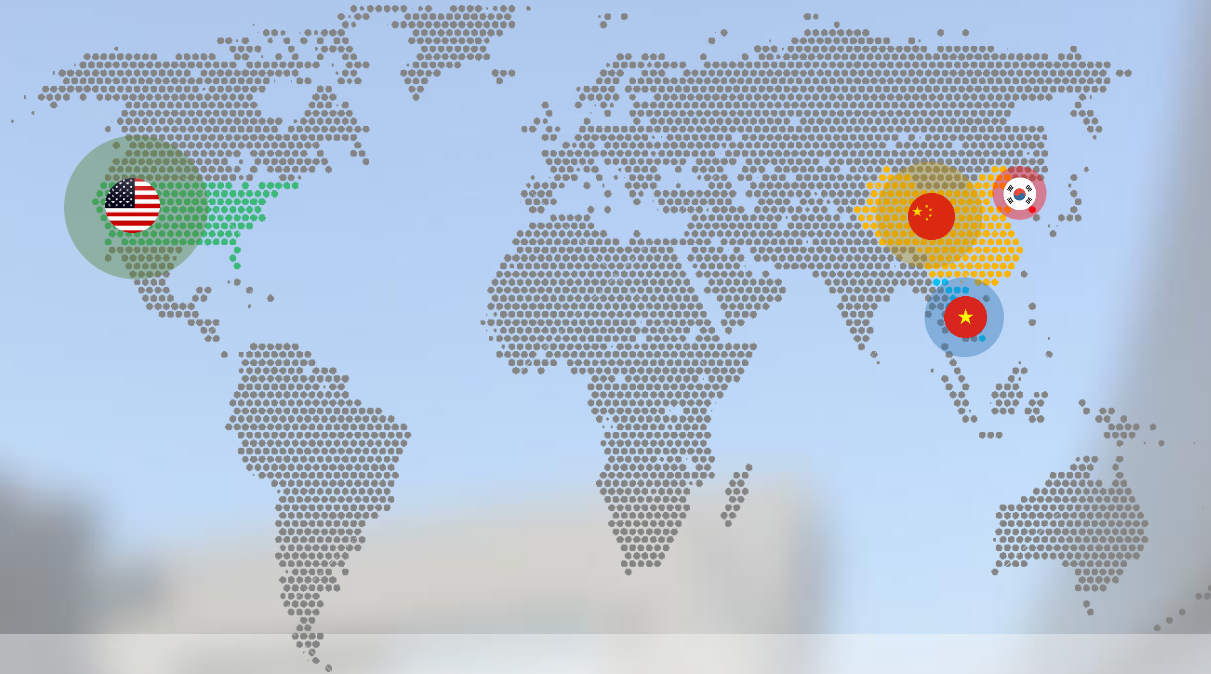
### Awards

- 2006.12** Gyeongbuk Small Business Award
- 2009.10** Selected as Most Wanted Corporation to work for Labor-Management Cooperation Division Awarded at Productivity Competition
- 2009.10** Selected as a Best Productivity Enhancement / Innovation Activities Corporation
- 2010.07** Obtained Safety/Health Management System Certification (Korea Occupational Safety & Health Agency/DNV)
- 2010.09** National Productivity Award Prime Minister Commendation (Ministry of Knowledge Economy)
- 2010.09** Best Human Resources Developer: Best-HRD Certificate (Human Resources Development of Korea, Ministry of Employment and Labor)
- 2011.07** No Injury Records in 13 Years (Korea Occupational Safety & Health Agency)
- 2011.12** Chosen 2011 Labor and Management Partner Supporting Project (Ministry of Employment and Labor)
- 2012.02** Best Organization for Specialized High School Global on-Site Training (Ministry of Education and Science Technology Minister Award)
- 2012.05** Open Hire Leader (Ministry of Employment and Labor Minister Award)
- 2012.12** Obtained Export Award (One Hundred Million Dollar)
- 2013.05** Received AEO certification for outstanding general certification company (Korea Customs Service) (Grade A)
- 2013.12** Presidential certification for contributions in creating jobs
- 2015.07** Selected organization in The World Class 300
- 2015.10** Awarded a grand prize of FTA Practical use
- 2016.12** The prize of "Admired business man, the future leader"
- 2017.01** Won Supplier of the Year Award (grand prize) for Hyundai and Kia Motors
- 2017.12** AJIN USA KMMG Quality 5 Star 5+ Achieved
- 2018.01** Acquired the highest grade (AAA grade) of Authorized Economic Operator (AEO)

# 003 | Company Introduction

## Group Introduction

- USA
  - AJIN USA
  - WOOSHIN USA
- CHINA
  - AJIN ind. [SHANGHAI]
  - AJIN ind. [YANCHENG]
  - SHUZHOU A&T TECH
- VIETNAM
  - DAEWOO VIETNAM
- KOREA
  - AJIN ind.[Head office]
  - AJIN ind.1<sup>st</sup> Factory
  - AJIN ind. Gueo Factory
  - WOOSHIN ind.
  - AJIN Car In Tech
  - DAEWOO ECC



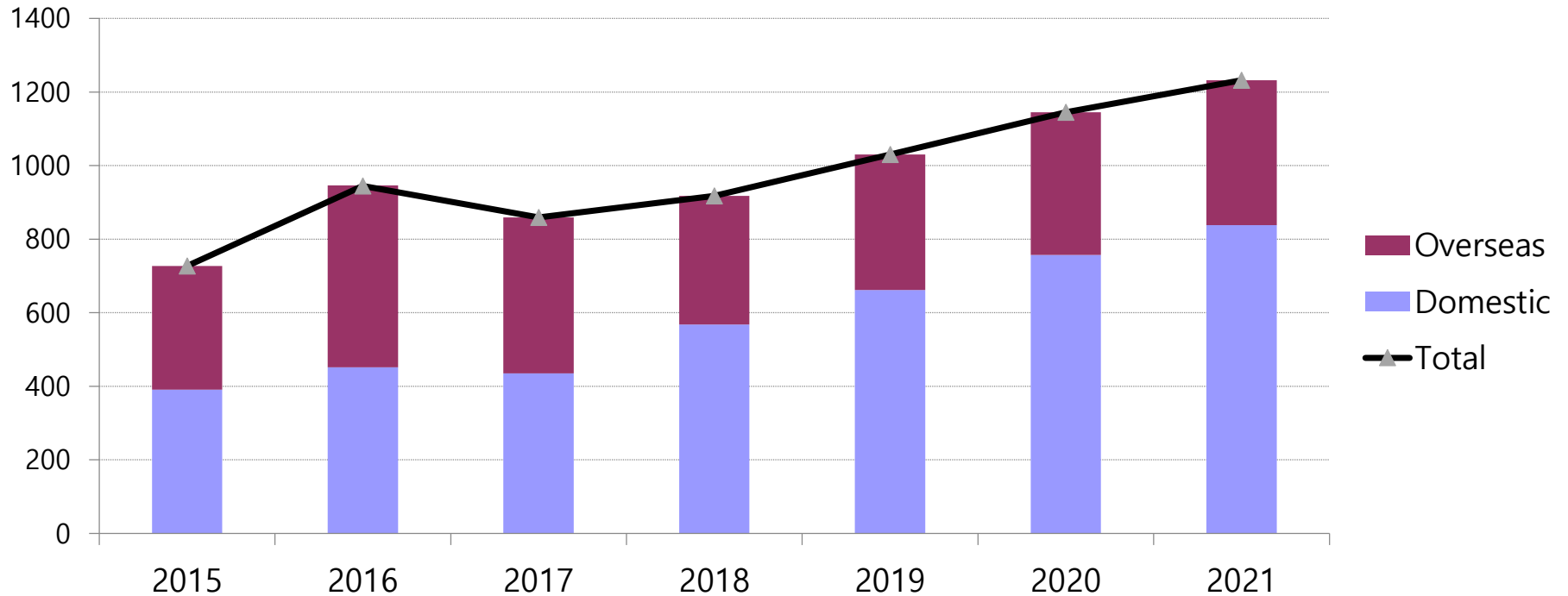
To become a world-class auto parts company!

AJIN Industrial Co., Ltd., spreading throughout the world, will do our best for customer satisfaction with global management strategies, extending automobile parts manufacturing subsidiaries overseas.

# 004 | Company Introduction

Long-term Sales Goal

hundred million (\$)



Classification	2015	2016	2017	2018	2019	2020	2021	Remark
Domestic sales	391	451	435	568	662	757	838	
Overseas sales	336	494	424	350	368	388	394	
Total	727	945	859	918	1,030	1,145	1,232	

# 005 | Company Introduction

Overview

## AJIN INDUSTRIAL



### **HEAD office**

**Establishment** : August, 2013

**Location** : Gyeongsan-si, Gyeongbuk

**Area** : Land 33,000m<sup>2</sup> / Building : 25,000m<sup>2</sup>

**Staff numbers** : 500 people

**Sales** : 327 hundred million dollar (Sales projections for 2018)

**Main Product** : QTR COMPL ,COWL COMPL, RR FLR COMPL,  
DASH COMPL, SIDE COMPL

## AJIN 1st factory



**Establishment** : April, 1976

**Location** : Gyeongsan-si, Gyeongbuk

**Area** : Land 17,000m<sup>2</sup> / Building : 11,000m<sup>2</sup>

**Staff numbers** : 200 people

**Sales** : Included in Head office's sales

**Main Product** : QTR INR, DASH, SIDE OTR, COWL, F/APRON, FEM MBR

# 006 | Company Introduction

Overview

## AJIN Car In Tech



**Establishment** : July, 1959

**Location** : Gyeongju-si, Gyeongbuk

**Area** : Land 28,000m<sup>2</sup> / Building : 10,000m<sup>2</sup> [Geuncheon Fac.]

Land 8,000m<sup>2</sup> / Building : 5,000m<sup>2</sup> [Mohwa Fac.]

**Staff numbers** : 130people

**Sales** : 106 hundred million dollar (Sales projections for 2018)

**Main Product** : RR P/TRAY CTR, BACK COMPL, QTR INR UPR, SD COMPL,  
RR FLRRR FLR COMPL, QTR COMPL, SIDE COMPL

## WOOSHIN



**Establishment** : March, 1987

**Location** : Gyeongsan-si, Gyeongbuk

**Area** : Land 6,600m<sup>2</sup> / Building : 5,800m<sup>2</sup>

**Staff numbers** : 160 people

**Sales** : 47 hundred million dollar (Sales projections for 2018)

**Main Product** : AIR BAG PARTS,ABS/ESP PARTS,MDPS BRKT

# 006 | Company Introduction

Overview

AJIN IND. Gyeongju GUEO Factory



**Establishment** : June , 2016

**Location** : Gyeongju-si, Gyeongbuk

**Area** : Land 22,000m<sup>2</sup> / Building : 14,100m<sup>2</sup>

**Staff numbers** : 239 people

**Main Product** : PNL&HINGE ASS'Y-HOOD, REINF ASS'Y-SIDE  
COMPL LH/RH, PNL ASS'Y-T/LID, PNL&HINGE ASS'Y-TAIL GATE



# 007 | Company Introduction

Overview

## AJIN USA



**Establishment** : February, 2008

**Location** : Alabama, U.S

**Area** : Land 264,000m<sup>2</sup> / Building : 50,000m<sup>2</sup>

**Staff numbers** : 620 people

**Sales** : 252 hundred million dollar (Sales projections for 2018)

**Main Product** : F/APRON & MBR COMPL, SIDE COMPL, DASH COMPL,  
COWL COMPL, T/GATE, QTR COMPL

## WOOSHIN USA



**Establishment** : February, 2008

**Location** : Alabama, U.S

**Area** : Land 110,000m<sup>2</sup> / Building : 14,000m<sup>2</sup>

**Staff numbers** : 254 people

**Sales** : 55 hundred million dollar (Sales projections for 2018)

**Main Product** : RR COMBI LAMP HOUSING, EXTN QTR INR RR LWR,  
PNL Sub assembly parts

# 008 | Company Introduction

Overview

## AJIN INDUSTRIAL(YANCHENG)



**Establishment** : January, 2013

**Location** : Yancheng, China

**Area** : Land 78,000m<sup>2</sup> / Building : 39,000m<sup>2</sup>

**Staff numbers** : 138people

**Sales** : 15 hundred million dollar (Sales projections for 2018)

**Main Product** : : RR COMBI LAMP HOUSING, ROOF,  
PNL FEM, Sub assembly parts

## AJIN INDUSTRIAL(SHANGHAI)



**Establishment** : February, 2008

**Location** : Shanghai, China

**Area** : Land 49,000m<sup>2</sup> / Building : 27,000m<sup>2</sup>

**Staff numbers** : 155 people

**Sales** : 11 hundred million dollar (Sales projections for 2018)

**Main Product** : : Air bag parts, ABS/ESP Parts, Seat belt parts,  
Steering parts

# 009 | Company Introduction

Overview

## DAEWOO ECC.



**Establishment** : October, 1973

**Location** : Jeongeup-si, Jeonbuk

**Area** : Land 150,000m<sup>2</sup> / Building : 56,000m<sup>2</sup>

**Staff numbers** : 185people

**Sales** : 69 hundred million dollar (Sales projections for 2018)

**Main Product** : ECC(PWM, OBD, REGULATOR, ACU)

## DAEWOO VIETNAM



**Establishment** : May, 1995

**Location** : Tan Dinh Viliage Ben Cat Disrict Binh Duong  
Prvince S.R. Vietnam

**Area** : Land 33,000m<sup>2</sup> / Building : 18,000m<sup>2</sup>

**Staff numbers** : 130people

**Sales** : 18 hundred million dollar (Sales projections for 2018)

**Main Product** : Parts of ECC(CONDENSOR)

# 010 | Company Introduction

Affiliated Company

**AJIN GROUP**

Mr. Seo Jung-Ho



AJIN



AJIN Car in Tech



WOOSHIN



DWECC



PINETRON



AJIN USA



AJIN YANCHENG



AJIN SHANGHAI



WOOSHIN USA



SUZHOU A&T TECH



VIETNAM PLANT



# 011 | Main Production I

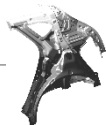
Car Body Product Line



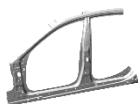
PNL ASS'Y  
DASH COMPL



PNL ASS'Y F/APRON  
& MBR COMPL



QTR COMPL



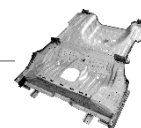
SIDE COMPL



PNL ASS'Y  
TAIL-GATE COMPL



PNL ASS'Y  
COWL COMPL



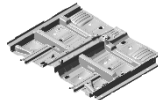
RR FLR COMPL



RING SUN ROOF



PNL ASS'Y-  
RR P/TRAY



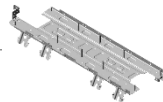
CTR FLR



COWL  
CROSS BAR



PNL ASS'Y  
DR COMPL



BATTERY CASE



C/LAMP COMPL



CARRIER ASS'Y



RAIL ROOF



EXTN ASS'Y  
QTR OTR RR



PNL ASS'Y  
HOOD COMPL



DAB MOUNTING  
PLATE ASS'Y



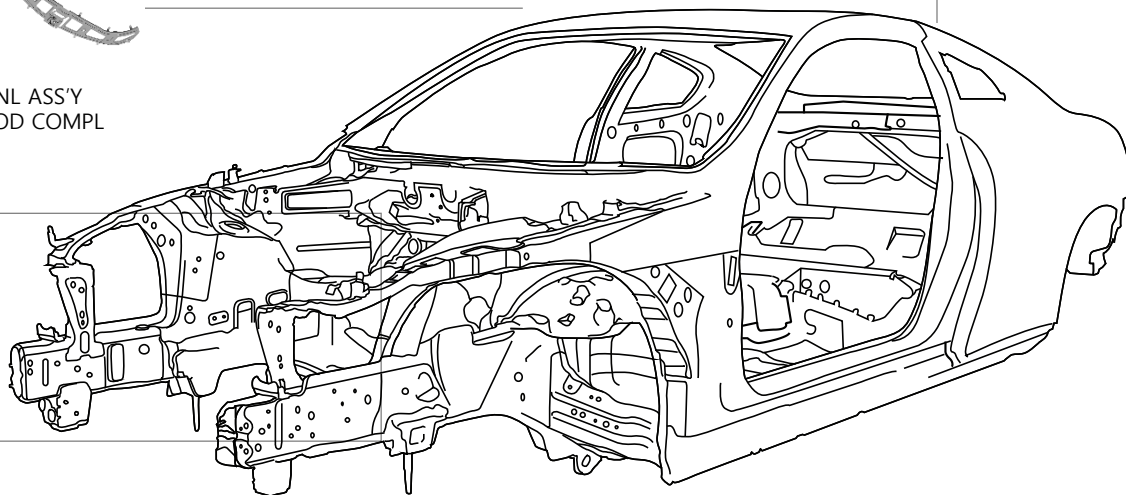
HOUSING  
ASS'Y



ABS BREAK



DOOR PANEL  
PLATE



# 012 | Main Production II

Automotive Parts Product Line



Tip Tronic / LED Indicator



SOLENOID



Voltage Regulator



TAS (Torque Angle Sensor)



CCH (Climate Control Head)



BLDC (Brushless DC Electric motor)



OBC (On Board Charger)



AVM (Around View Monitor)



ACU (Actuator Control Unit)



PWM (Pulse Width Modulation)

# 013 | Main Clients

Customer



# 014 | Main manufacturing facilities

Press Line (Korea)



Place		Classification		Facility (TON)	LINE	Remark		
AJIN ind.	Head office	Large Press	Robot	1500-800-800-600	1			
				1000-500-500-500	1			
				1200-600-500-500	1			
	1st Fac.	BLANKING	Blanking	400 TON	1			
				Large Press	Transfer	1700 TON	1	
		Robot	800-600-400-400			1		
			1200-600-400-400-400		1			
		BLANKING	Blanking	300 TON	1			
200 TON	1							
WOOSHINI INDUSTRIAL		Large Press	Robot	700-500-400-400	1			
				Small Press	Shuttle	250-200-200-160-160-110	1	
		PRO	Progressive			300 PRO	1	Servo Press
						150 PRO	1	
						80 PRO	1	
				60 PRO	1			
AJIN Car In Tech	Large Press	Robot	1000-600-400-400	1				
			500-400-300-300	1				



# 015 | Main manufacturing facilities

Press Line (Overseas)



Place	Classification		Facility (TON)	LINE	Remark
AJIN USA	Large PRESS	Transfer	2500 TON	1	
		Robot	1500-1000-600-600	1	
			800-800-500-500	1	
			1200-800-600-600	2 (1)	
	BLANKING	Blanking	400 TON	1	
600 TON			1		
WOOSHIN USA	Small PRESS	Shuttle	250-250-250-250	2	
		Robot	250-250-250-250	1	
			300-250-250-250-250	1	
			250-250-250-250-200-150-150	1	
			250-200-200-200-200-150	1	
	PRO	Progressive	300 TON	(2)	
	BLANKING	Blanking	300 TON	1	
			250 TON	1	
200 TON			1		
AJIN INDUSTRIAL (Shanghai)	Large PRESS	Transfer	600 TON	2	
		Robot	800-400-400-400	1	
	Small PRESS	Manual	260-260-200-200-200	1	
			200-200-200-200-200	1	
	PRO	Progressive	300 TON	1	
	BLANKING	Blanking	250 TON	1	
160 TON			1		

# 016 | Status of quality certification

Certification

## History of Quality Assurance Activity



- ISO 14001:9001/14001:2004 EMS Certification
- ISO/TS 16949 QMS Certification
- SQ Mark Grade A(PQ2007-17)
- Certificate of accreditation
- Agreement between industry and academia(technical advice)
- To carry out a technology innovation project (Small & Medium business administration)
- To be selected as an INNOBIZ company
- The best Gyeongsangbuk-do's small business award (Grand prize)

# 017 | R&D Center

R&D Center

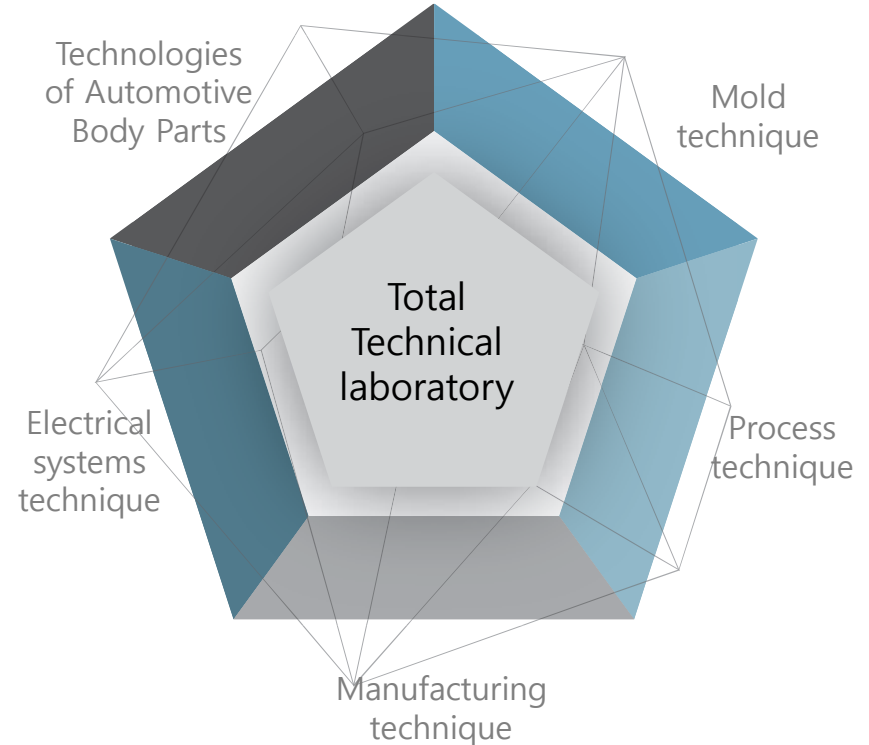
Since AJIN R & D Center was established, our group has achieved impressive results through the effective Task Force. AJIN R & D Center holds more than 150 patents, carries out a variety of government tasks, and actively engages in industry-academic cooperation activities.

**Establishment** : March 24, 2001

**Number of Personnel** : 113 (As of Oct. 2016)

**Purpose** :

- Innovative process development
- Next generation Auto Resource Development
- Secure Source Technology
- Secure Convergence Technology



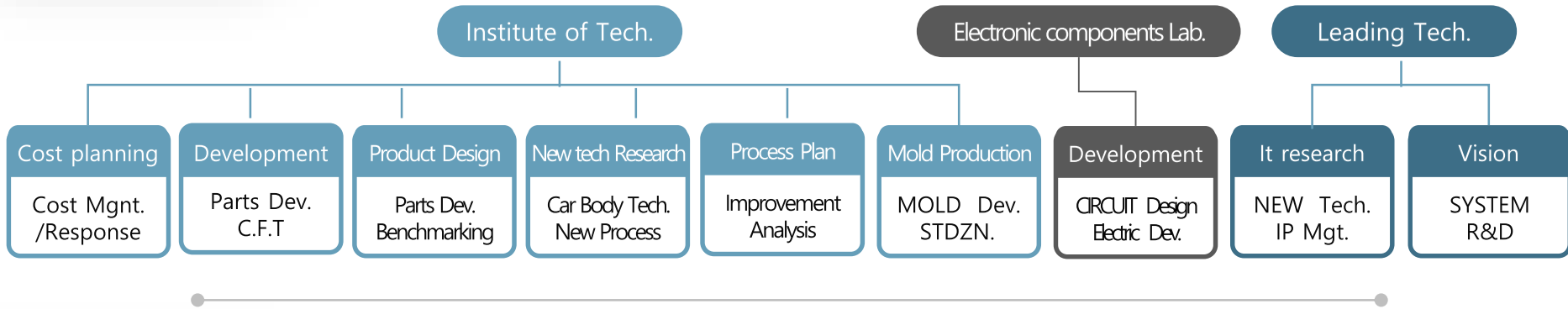
# 018 | R&D Status

R&D Center

## R&D Organization



Research personnel **113**



## Intellectual Property Securing Status



Patents **160**

Parts	Main Development Contents
BODY	<ul style="list-style-type: none"> <li>Development of Vehicle Lightweight Body Parts Tech. using magnesium ally laminate</li> <li>Development of a Laser Assist Roller Hemming System for Magnesium Plate Parts</li> </ul>
IT	<ul style="list-style-type: none"> <li>Development of Vehicle Component Inspection System using Vision System</li> <li>Development of Around View System for Multi-View Function</li> </ul>
ELECTRIC DEVICE	<ul style="list-style-type: none"> <li>Development of Electronic Vehicle Air Suspension ECU Controller</li> </ul>

# 019 | R&D Status

Facilities for research and test

**CMM (3-D measuring machine)**



**Waterproof Tester**



**Oilproof Tester**



**Coating Thickness measuring instrument**



**Hardness tester**



**U.T.M (material testing machine)**



**Salt spray tester**



**\*RSWA**



**Cutting & forming M/C for specimen**



**Optical microscope**



**Surface grinder**



**Rockwell durometer**



# 020 | A List of new technology for customer

AJIN Industrial

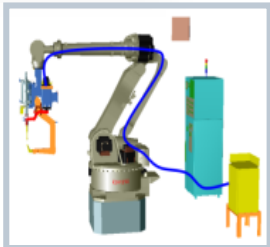
## Press



### Complex MultiStamping

- A forming technology using cylinder for maximizing formability of high tension steel plate

## Welding



### Network welding quality control by applying real-time measurement of welding electric current and intelligent welding machine

- Improvement on welding separation and surface quality by installing real-time network of actual electric current value
- Feedback of electric current measurement result, installation of self compensating intelligent welding machine, Assurance of high quality welding



### Vision inspection system installation

- Real-time count and monitoring of defective product and good product
- To build a database of inspection result and to collectively manage it
- Change analysis and management for permissible tolerance



### 'R100' CAPTIP can be applied to welding gun for surface quality improvement from welding dent damage

- Welding dent damage decreases by applying R100 CAPTIP during spot welding. R100 CAPTIP's Surface quality of product after welding is improved compared with normal CAPTIP.

# 021 | A List of new technology for customer

DAEWOO ECC.

## Electronic components



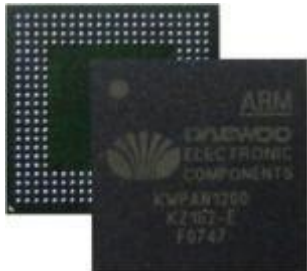
### Blackbox

- To interlock "Parking Assist System" with the existing automotive black box



### Around View Monitoring System

- To offer an aerial view. It solves a blind spot problem during parking



### Binary CDMA

- Quality, speed and communication distance are superior than the existing Bluetooth communication. This communications technology was developed entirely with domestic technology



“  
Leaping forward to become the world’s No.1  
Automotive parts company by 2020!”

Importance the human and environment, will continuously  
Put effort to become a first class global enterprise

Thank you 

To Be the  
**BEST** In the  
World!