

Rev.170901

Company introduction



DONGYANG PC, INC.

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Message from CEO



DONGYANG PC, INC. ("DYPC") is a pioneer in the mechanical parking equipments based in Seoul Korea. The key technical members of DYPC have started developing, design, manufacturing, installation and maintenance of the mechanical parking equipments since 1990. DYPC key members are real expert and pioneers who have more than 25 years of enough experience about the technology about the mechanical parking equipments.

DYPC aims to provide high quality product with safer, more space-saving, more convenience and environment friendly parking equipments by our long accumulated experiences.

DYPC is especially a leader in the SMART PARKING®, a vertical rotary parking equipment, and have installed 539 units of SMART PARKING® in 31 countries in the world. Especially DYPC have installed 89 units in Europe and installed in USA too and have 32 units of ongoing projects in USA.

Please feel free to contact us with any inquiries or discussions concerning our SMART PARKING® and other mechanical parking solutions.

With best wishes,

Park, Dal Young
President & CEO
Dongyang PC, Inc.

■ Company Overview

- Company name: **DONGYANG PC, INC.**
- President & CEO: Park, DalYoung (DY Park)
- Founded: Nov.20.2002
- Contact
 - Tel: +82 - 2 - 2638 - 7750~2
 - Fax: +82 - 2 - 2638 - 7753
 - Email: dysmart@hotmail.com
dypark@dysmart.com dypc01@empal.com
- Website: www.dysmart.com
- Address: 413-B, Woolim Lions Valley 18, Yangpyung-dong 5ga, Youngdeungpo-gu, Seoul, Korea
- Products: SMART PARKING®
ACE PARKING®
GARND PARKING®
HL2®

■ Introduction of CEO

Park Dal Young (DY Park)
President and CEO of Dongyang PC, Inc.

- Mechanical engineer
- Have experience for mechanical parking for 26 years since 1990.
- The first pioneer for the multi floor mechanical parking technology in Korea.

- Education
 - 1972 Graduated from Pusan Mechanical Technicians High School
 - 1982 Bachelor Degree, Mechanical Engineering, Inha University
 - 2000 Completed IAP course, Yonsei Management Graduate School

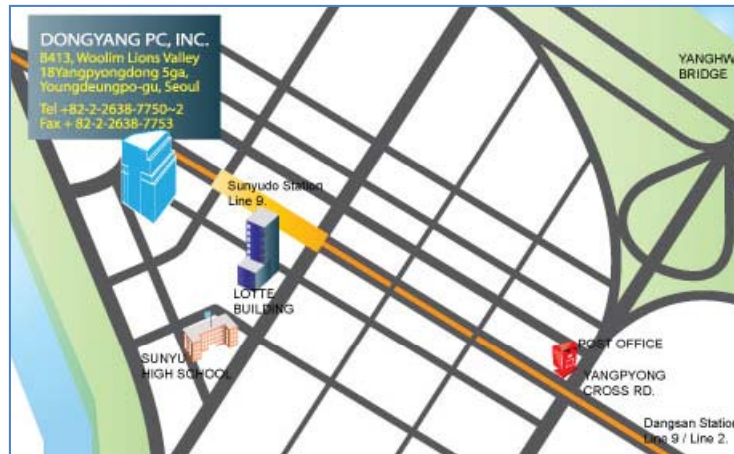
- Work History
 - 1972~1977 SAMSUNG Electronics / POSCO
 - 1977~1989 Dong-A / Kukdong Construction Co.,Ltd.
 - 1990~1992 Director of Woodan Co.,Ltd.
 - 1992~2002 CEO of Dongyang Menics Co.,Ltd.
 - 2002~ CEO of Dongyang PC,Inc.

- Awarded
 - 2002 Awarded a prize from Minster of Transportation, Korea
 - 2008 Awarded a prize from Patent office of Korea
 - 2008 Awarded a prize from Minister of Transportation, Korea

Introduction



- Location



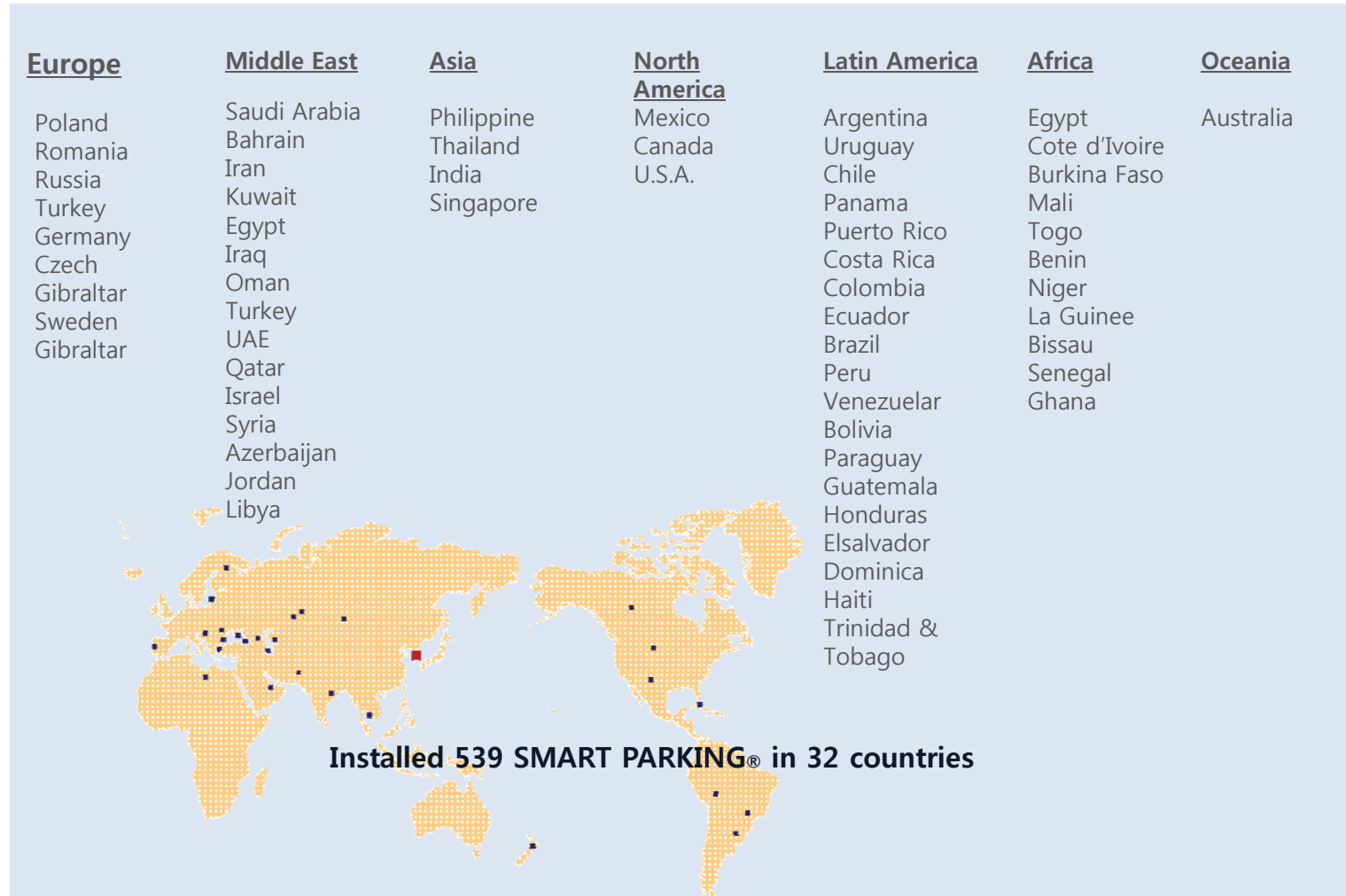
Head office



Gimpo factory

- Head office: 8413 Woolim Lions Valley, 18 Yangpyongdong 5ga, Yeongdeungpo-gu, Seoul, Korea
- Kimpo factory: 149-1, Sangma-ri, Daegot-myun, Gimpo city, Kyunggi-do, Korea
- Ganghwa factory: 3 & 4 BL, Gangwha sandan, Ganghwa-gun, Incheon city, Korea

■ Global network



■ Manufacturing bases in the world

**DYPC have 6 manufacturing bases in the world
in Korea, India, China, Poland, Iran, Mexico**



* Preparing the manufacturing bases for Saudi Arabia and Brazil.

Manufacturing base in Korea



Kimpo factory in Korea (1,994m²)



Kimpo factory in Korea - Signboard and entrance

Manufacturing base in Korea



Kimpo factory in Korea – Inside view

Manufacturing base in Korea



Kangwha factory in Korea (3,300m²)

Introduction



- **Products**

- SMART PARKING®, Vertical rotary type
- ACE PARKING®, Elevator tower type
- GRAND PARKING®, Multi floor and cart type

- **Certificates**

- ISO 9001:2008
- CE certificate for P+SMART PARKING®
- CE certificate for P+ACE PARKING®
- CE certificate for P+GRAND PARKING®
- GOST certificate for SMART PARKING®
- SASO certificate for SMART PARKING®
- UL certificate & CUL certificate.
- Venture Business Registration, Korea
- Inno-Biz Registration, Korea
- Company Laboratory Registration, Korea



Products



■ SMART PARKING®



The best space efficiency
 Small space occupation (required footprint of just 2 parking lots).
 Extend existing parking lot to 8 times.
 Quick installation (4-5 days per unit).

- SM8L - SM16L, up to 16 sedans
- SM8SU - SM12SU, up to 12 SUV cars

Specification		
Type	L-series	SU-series
Model	SM8L ~ SM16L	SM8L ~ SM12SU
Parking capacity	8 ~16 cars	8 ~12 cars
Available Car	Length	5,200mm
	Width	2,100mm
	Height	1,600mm
	Weight	2,150Kg
	Type of car	Sedan
Drive Motor	7.5~15Kw	7.5~15Kw



Products



■ ACE PARKING®

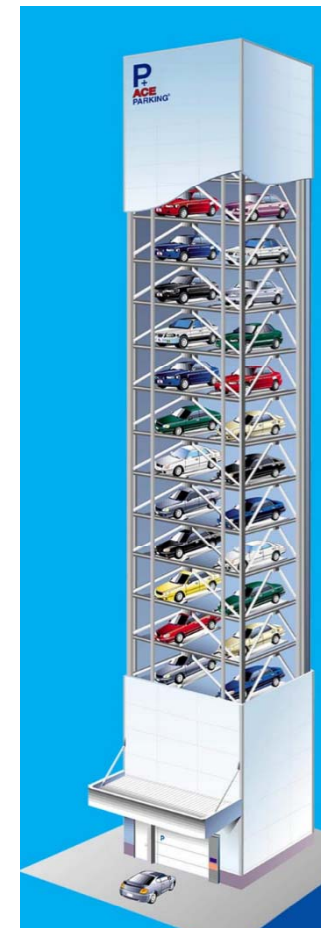
Elevator Tower type

High speed system for a hi raised building area.
Accommodates up to 60 cars (50 cars for SUV)
Integrated with Internal Turn Table for easy parking and retrieval.
Noiseless system.

- AC-L series for sedan cars
- AC-SU series for SUV cars



Specification			
Model		AC20L ~ AC60L	AC20SU ~ AC50SU
Capacity		20 to 60 cars	20 to 50 cars
Available Car	Length	5,200mm	5,200mm
	Width	2,100mm	2,100mm
	Height	1,600mm	2,000mm
	Weight	2,150Kg	2,400Kg
Type of car		Sedan	SUV
Lifting Mechanism		Geared Motor + Wire	
Lift Motor		22~37Kw	
Lift Speed		90m/min Max.	
Traveling Speed		21.2m/min	
Motor Control		IGBT Inverter control	



Products

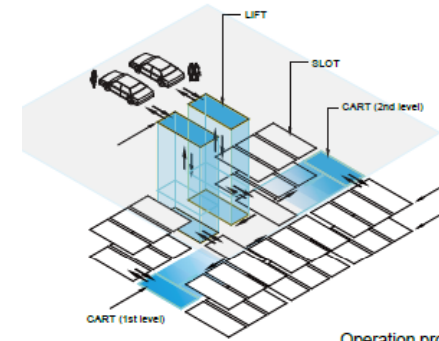


■ GRAND PARKING®

Multi floor, Cart Type

- Simultaneous entrances and retrievals
- Multiple lifts and carts available
- Fastest operation among the multi floor parking systems
- Customizing the arrangement of rows and column
- Double row arrangement for a better space efficiency

- GRS-L series for sedan cars (side by side deployment)
- GRF-L series for sedan cars (front by rear deployment)
- GRF-SU series for SUV cars (side by side deployment)
- GRS-SU series for SUV cars (front by rear deployment)



Operation process



Specifications

Model	GRF(S)-L	GRF(S)-SU
Capacity	20 ~ 300 cars	
Avail. Car	Length	5,200mm
	Width	2,100mm
	Height	1,600mm
	Weight	2,150Kg
	Type of car	Sedan
Lifting mechanism	Geared Motor + Wire Rope	
Lift Motor	22~37Kw	
Lift Speed	60m/min Max.	
Traveling Speed	100 m/min Max	
Motor Control	IGBT Inverter control	

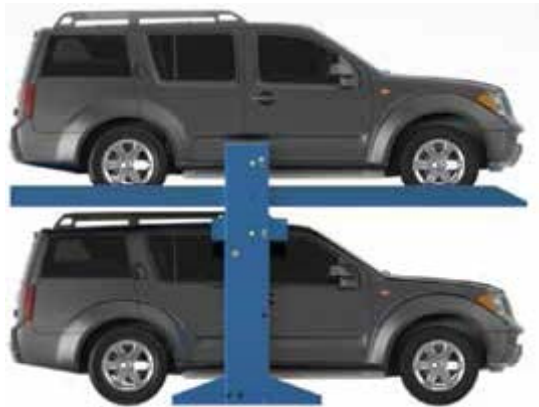


Products



■ HL2 PARKING® Double deck parking

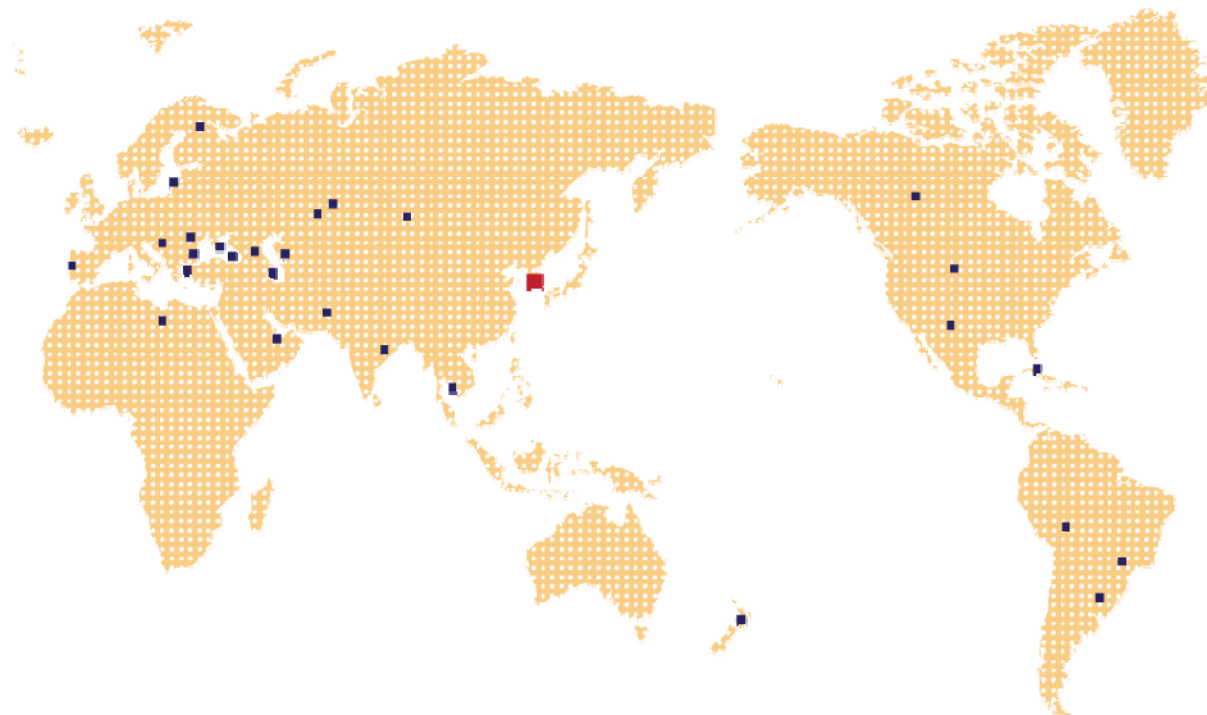
Available for both of outdoor use and indoor use.
Hydraulic type
Clean design



Introduction

■ Projects completed

Completed 539 units in 32 countries in the world.



Project completed (Typical projects)

DYPC



144 car parking lots by 9 units of SM16L, Eugenia, Mexico city



72 car parking lots by 6 units of SM12L, Bucharest, Romania

Products



20 car parking lots by 2 units of SM10L,
SNEC (Singapore National Hospital), Singapore



16 car parking lots by a unit of SM16L,
Toyota car maintenance shop,
Jeddah, Saudi Arabia

Products



180 car parking lots by 15 units of SM12L, Tehran, Iran



48 car parking lots by 3 units of SM16L, Tehran, Iran

Products



96 car parking lots by 8 units of SM12L, Shiraz, Iran



108 car parking lots by 9 units of SM12L, District 15, Tehran

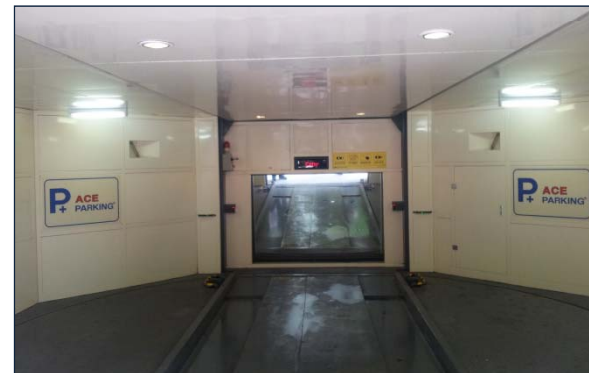
Products



72 car parking lots by 2 x 36SU, Devonshire, Singapore



Dual Turn Table at internal and external .



The clean entrance technology applied.

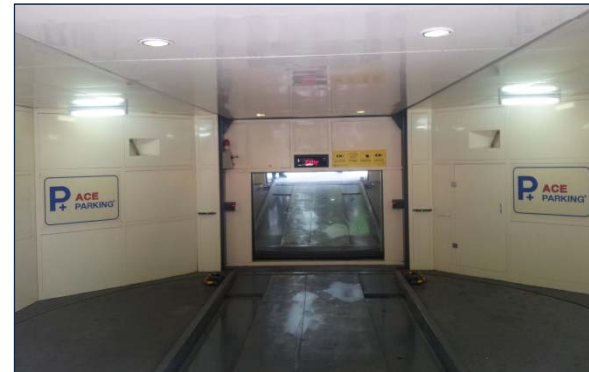
Products



60 car parking lots by 2 x 30L, Anest Apt, Seoul, Korea

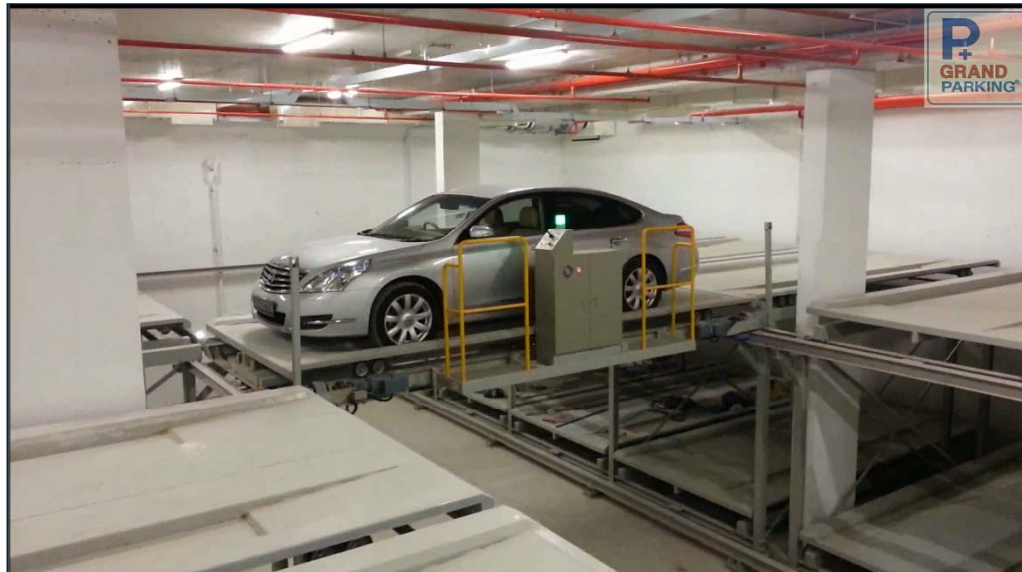


16 cars above ground and 14 cars under ground



Internal Turn Table at mid level.

Products

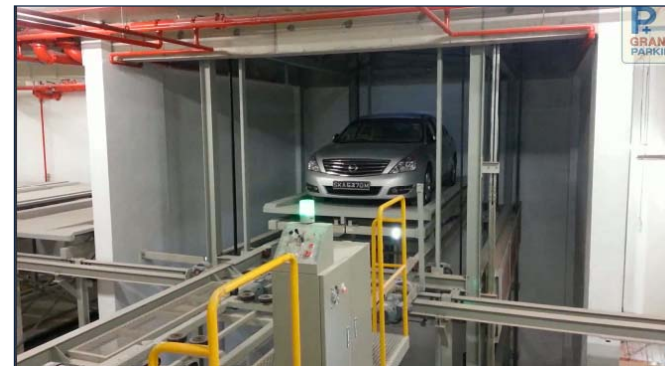


- Kampong Bahru project, 40 parking lots, Singapore
- Somme Road project, 24 parking lots, Singapore
- Daisy Apt. project, 26 parking lots, Singapore
- Sarkies Road project, 26 parking lots, Singapore
- 456 Balesiter Road, 37 parking lots, Singapore
- Joochiat Road project, 103 parking lots, Singapore
- 520 Balesier Road project, 75 parking lots, Singapore

Products



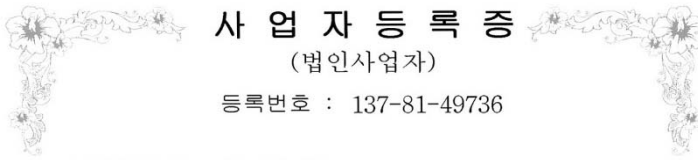
- Devonshire project, 72 parking lots, Singapore
- 88 Rangoon project, 42 parking lots, Singapore
- Lorong 38 project, 86 parking lots, Singapore
- Lorong 14 project, 50 parking lots, Singapore



Registrations and Certificates



■ Registration of business



사업자등록증

(법인사업자)

등록번호 : 137-81-49736

법인명(단체명) : 동양퍼씨 (주)

대표자 : 박달영

개업년월일 : 2002년 11월 20일 법인등록번호 : 124411-0057382

사업장소재지 : 서울특별시 영등포구 문래동 3가 77-9
메가벤처타워 605

본점소재지 : 서울특별시 영등포구 문래동 3가 77-9
메가벤처타워 605

사업의종류 : **업태** 제조 **종목** 자동차용승강기의설계및시공

교부사유 : 정정신고

2006년 03월 30일

영등포세무서장 인

■ ISO9001:2008




BMTRADA

CERTIFICATE OF REGISTRATION

This is to certify that

DONG YANG PC, INC.
(Woolim Lions Valley, Yangpyeong-dong 5-ga)
B-413, 19, Yangpyeong-ro 21ga-gil,
Yeongdeungpo-gu,
Seoul,
Korea

has been audited and found to meet the requirements of standard
ISO 9001:2008 Quality Management System

Scope of certification
Design, Development, Manufacture, Sales, Installation and
Maintenance of Parking Facilities



Certificate number: 3473

Issue number: 2014-01

Certificate start date: 19 October 2014

Certificate expiry date: 18 October 2017

Date of initial certification: 19 October 2005



Signed on behalf of Tom Johnston
Chief Operating Officer
Central Certification Services

BM TRADA Certification Ltd, Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4HQ, UK

This certificate remains the property of BM TRADA Certification Ltd. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA Certification Ltd or destroyed if requested. Further clarification regarding the scope of the certificate and verification of the certificate is available through BM TRADA at the above address or at www.bmtrada.com

The use of the UKAS accreditation mark indicates accreditation in respect of those activities covered by the accreditation certificate 012.

Registrations and Certificates



■ CE certificate for ACE PARKING® and GRAND PARKING® series

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

Attestation of Conformity
No. M8A 14 04 60033 005

Holder of Certificate: DONGYANG PC, INC.
413-B, WoolimLionsValley 18
Yangpyeong-Dong 6GA, Yungdeungpo-Gu
Seoul 150-105
REPUBLIC OF KOREA

Product: Power driven parking system of motor vehicles
(ACE parking system)

Model(s): AC.L-, AC.LSU-, AC.SU-, AC.SG-

Parameters:

Rated input voltage	380 VAC, 3 Phase
Rated frequency	50 Hz
Rated input current	150 A
Protection class	I

Tested according to: EN ISO 12100:2010
EN 14010:2003+A1:2009
EN 60204-1/AC:2010

This Attestation of Conformity is issued on a voluntary basis according to Council Directive 2006/42/EC relating to machinery. It confirms that the listed equipment (not Annex IV equipment) complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Test report no.: MAEB01053114

Valid until: 2019-04-24

Date, 2014-04-28 (Yong-Sam Choi)






After preparation of the necessary technical documentation as well as the EC declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

Page 1 of 1

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ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

Attestation of Conformity
No. M8A 14 04 60033 006

Holder of Certificate: DONGYANG PC, INC.
413-B, WoolimLionsValley 18
Yangpyeong-Dong 5GA, Yungdeungpo-Gu
Seoul 150-105
REPUBLIC OF KOREA

Product: Power driven parking system of motor vehicles
(GRAND parking system)

Model(s): GRF.L-, GRF.SU-, GRF.SG-,
GRS.L-, GRS.SU-, GRS.SG-

Parameters:

Rated input voltage	380 VAC, 3 Phase
Rated frequency	50 Hz
Rated input current	150 A
Protection class	I

Tested according to: EN ISO 12100:2010
EN 14010:2003+A1:2009
EN 60204-1/AC:2010

This Attestation of Conformity is issued on a voluntary basis according to Council Directive 2006/42/EC relating to machinery. It confirms that the listed equipment (not Annex IV equipment) complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Test report no.: MAEB01053114

Valid until: 2019-04-25

Date, 2014-04-29 (Yong-Sam Choi)






After preparation of the necessary technical documentation as well as the EC declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

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Registrations and Certificates



■ CE certificate for SMART PARKING®

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

Attestation of Conformity

No. M8A 15 02 60033 007

Holder of Certificate: DONGYANG PC, INC.
 413-B, WoolimLionsValley 18
 Yangpyeong-Dong 5GA, Yungdeungpo-Gu
 Seoul 150-105
 REPUBLIC OF KOREA

Product: Power driven parking system of motor vehicles
(P+SMART PARKING)

Model(s): SM4L, SM5L, SM6L, SM7L, SM8L, SM9L, SM10L, SM11L, SM12L, SM13L, SM14L, SM15L, SM16L

Parameters:

SM4L	
Rated input voltage:	380 V a.c., 3 Phase
Rated frequency:	50/60 Hz
Rated input current:	15 A
Protection class:	I
Motor:	5.5 kW X 4P
Speed:	3.2 m/min

Remark) Please see the attachment.

Tested according to: EN ISO 12100:2010
 EN 14010/A1:2009
 EN 60204-1/AC:2010

This Attestation of Conformity is issued on a voluntary basis according to Council Directive 2006/42/EC relating to machinery. It confirms that the listed equipment (not Annex IV equipment) complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Test report no.: MAEB01005314





Date, 2015-02-13 (Yong-Sam Choi)

CE After preparation of the necessary technical documentation as well as the EC declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

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TUV®

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

Attestation of Conformity

No. M8A 15 02 60033 008

Holder of Certificate: DONGYANG PC, INC.
 413-B, WoolimLionsValley 18
 Yangpyeong-Dong 5GA, Yungdeungpo-Gu
 Seoul 150-105
 REPUBLIC OF KOREA

Product: Power driven parking system of motor vehicles
(P+SMART PARKING)

This Attestation of Conformity is issued on a voluntary basis according to Council Directive 2006/42/EC relating to machinery. It confirms that the listed equipment (not Annex IV equipment) complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Test report no.: MAEB01005515

Date, 2015-02-13





(Yong-Sam Choi)

CE After preparation of the necessary technical documentation as well as the EC declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

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TUV®



DONGYANG PC, INC.

B413 Woolim Lions Valley, 18 Yangpyong 5ga,
Yeongdeungpo-gu, Seoul, Korea

Tel : +82 - 2 - 2638 - 7750~2

Fax : +82 - 2 - 2638 - 7753

Email : dysmart@hotmail.com dypark@dysmart.com

Website: www.dysmart.com