

JUNGWOO

**PIONEER IN
SOLAR PANEL STEEL STRUCTURE
SINCE 1988**

BEYOND. BETTER. BEST

INNOVATION IN STEEL



GREETINGS

FROM JUNGWOO

As one of the leading firms in the coil and metal sheet processing industry, we have focused on making the difference in the technology of roll-forming machinery since the company was established in 1988.

JUNGWOO EMC's reputation has been made through providing only the highest quality products and services to our clients by using our own guidelines called "Honesty and Professionalism".

As our new motto 3Bs states; "Beyond, Better, Best", we pursue to be beyond, better and the best with our customers as truthful partners, and we will not hesitate to make the changes that are required to gain such accomplishments.

Thank you kindly for showing your interest in JUNGWOO EMC. Please join us to explore and find the next great frontier together.



1990s

- **1988.07** Established Jungwoo Machinery
- **1992.06** Established Jungwoo EMC CO., LTD.
- **1904.05** Awarded as one of the “Innovative enterprises with potential” by Ministry of Trade, Industry and Energy
- **1997.08** A member of Korea Metal Industry Cooperative
- **1987.08** Utility model patent for assembly pipes(No.21805)
Utility model patent for assembly pipes(No.16860)
Patent for Guard rails(No.18687)
Design patent for guardrails (No.18688)
Design patent for guardrails(No.18689)
Design patent for guardrails(No.18690)
- **1987.12** ISO 9001 Certificate (SGS Yarsley ICS)
- **1998.02** Registered supplier of KORAIL(Korea Railroad)
- **1998.08** License Agreement with MM SYSTEM CO., U.S.A
- **1999.06** Registered supplier of KEPCO (Korean Electric Power Corporation)



JUNGWOO EMC CO., LTD.

“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”

2000s

- **2001.10** Changed corporate name to Jungwoo EMC
- **2004.11** Obtainment of Korean Standard Certificate, Quality Certificate by KSA (Korean Standards Associate)
- **2007.07** Initial development of Solar steel structure solution
- **2008.11** Export Award given by KITA (Korea International Trade Association)
- **2009.09** Relocation of Headquarter to Kyunggido, Hwa-Seong
- **2009.11** Export Awards given by KITA (Korea International Trade Association)
- **2010.03** Official supplier of production line for Steel-house project for minority group led by POSCO
- **2010.03** Awarded as one of the “Innovative enterprises” by SMBA (Small and Medium Business Administration)
- **2010.06** Awarded as one of the “Export Specialized Businesses” by SMBA (Small and Medium Business Administration)
- **2011.11** Obtainment of Patent for Roll-forming leveling device which eliminates spring-back effect of forming beam.
- **2011.12** Establishment of the regional Production Factory in U.A.E, Dubai (JUNGWOO EMC MIDDLE EAST FZE)
- **2011.12** Initial Production of cable-trays and Q.E.B system at the regional factory in Dubai



JUNGWOO EMC CO., LTD.

“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”



2010s

- **2012.04** Obtainment of Patent (No.10-1216042) for production method for punching-style cable tray
- **2012.06** Official cable-tray supplier for Lotte Construction for IPP3 Power Project in Jordan
- **2013.01** Official cable-tray supplier for STX Construction for Jubair Oil Field in Iraq
- **2014.06** Solar Steel structure supplier for Solar Farm Hinagu Co.,
- **2014.07** Initial solar Steel structure exported to Japan(10MW)
- **2014.10** Obtainment of Patent (No.10-1573239) for solar steel structures
- **2014.12** Initial sales of patented solar steel structures (32.5MW)

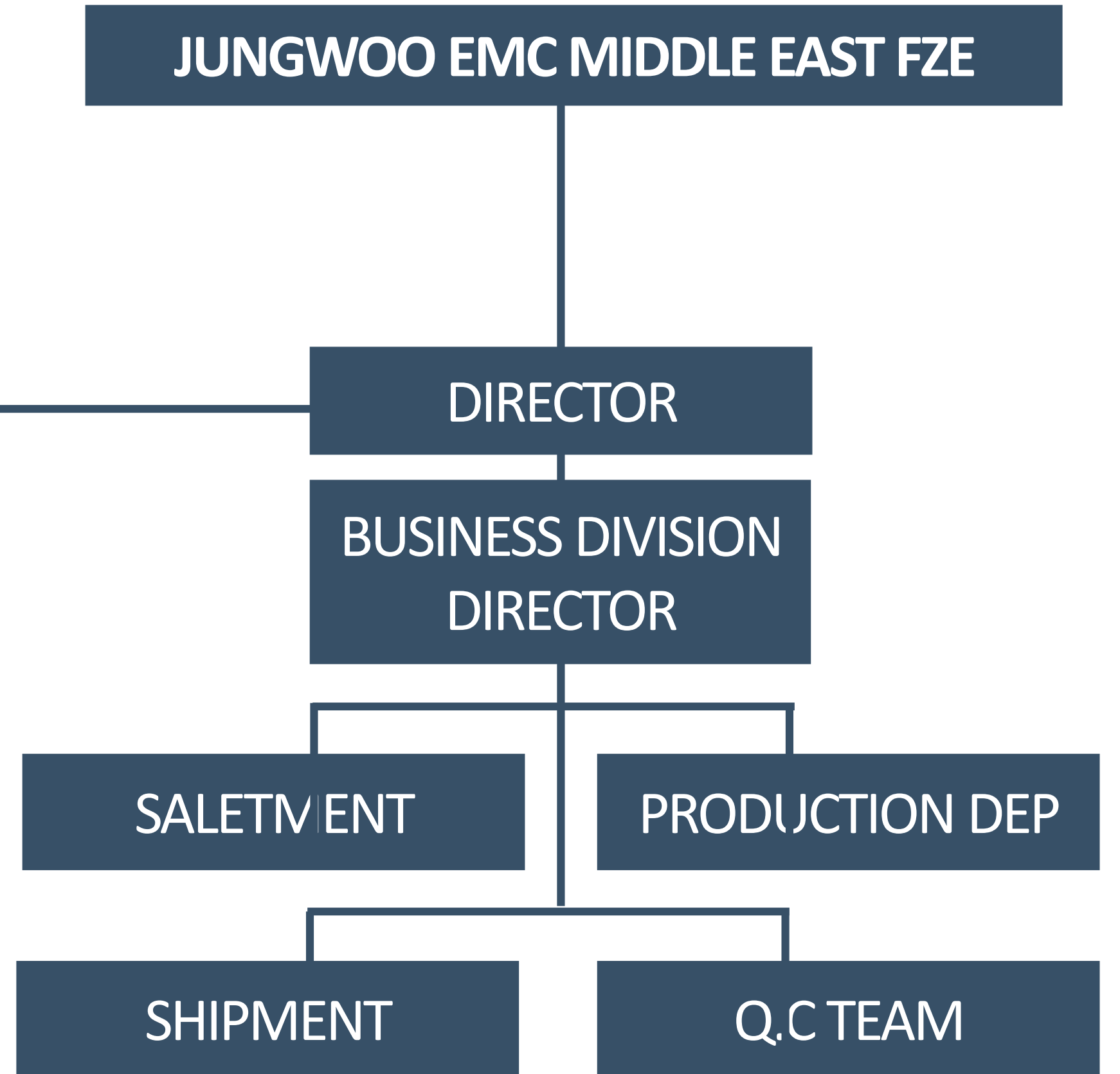
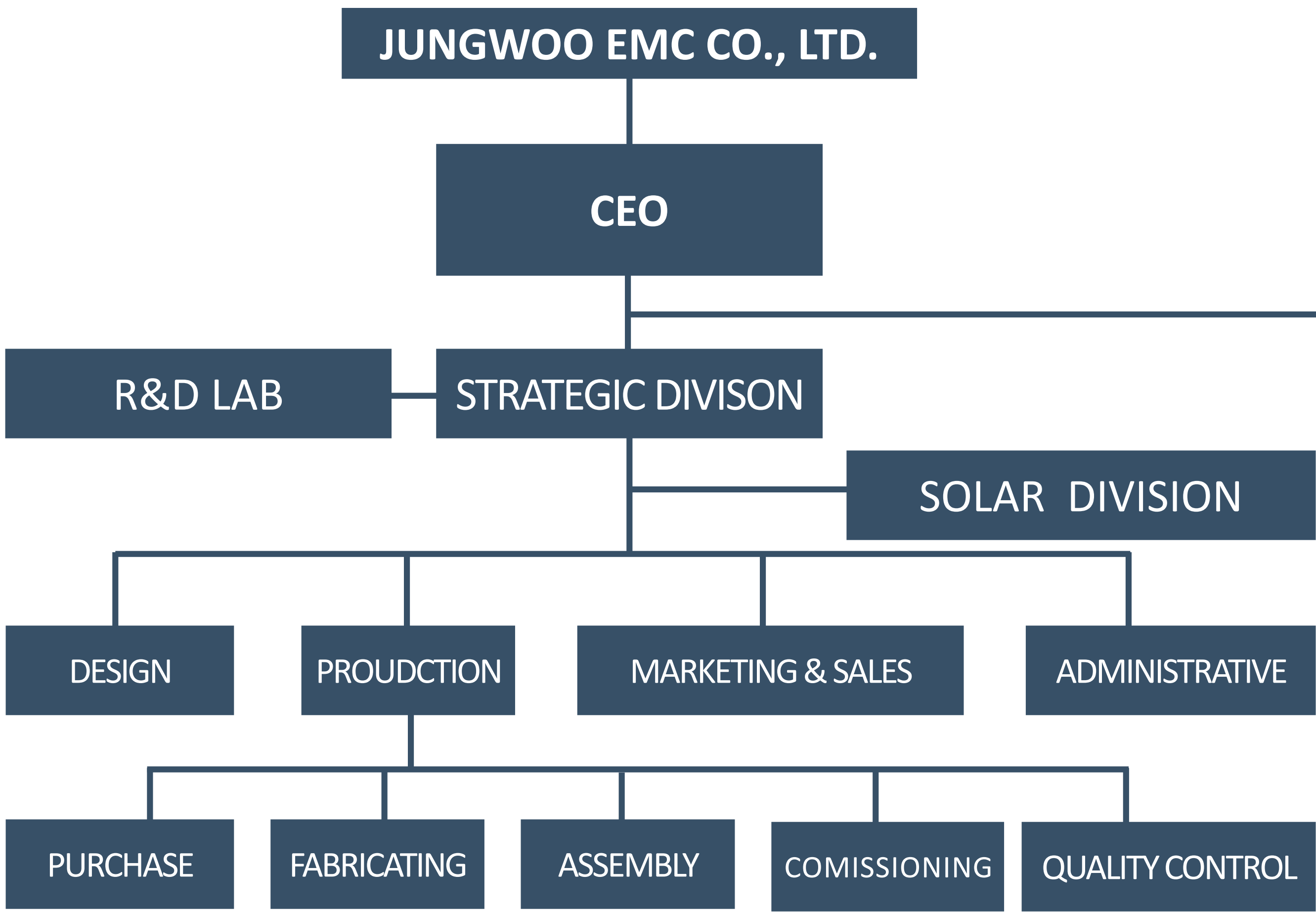


JUNGWOO EMC CO., LTD.

“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”



Organization Chart



	JUNGWOO EMC. KOREA INC	JUNGWOO EMC. MIDDLE EAST
CEO	SEUNG TAE KANG	
Location	37-3, Jukgokri, Woojeong, Hwaseongsi, Kyunggi Province	PLOT No. MB-50, HAMRIYAH FREE ZONE – SHARJAH UAE
Contact	TEL:82 031 354 0292 FAX: 82 031 354 0298	TEL :971 6 526 4522 FAX:971 6 526 4523
Capital	10millions (Korean Won)	150thousand (AED)
Asset	87millions (Korean Won)	1.0million (AED)
Lot Area	14,500m ²	13,500m ²
Factory Size	6,500m ²	10,000m ²
Office Size	900m ²	3,500m ²

AUTO-PUNCHING AND ROLL-FORMING LINE (Design/Building production lines)

**DEVELOPMENT OF ROLL-FORMING PRODUCTION LINES
(CABLE TRAY, GUARD-RAILS, CABINET BOX AND MORE)**

DEVELOPMENT OF SPECIAL MOLDS

TOLL PROCESSING OF CUSTOMIZED PRODUCTS

PROFILE PRODUCTS (Manufacturing and sales of profiles)

SOLAR PANEL FRAME STEEL STRUCTURE)

Q.E.B LIGHT WEIGHT STEEL STRUCTURE BUILDING)

CABLE TRAY PRODUCTION

MCC PANEL (RACK, DECK, ROOF, WALL PANEL)

ROAD PRODUCTS (GUARD-RAILS, SOUND PROOF WALLS)

AUTOMOBILE PARTS

OUR CUSTOMERS





JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”



BSCIC Certifications Pvt. Ltd.
Certificate Of Registration

QUALITY MANAGEMENT SYSTEM

This is to certify that:

JUNGWOO EMC MIDDLE EAST FZE
PLOT. NO.: 50, HAMRIYA FREE ZONE
SHARJAH MB ZONE, P.O.BOX 42323
SHARJAH, UNITED ARAB EMIRATES

Hereby granted the Certificate Number : **BN8639/7665:1213**

Subsequent to the assessment conducted on 05-Dec-2013 and the organisation has been found to be operating a Quality Management System which complies with the requirements of

ISO 9001:2008
for the following scope :

Manufacture and Supply of Electrical Cable Tray & QEB System

Originally Registered: 09 Dec 2013 Latest issue: 09 Dec 2013 Expiry Date: 08 Dec 2016

For **BSCIC CERTIFICATIONS PVT.LTD.**

Page 1 of 1

Sanjay Seth
Managing Director

Validity of this Certificate is subject to Annual Surveillance Audits to be done Successfully on or before 05-Dec-2014 and 05-Dec-2015 resp. (In case if Surveillance Audit is not allowed to be conducted; this Certificate shall be Suspended/Withdrawal).

Please re-check the validity thereafter at <http://bscic.com/admin/control/certificasssstatus.php> or www.bscic.com at REGISTRATION STATUS. This Certificate of Registration is granted subject to relevant provisions of the BSCIC Certifications PVT. LTD. Contract Terms & Scheme for Registration Form B018 (Latest Version). Please see B 018 at our website www.bscic.com. The certificate of Registration remains the property of BSCIC Certifications Pvt. Ltd. and shall be returned immediately upon request. BSCIC Headquarters: 11nd Floor, SCO 150, Sector - 21 C, Faridabad 121001 Haryana, INDIA

GOVERNMENT OF SHARJAH
Hamriyah Free Zone Authority

شهادة ترخيص
License Certificate

LICENSE NO.	8660	رقم الرخصة	
OPERATING NAME JUNGWOO EMC MIDDLE EAST FZE		الإسم التجاري جنفر اي ام سي ميڤال ايست م م ج	
LEGAL STATUS Free Zone Establishment		الشكل القانوني مؤسسة منطقة حرة	
TYPE OF LICENSE Industrial		نوع الرخصة صناعية	
ACTIVITY(S) MANUFACTURING OF ELECTRICAL CABLE TRAY AND QEB SYSTEMS		النشاط تصنيع طب الكابلات الكهربائية وأنظمة كبر اي سي	
OWNER(S) SE MIN KIM		المالك سي مين كيم	
MANAGER(S) SE MIN KIM		المدير المسؤول سي مين كيم	
ADDRESS Plot No. MB-50 Hamriyah Free Zone - Sharjah United Arab Emirates		المستودع قطعة أرض رقم المنطقة الحرة بالبحرية - الشارقة الإمارات العربية المتحدة	
PO BOX NO.	42323	صندوق	
ORIGINAL DATE ISSUE (dd/mm/yyyy)	15/12/2011	التاريخ الأصلي	
EXPIRY DATE (dd/mm/yyyy)	14/12/2013	تاريخ الانتهاء	
REMARKS Relocated From Plot No (MB-04) w.e.f 10/01/2012		ملاحظات تم الانتقال من قطعة أرض رقم (MB-04) بتاريخ 2012/01/10	

Authorized Signatory التوقيع

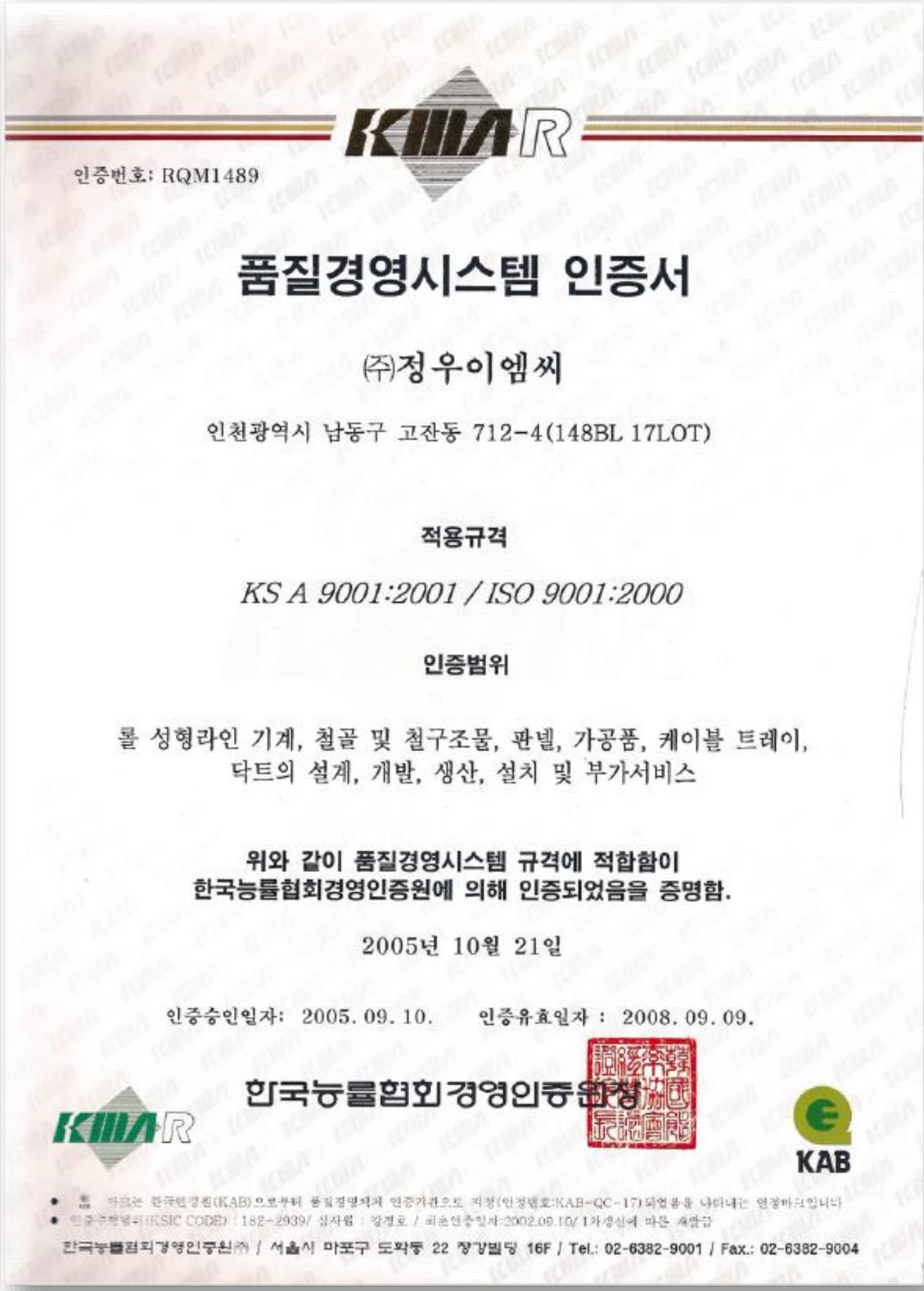
Authorized Signatory التوقيع

هذه الرخصة مبنية على استخدام المنطقة الحرة بالبحرية و صناعة لشيوط و بنو عند الجمارك والتأمين و الأقامة و التوافق للجهة في هيئة المنطقة الحرة بالبحرية
This license is valid for operation of the business in the free zone and subject to the terms and conditions of the license and the rules, regulations and policies of the Hamriyah Free Zone Authority

JUNGWOO EMC CO., LTD.

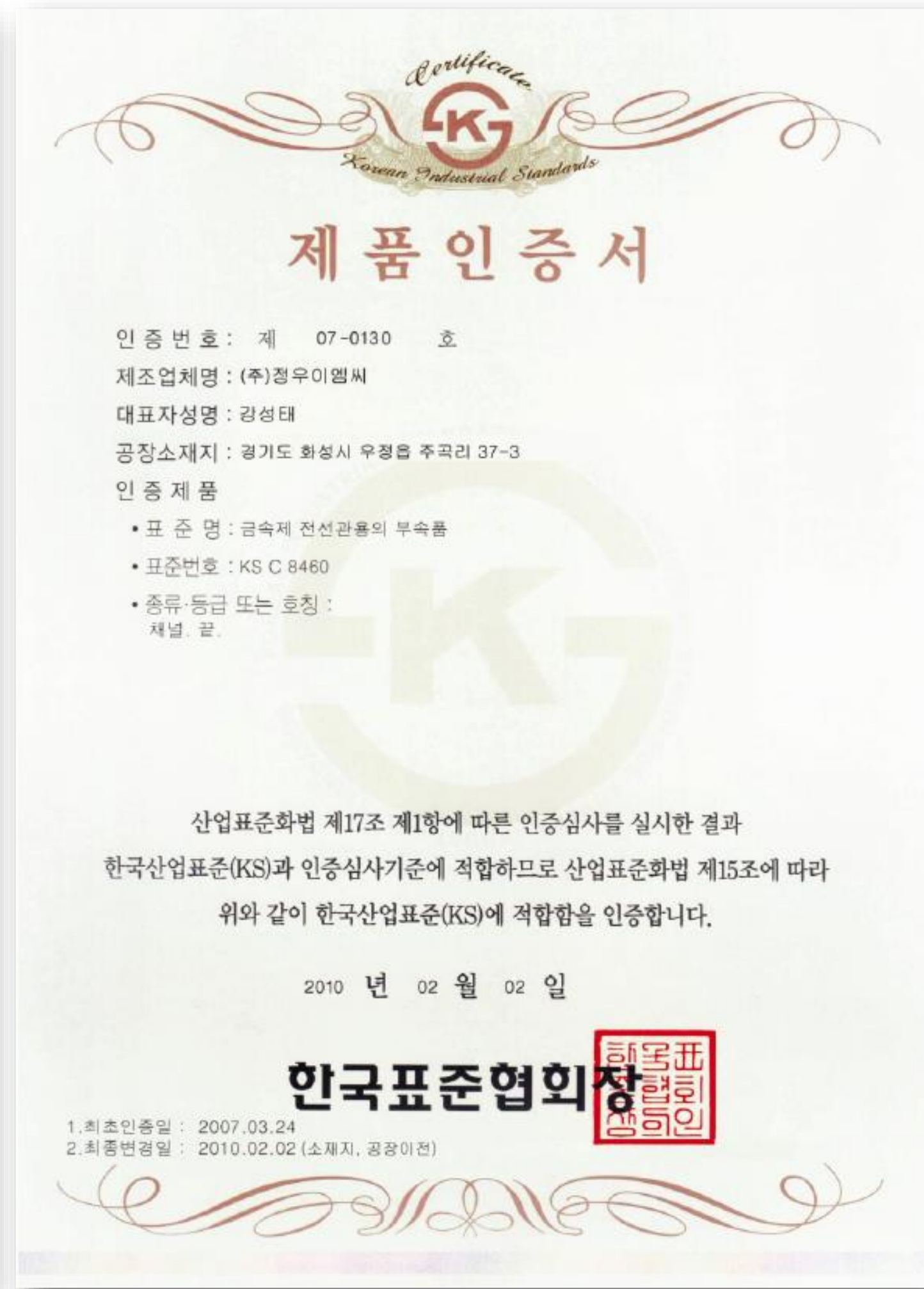
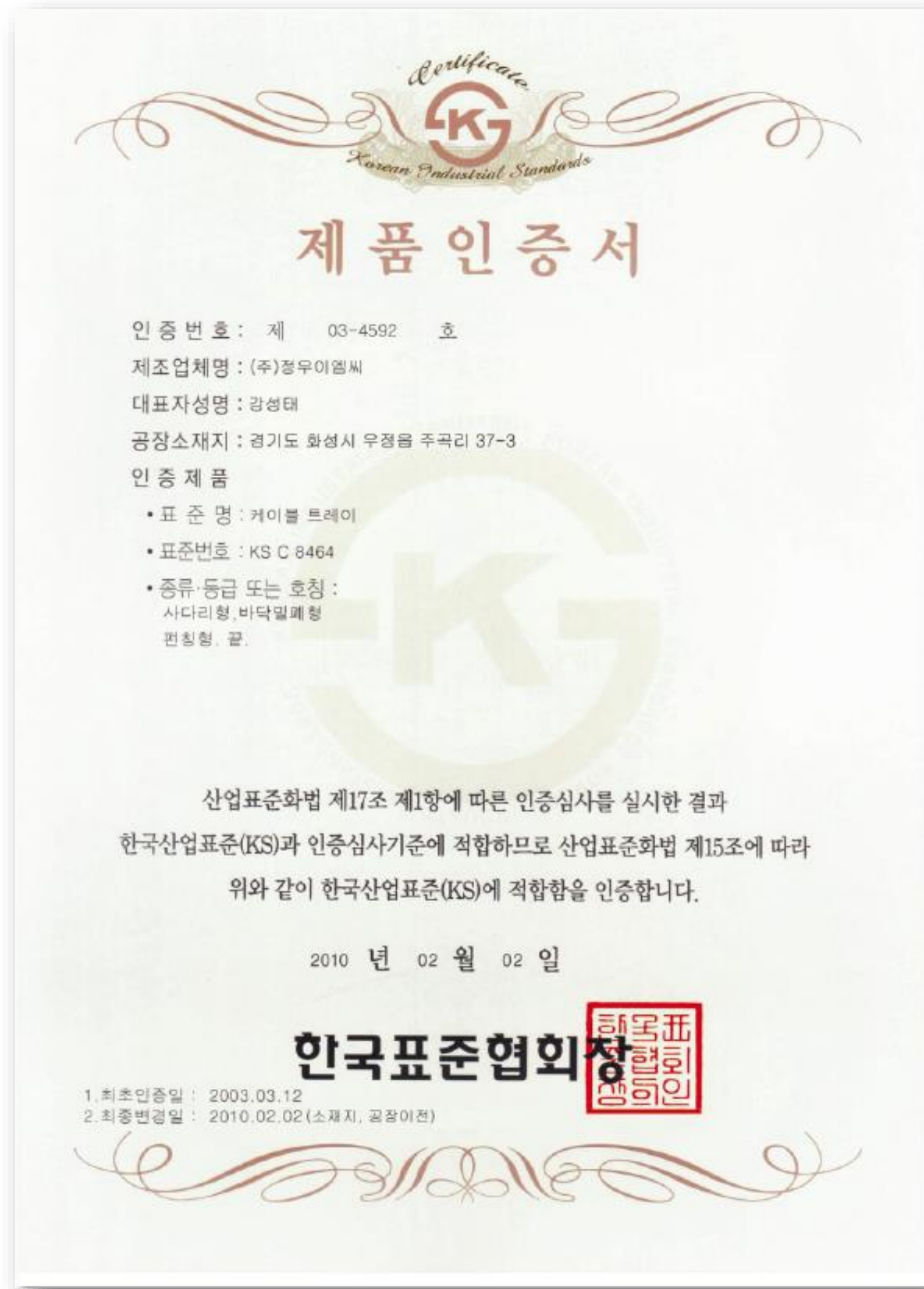
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”



YOUR PARTNER FOR THE BEST QUALITY

TEST REPORT

우 404-817 인천광역시 서구 가좌3동 539-8 TEL (032)5709-700 FAX (032)575-5613

성적서번호 : TAS-044888 접수 일자 : 2011년 12월 30일
 대표 자 : 강성태 시험완료일자 : 2012년 01월 06일
 업체 명 : (주)정우이엠씨
 주 소 : 경기 화성시 우정읍 주곡리 37-3

시 료 명 : Solid Bottom Tray 시험(GI,1.6 T)

시험결과

시험항목	단위	시료구분	결과치	시험방법
인장강도	N/mm ²	-	377	KS B 0802 : 2003(5호 시험편)
연신율	%	-	29	KS B 0802 : 2003(5호 시험편)
아연부착량(양면)	g/m ²	-	132	KS D 0201 : 2006(간접법:염화안티몬법)

용 도 : 품질관리용

비 고 : 1. 이 성적서는 의뢰자가 제시한 시료 및 시료명으로 시험한 결과로서 전체 제품에 대한 품질을 보증하지는 않습니다.
 2. 이 성적서는 홍보, 선전, 광고 및 소송용 등으로 사용될 수 없으며, 용도 이외의 사용을 금합니다.

2012년 01월 06일

Chung hyung han



시험원 : 정경한
Tel : 032-570-9685

Bob-Ki Kim

기술책임자 : 김복기
E-mail : kbk@ktr.or.kr

KTR 한국화학융합시험연구원장

Page : 1 of 1

YOUR PARTNER FOR THE BEST QUALITY

TEST REPORT

우 404-817 인천광역시 서구 가좌3동 539-8 TEL (032)5709-700 FAX (032)575-5613

성적서번호 : TAS-044890 접수 일자 : 2011년 12월 30일
 대표 자 : 강성태 시험완료일자 : 2012년 01월 06일
 업체 명 : (주)정우이엠씨
 주 소 : 경기 화성시 우정읍 주곡리 37-3

시 료 명 : Hi-tec Tray 시험(GI,1.2 T)

시험결과

시험항목	단위	시료구분	결과치	시험방법
인장강도	N/mm ²	-	358	KS B 0802 : 2003(5호 시험편)
연신율	%	-	29	KS B 0802 : 2003(5호 시험편)
아연부착량(양면)	g/m ²	-	121	KS D 0201 : 2006(간접법:염화안티몬법)

용 도 : 품질관리용

비 고 : 1. 이 성적서는 의뢰자가 제시한 시료 및 시료명으로 시험한 결과로서 전체 제품에 대한 품질을 보증하지는 않습니다.
 2. 이 성적서는 홍보, 선전, 광고 및 소송용 등으로 사용될 수 없으며, 용도 이외의 사용을 금합니다.

2012년 01월 06일

Chung hyung han



시험원 : 정경한
Tel : 032-570-9685

Bob-Ki Kim

기술책임자 : 김복기
E-mail : kbk@ktr.or.kr

KTR 한국화학융합시험연구원장

Page : 1 of 1

YOUR PARTNER FOR THE BEST QUALITY

TEST REPORT

우 404-817 인천광역시 서구 가좌3동 539-8 TEL (032)5709-700 FAX (032)575-5613

성적서번호 : TAS-044891 접수 일자 : 2011년 12월 30일
 대표 자 : 강성태 시험완료일자 : 2012년 01월 06일
 업체 명 : (주)정우이엠씨
 주 소 : 경기 화성시 우정읍 주곡리 37-3

시 료 명 : Hi-tec Tray 시험(5y-7/1,분체)

시험결과

시험항목	단위	시료구분	결과치	시험방법
염수분무시험(중성, 48 h)후 부풀음, 녹발생유무	-	-	이상없음	KS D 9502 : 2009

용 도 : 품질관리용

비 고 : 1. 이 성적서는 의뢰자가 제시한 시료 및 시료명으로 시험한 결과로서 전체 제품에 대한 품질을 보증하지는 않습니다.
 2. 이 성적서는 홍보, 선전, 광고 및 소송용 등으로 사용될 수 없으며, 용도 이외의 사용을 금합니다.

2012년 01월 06일

Jin-Bong Kim



시험원 : 김진봉
Tel : 032-570-9664

Seong-H Kwon

기술책임자 : 권성일
E-mail : ksn@ktr.or.kr

KTR 한국화학융합시험연구원장

Page : 1 of 1


JUNGWOO EMC CO., LTD.

" BETTER MACHINE, BELIEVE IN TECHNOLOGY "





ROLL-FORMING LINES

A pioneer of the roll-forming and punching line industry with expertise based on 30 years of experience. A registered supplier of POSCO, LG electric and Hyundai Heavy Industries.

Our production line can be applied to manufacturing

- Automobile parts
- Guard rails
- Rack and Pallet system line
- Q.E.B (pre-engineered buildings)
- Precision profiles
- Cable trays
- Solar mounting steel structures

Roll-forming and Punching Line	Width adjust Roll-forming machine
<ul style="list-style-type: none"> •Production speed up to 10m/min •Profile wall thickness up to 5.0mm •Cassette type roll change •Out of standard length •Perfect for dimensional accuracy ($\pm 0.3\text{mm}$) 	<ul style="list-style-type: none"> •Forming speed up to 30m/min •Wall thickness up to 3.2mm •Automatic width adjustment •Profile length 4~ meters length •Non-stop flying and punching and cutting •Automatic stacking



ROLL-FORMING LINES FOR SOUND PROOF WALL



UNCOILER



LEVELLER



ROLL-FORMING LINES FOR SOUND PROOF WALL



ROLL-FORMING & SHEARING MACHINE



ROLL-FORMING LINES FOR SOUND PROOF WALL



FORMING ROLLER



CASSETTE STAGE

ROLL-FORMING LINES FOR MANY APPLICATIONS



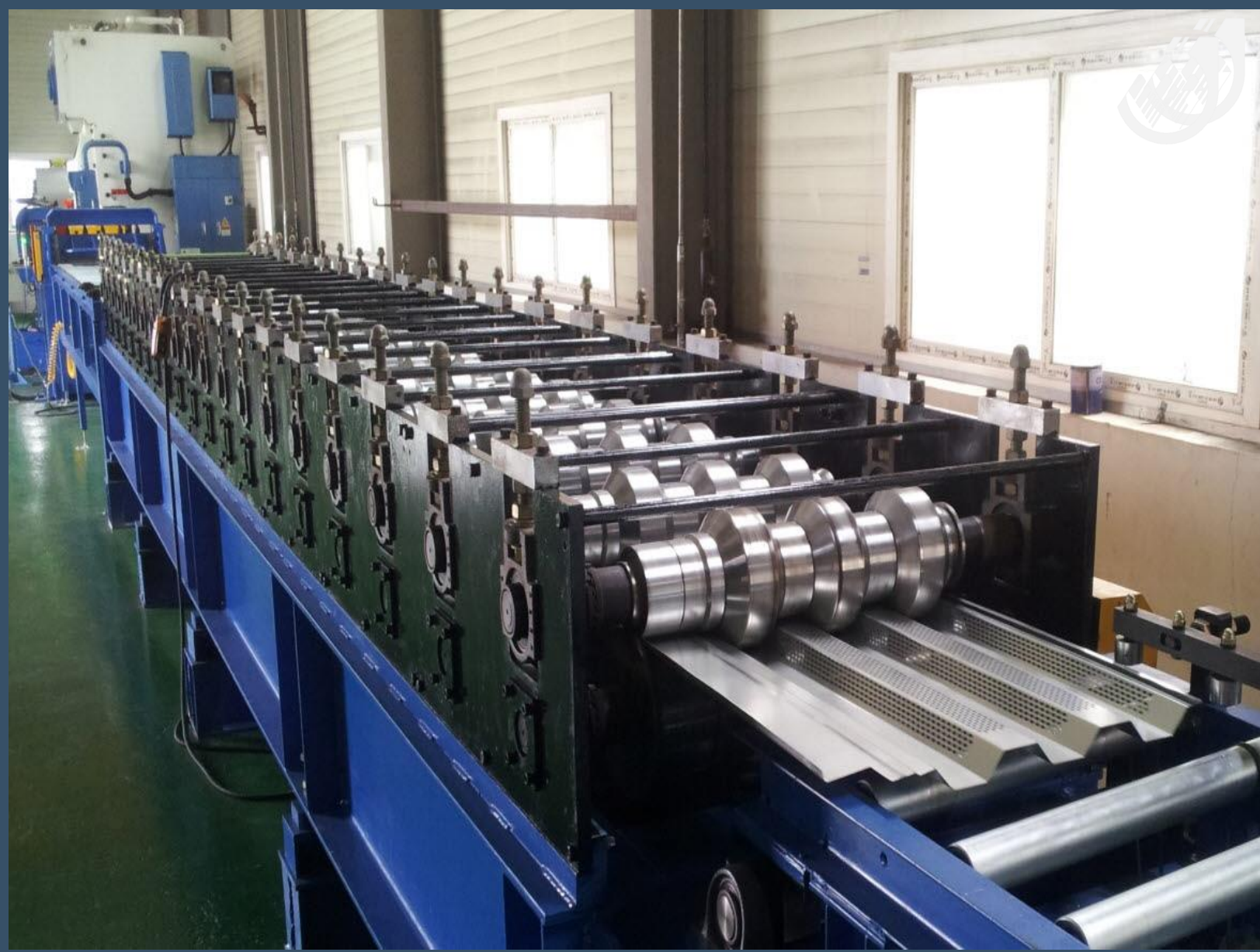
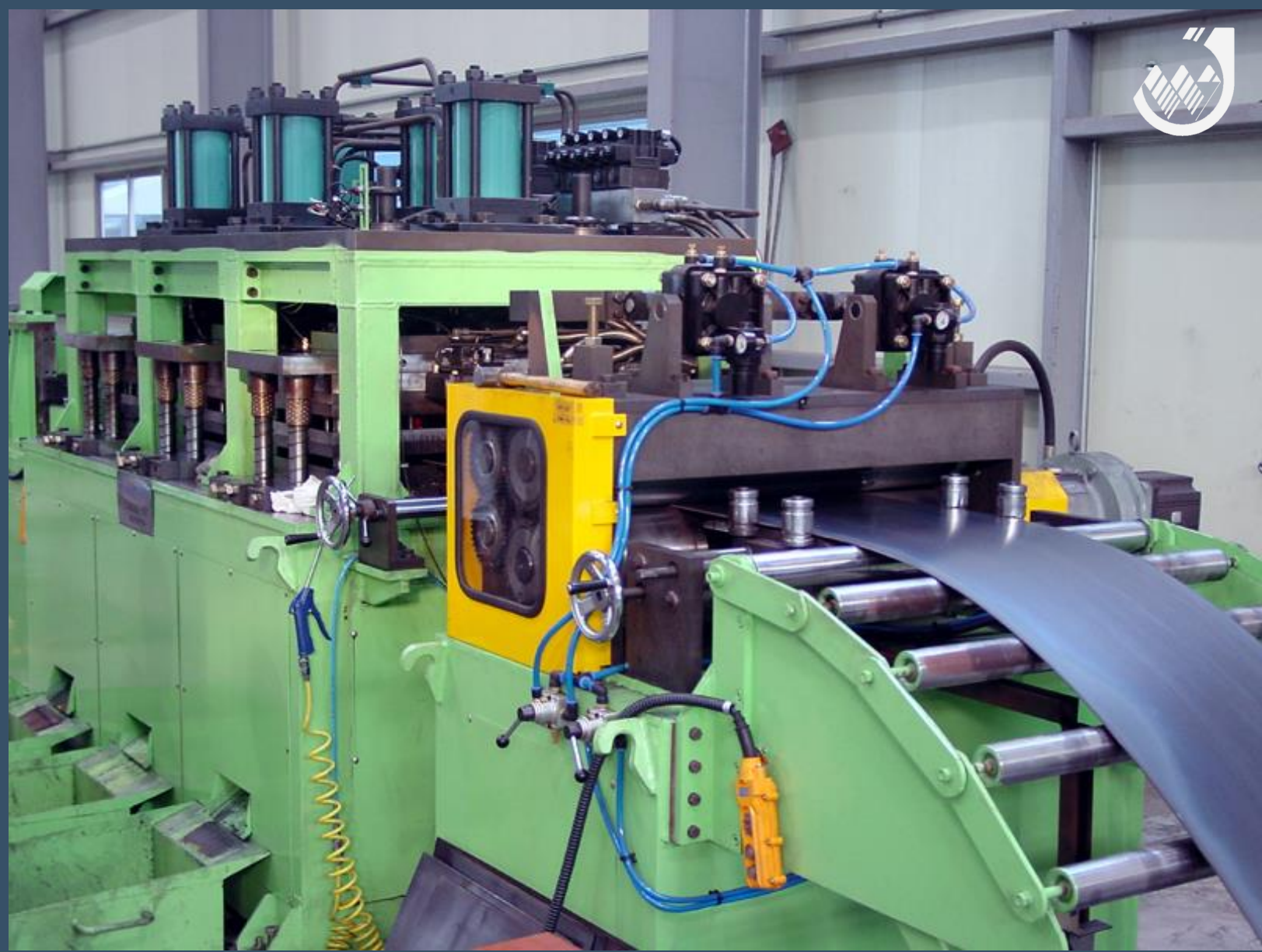


ROLL-FORMING LINES FOR MANY APPLICATIONS





ROLL-FORMING LINES FOR MANY APPLICATIONS





ROLL-FORMING LINES FOR MANY APPLICATIONS





PAST PROJECTS

- | | | | |
|---|--|---|--|
| 1 | CLIENT : DOLPHIN STEEL (CANADA)
YEAR : 2007
EQUIPMENT : AUTO ROLLFORMING/PUNCHING LINE | 5 | CLINET : SFFE CO.(KUWAIT)
YEAR : 2007
EQUIPMENT : CABINET BOX PROCESSING LINE |
| 2 | CLINET : SKY CLAD (IRELAND)
YEAR : 2007
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE | 6 | CLINET : DIVINE HOPE USA (USA)
YEAR : 2007
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE |
| 3 | CLIENT : ALMEER IND CO. (KUWAIT)
YEAR : 2007
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE | 7 | CLIENT : UNITECH-IKK GROUP (U.A.E. DUBAI)
YEAR : 2008 03
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE |
| 4 | CLIENT : GORTORGNAB GROUP (RUSSIA)
YEAR : 2007
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE | 8 | CLIENT : TRANSBAREIRS (RUSSIA)
YEAR : 2009
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE |



JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





PAST PROJECTS

- | | | | |
|-----------|--|-----------|--|
| 9 | CLIENT : EVRO-DOM (RUSSIA)
YEAR : 2009
EQUIPMENT : AUTO ROLLFOMRING/PUNCHING LINE | 13 | CLIENT : JUNGWOO FZE (U.A.E)
YEAR : 2013
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE |
| 10 | CLIENT : TOCHINVEST (RUSSIA)
YEAR : 2010
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE | 14 | CLIENT : JUNGWOO FZE (U.A.E)
YEAR : 2014
EQUIPMENT : U-CHANNEL PRODUCTION LINE |
| 11 | CLIENT : VANO GROUP (IRAQ)
YEAR : 2011
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE | 15 | CLIENT : OKS (RUSSIA)
YEAR : 20016
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE |
| 12 | CLIENT : METROSTROY LLC (RUSSIA)
YEAR : 2013
EQUIPMENT : AUTO ROLLFOMRING/ PUNCHING LINE | | |



JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





CLIENT: TOCHINVEST
TYPE : GUARD RAIL PRODUCTION LINE
YEAR : 2009



CLIENT: UNITEC(UAE)
TYPE : CABLE TRAY PRODUCTION LINE
YEAR : 2008



CLIENT: POSCO(KOREA)
TYPE : LIGHT FRAME PRODUCTION LINE
YEAR : 2011



JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





CLIENT: POSCO(KOREA)
TYPE : STEEL HOUSE
PRODUCTION LINE
YEAR : 2011



CLIENT: SUNGWON ACE(KOREA)
TYPE : DECK GRATING
PRODUCTION LINE
YEAR : 2012



CLIENT: METROSTOY(RUSSIA)
TYPE : C-CHANNEL & ANGLE LINE
YEAR : 2012



JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





OUR COMPETITIVE EDGE



·FULL AUTO ROLL-FORMING LINE DIRECTLY FROM A SUPPLIER MEANS APPEALING **PRICE, EASY MODIFICATION AND RELIABLE WARRANTY**

·VARIOUS PROFILES CAN BE DESIGNED BASED ON **30YEARS OF EXPERIENCE IN ROLLFORMING**

·VARIOUS PROFILES MEANS MEETING **EVERY POSSIBLE DEMANDS OF END-USERS**



JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”

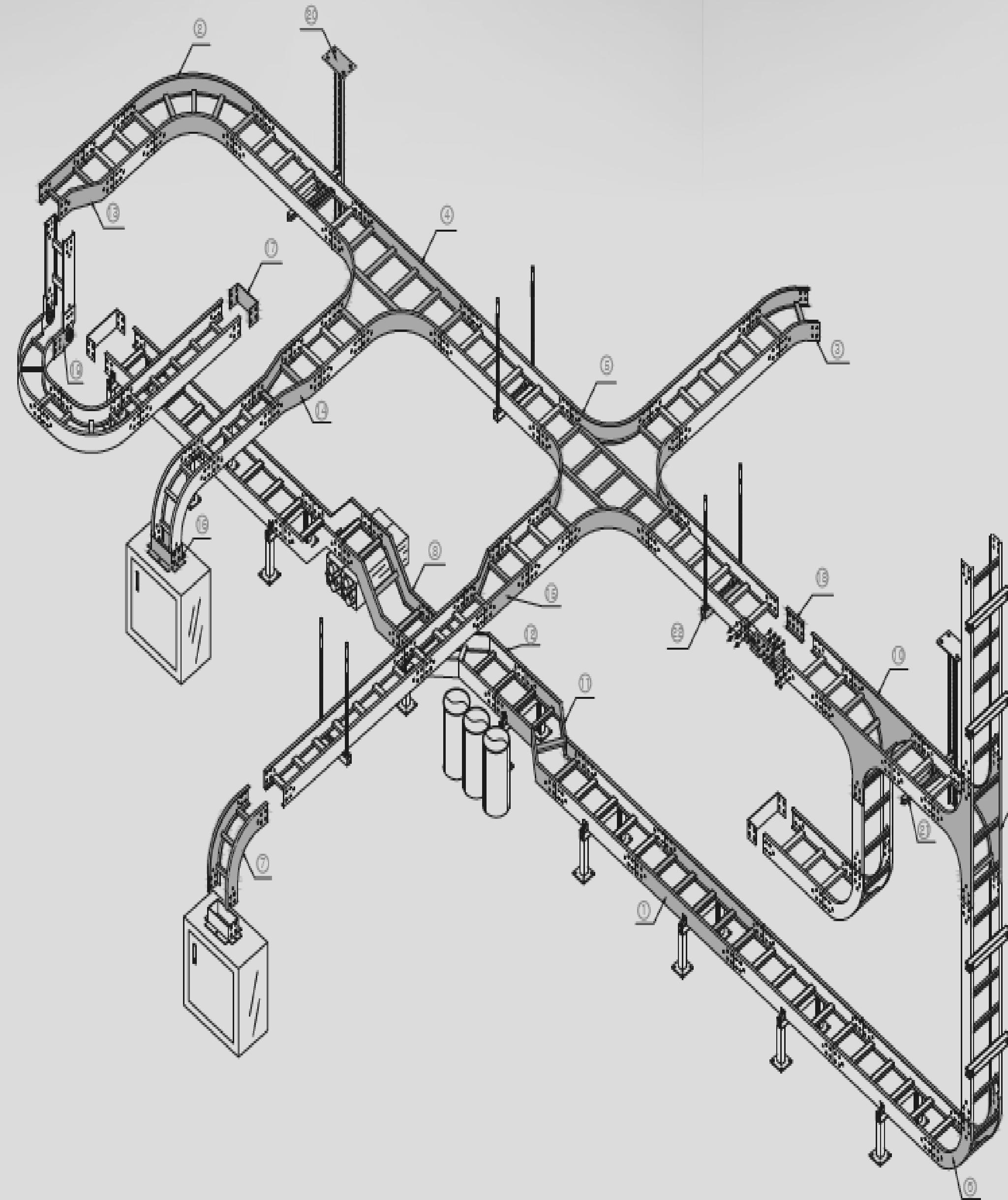


CABLE TRAYS

Since 1988, we have utilized our roll-forming expertise to produce Cable trays. Our manufacturing line is far more efficient than our competitors' in terms of price and time due to utilization of our own cable tray production line. We have numerous patents which allowed us to meet the demand of our customers standards as well which resulted in us exporting cable trays to many countries including U.A.E(Dubai). Our product line consists of pc ladder tray, hi-tec tray, ladder tray, perforated tray and many more.

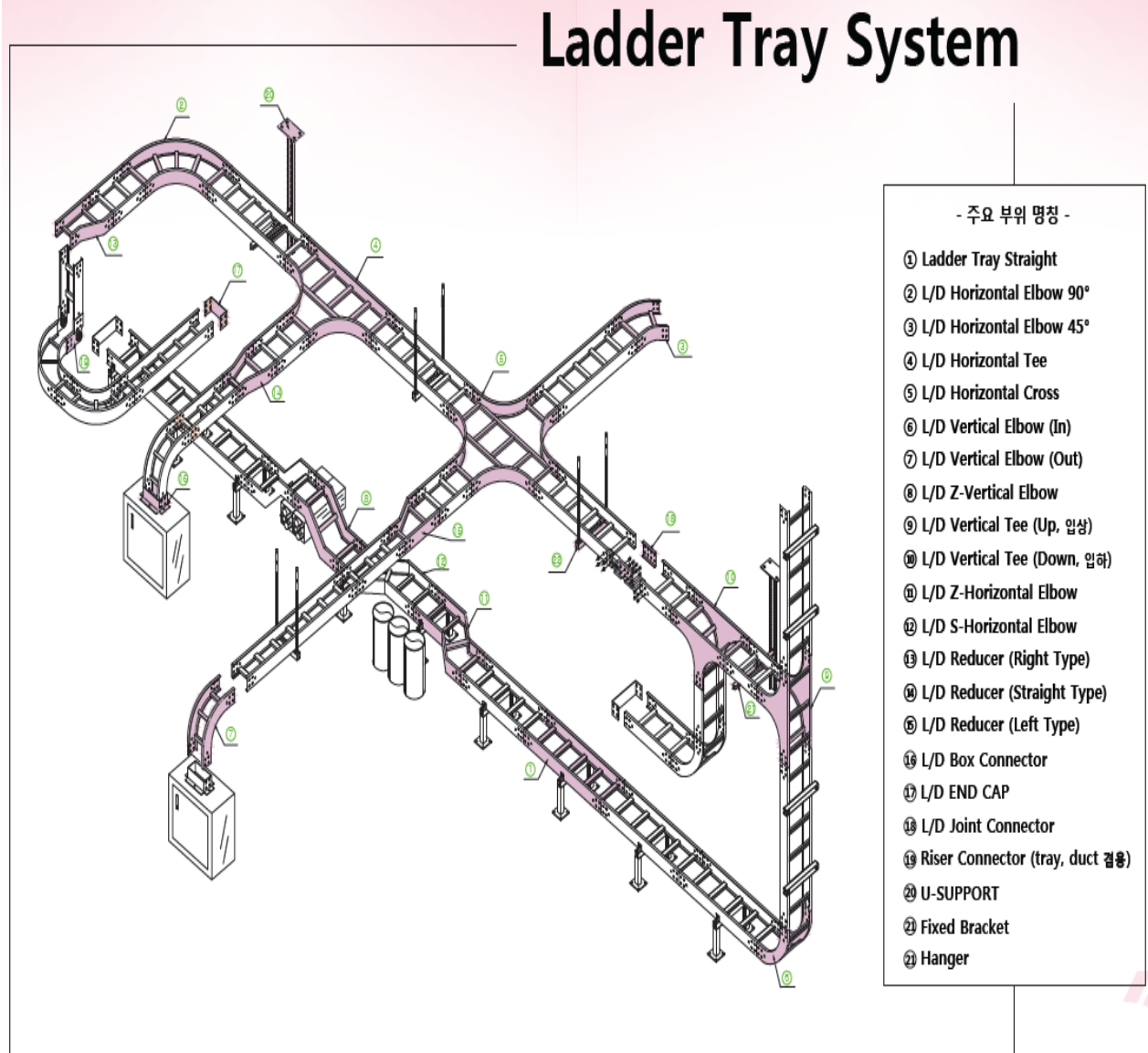
※PRODUCT CATALOGUES AND PRODUCT SPECIFICATION CAN BE PROVIDED UPON YOUR REQUEST

Ladder Tray System



- 주요 부위 명칭 -

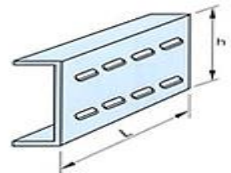
- ① Ladder Tray Straight
- ② L/D Horizontal Elbow 90°
- ③ L/D Horizontal Elbow 45°
- ④ L/D Horizontal Tee
- ⑤ L/D Horizontal Cross
- ⑥ L/D Vertical Elbow (In)
- ⑦ L/D Vertical Elbow (Out)
- ⑧ L/D Z-Vertical Elbow
- ⑨ L/D Vertical Tee (Up, 입상)
- ⑩ L/D Vertical Tee (Down, 입하)
- ⑪ L/D Z-Horizontal Elbow
- ⑫ L/D S-Horizontal Elbow
- ⑬ L/D Reducer (Right Type)
- ⑭ L/D Reducer (Straight Type)
- ⑮ L/D Reducer (Left Type)
- ⑯ L/D Box Connector
- ⑰ L/D END CAP
- ⑱ L/D Joint Connector
- ⑲ Riser Connector (tray, duct 겸용)
- ⑳ U-SUPPORT
- ㉑ Fixed Bracket
- ㉒ Hanger



LAY OUT OF THE CABLE TRAY SYSTEM

ALUMINUM TRAY ACCESSORIES

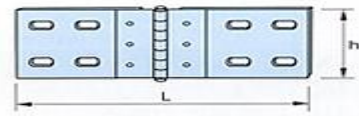
JOINT CONNECTOR



CATALOG NO.	SIDE RAIL (h)	DEPTH (h)	t
ALJC 150	150	160	2.5
ALJC 100	100	105	2.5
ALJC 70	70	75	2.0

UNIT : mm

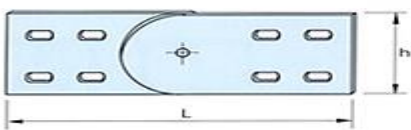
ADJUSTABLE HORIZONTAL CONNECTOR



CATALOG NO.	SIDE RAIL (h)	DEPTH (h)	t
ALAHC 150	150	160	2.5
ALAHC 100	100	105	2.5
ALAHC 70	70	75	2.0

UNIT : mm

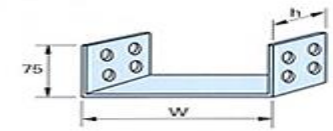
ADJUSTABLE RISER CONNECTOR



CATALOG NO.	SIDE RAIL (h)	DEPTH (h)	t
ALARC 150	150	160	2.5
ALARC 100	100	105	2.5
ALARC 70	70	75	2.0

UNIT : mm

BLAIND END PLATE



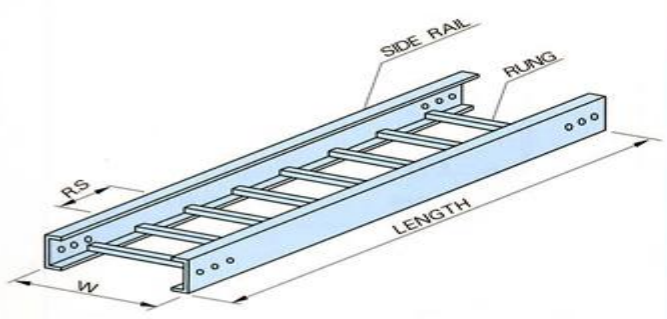
CATALOG NO.	W	t
ALBEP150	150	2.0
ALBEP300	300	2.0
ALBEP450	450	2.0
ALBEP600	600	2.0
ALBEP750	750	2.0
ALBEP900	900	2.0

UNIT : mm

PERFORATED TYPE

TRAY INSIDE OR OUTSIDE RAIL TYPE

70H



CATALOG NO.	WIDTH	RUNG SPACING	WEIGHT (kg/m)
B9J1-LST-1520	150	200	
B9J1-LST-1530	150	300	
B9J1-LST-2030	200	300	
B9J1-LST-3020	300	200	
B9J1-LST-3030	300	300	
B9J1-LST-4520	450	200	
B9J1-LST-4530	450	300	
B9J1-LST-6020	600	200	
B9J1-LST-6030	600	300	
B9J1-LST-7520	750	200	
B9J1-LST-7530	750	300	
B9J1-LST-9020	900	200	
B9J1-LST-9030	900	300	

UNIT : mm

TECHNICAL DATA

Standard Materials : Rolled Steel for General Structure (JIS G3101, SS400)
 Standard Finishes : Hot Dip Galvanized
 Constructions : Electro ARC or CO₂ or TIG Welding
 Standard Length : 3000mm, MAX. 6000mm
 Options : Stainless Steel

"B9" TYPE SIDE RAIL "J1" TYPE RUNG

ELEMENTS OF SECTION

Area of section : 4.24cm²
 Moment of inertia : 28.08cm⁴
 Section modulus : 8.02cm³

* Q'Ty of side rail : 2EA

PERMISSIBLE LOAD & DEFLECTION DIAGRAM

Deflection(δ u+δ c=δ)mm

Uniformly Distributed Load(kg/m)

Support Span (M)

Notes = Safety Factory : 2.0
 Allowable stress : 1200kg/cm²
 Beam Type : Simple Beam
 Concentrated Load(δ c) : 90kg

LADDER TYPE



JUNGWOO EMC CO., LTD.
 " BETTER MACHINE, BELIEVE IN TECHNOLOGY "





SOLAR MOUNT SOLUTION

Jungwoo has been a leading provider of roll-forming production line, Q.E.B system and cable tray since 1988. With our extensive experience in those fields, we are able to meet various types of needs covering the complete demand of solar panel structure industry.

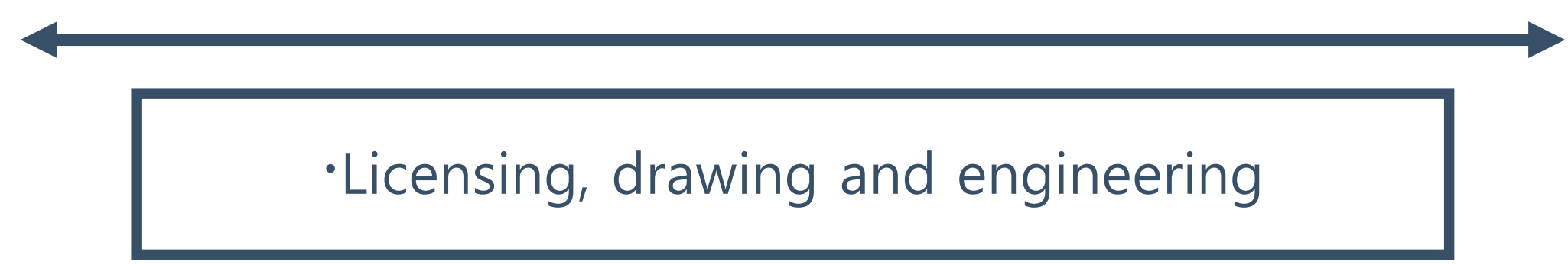
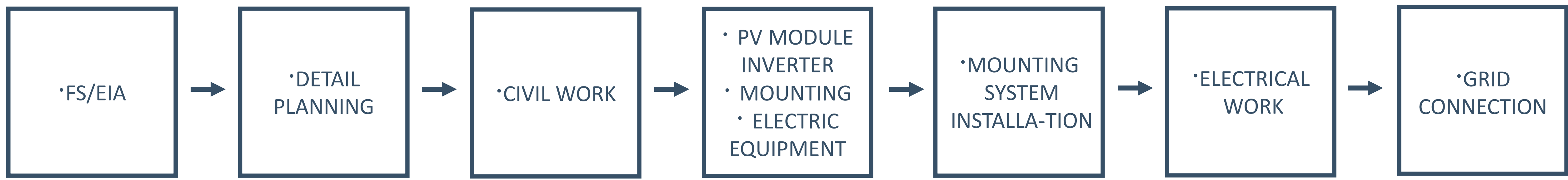
All of our steel frame are produced by the automatic production line which executes forming, cutting and punching with much accuracy and precision. Our automatic production line generates value by decreasing defective rates and raw material losses.

A constant dedication to the development and research of automatic production line allowed us to provide valuable products internationally. Our product line consists of screw ground mount system, manual tracker system, regular ground mount system and roof-top system.





PROCESS OF SOLAR MOUNT SOLUTION



•AUTO-HOLE PUNCHING, CUTTING, SHEARING BASED ON COMPUTER PROGRAMMING

•CONTINUOUS AND PRECISE SHEARING, PUNCHING, CUTTING AND BENDING PRODUCES EXCELLENT PRODUCTS
 •LESS TIME TO INSTALL
 •LESS MATERIAL TO PRODUCE



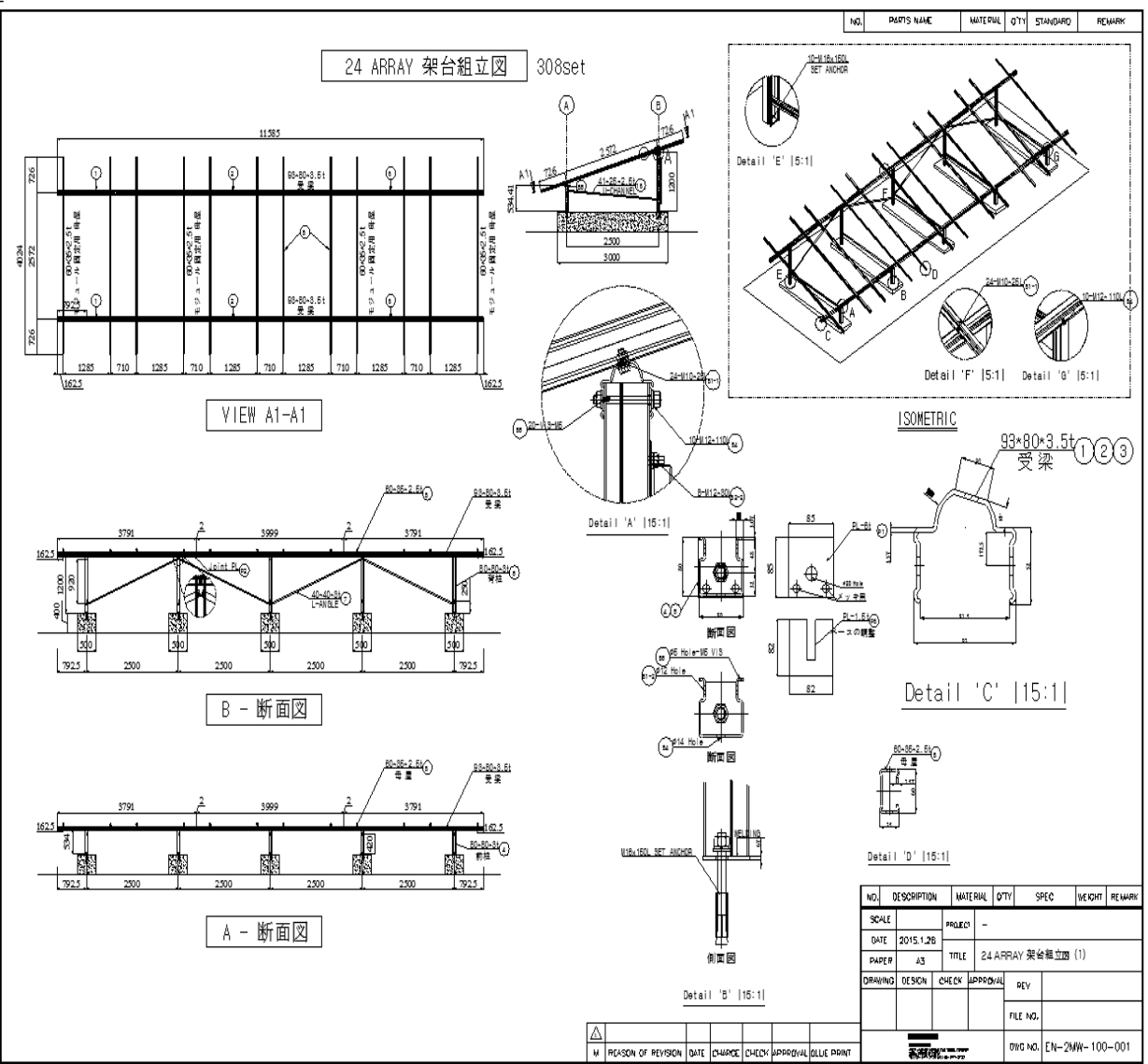
JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”





JUNGWOO

FIXED MOUNT SYSTEM



LAYOUT OF THE SYSTEM



GROUND WORK AND INSTALLATION



FINAL PRODUCTS

INSTALLATION : On concrete pad

RAKE ANGLE : 10~30°

PV MODULE : 4*3, 4*6, 4*12
(may vary depending on the layout)

MATERIAL : Hot-dip galvanized steel
(magnesium aluminum alloy coating)

Wind-Speed : 30~50m/sec

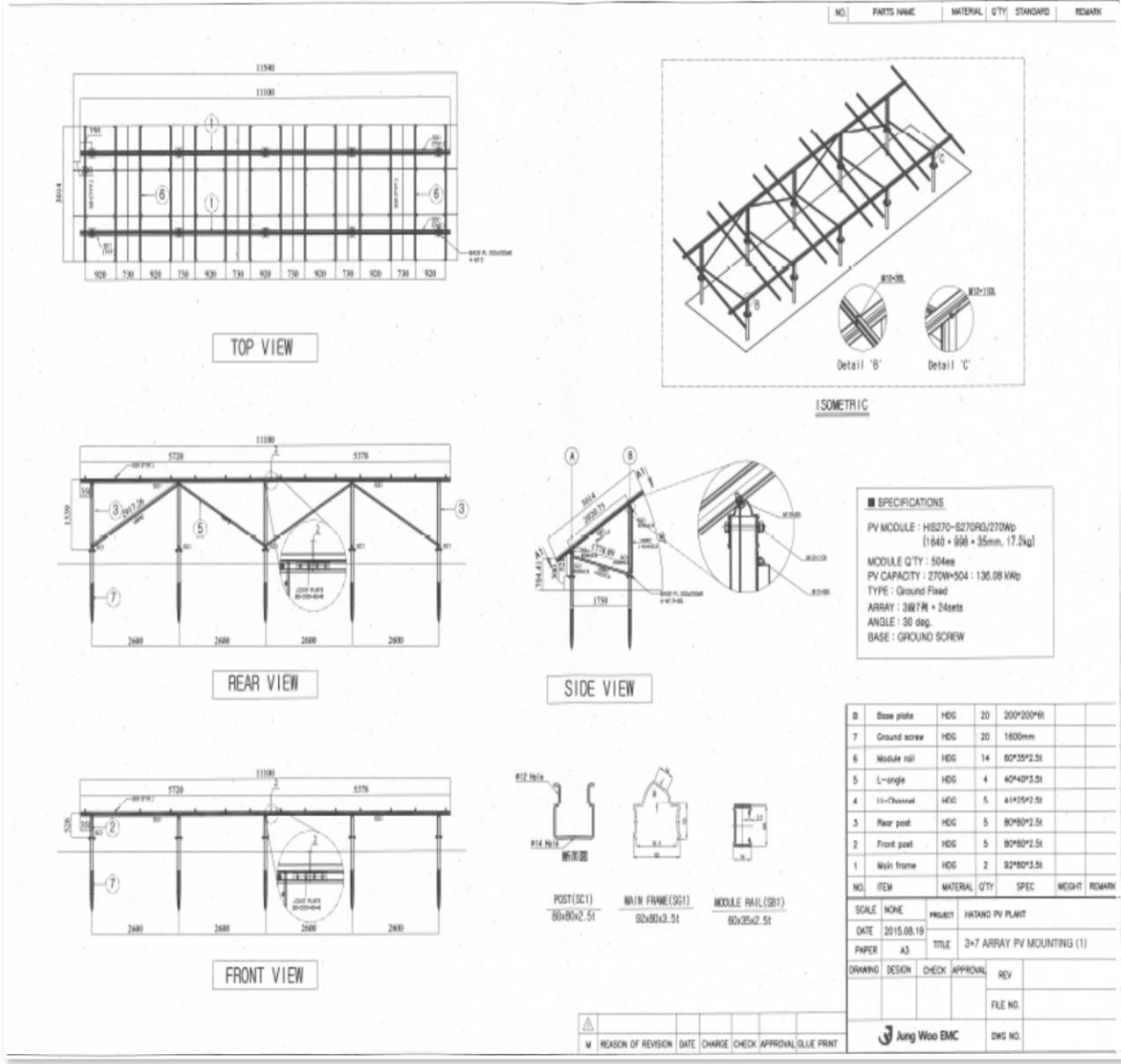
SNOW-LOAD : 500~800N/ m²



JUNGWOO EMC CO., LTD.
“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”



SCREW MOUNT SYSTEM



LAYOUT OF THE SYSTEM

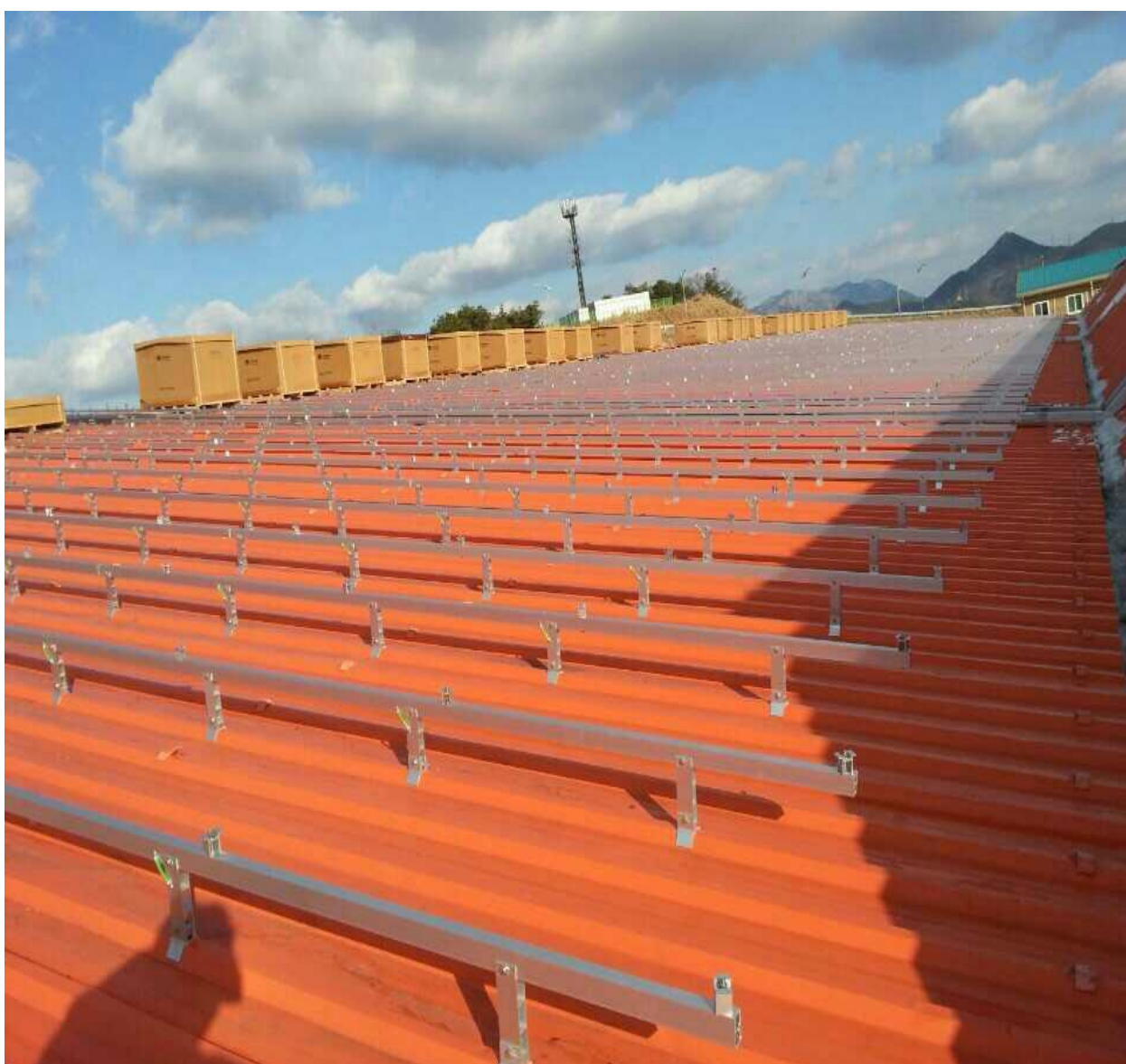


GROUND WORK AND INSTALLATION



FINAL PRODUCTS

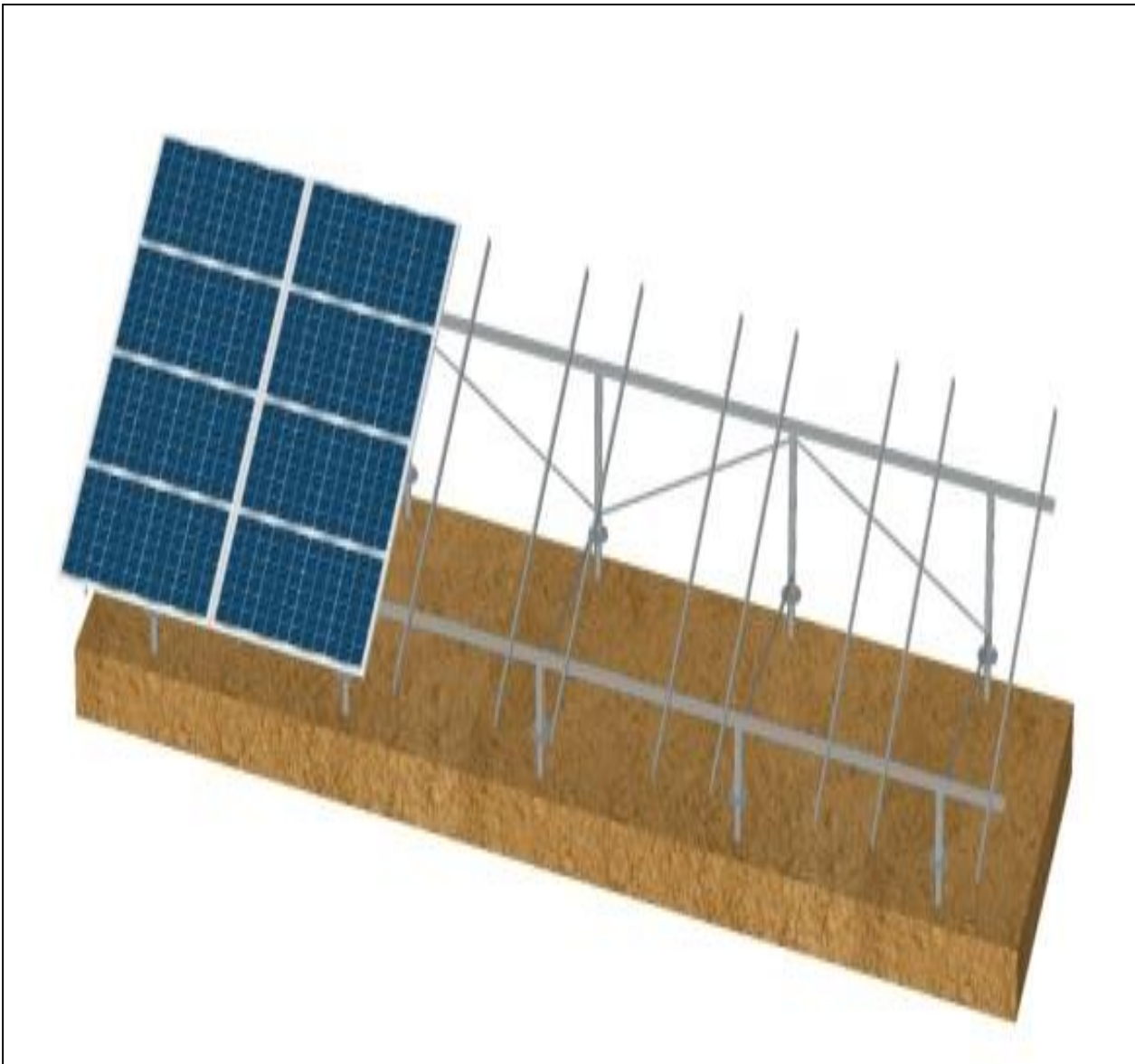
INSTALLATION : On the ground
 RAKE ANGLE : 10~40°
 PV MODULE : 4*3, 4*6 , 4*12
 (may vary depending on the layout)
 MATERIAL : Hot-dip galvanized steel
 (magnesium aluminum alloy coating)
 Wind-Speed : 30~50m/sec
 SNOW-LOAD : 500~800N/ m²



LAYOUT OF THE SYSTEM



PRODUCT SAMPLE

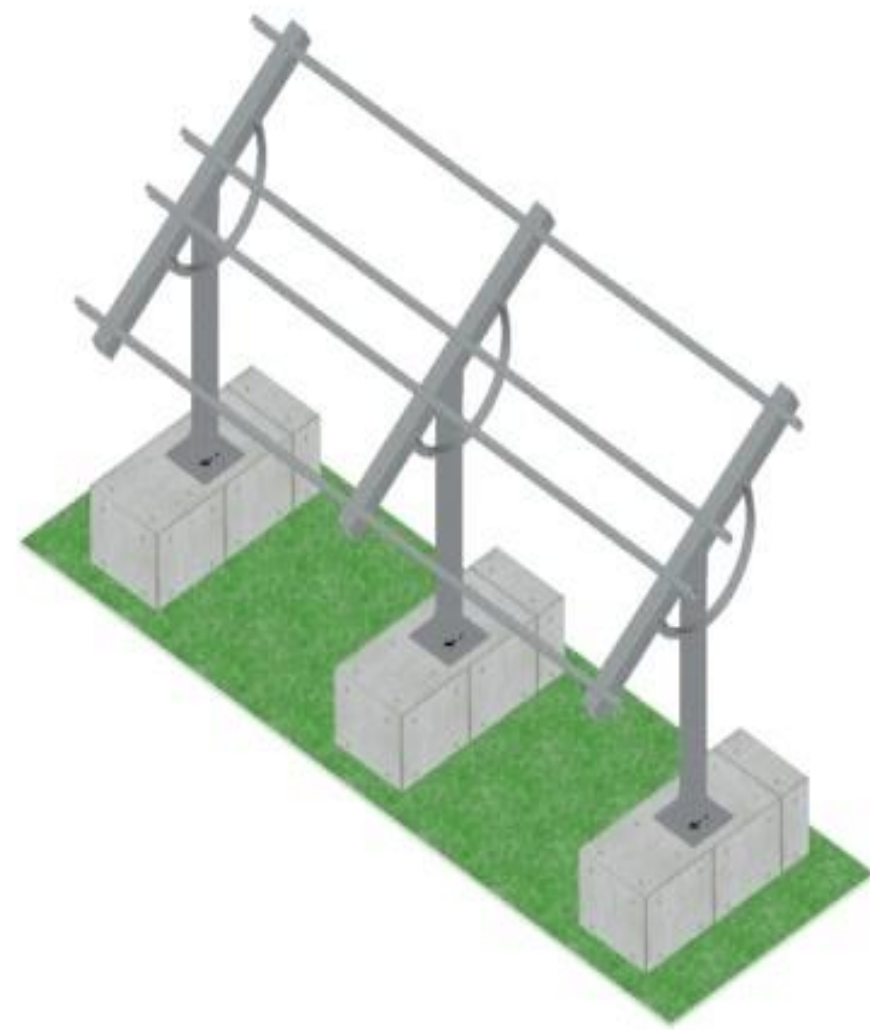


FINAL PRODUCTS

INSTALLATION : On the roof
FOUNDATION : Fixed by screws
RAKE ANGLE : Depend on the roof a
PV MODULE : Depend on the design
MATERIAL : Hot-dip galvanized steel
(magnesium aluminum alloy coating)
Wind-Speed : 30~50m/sec
SNOW-LOAD : 500~800N/ m²



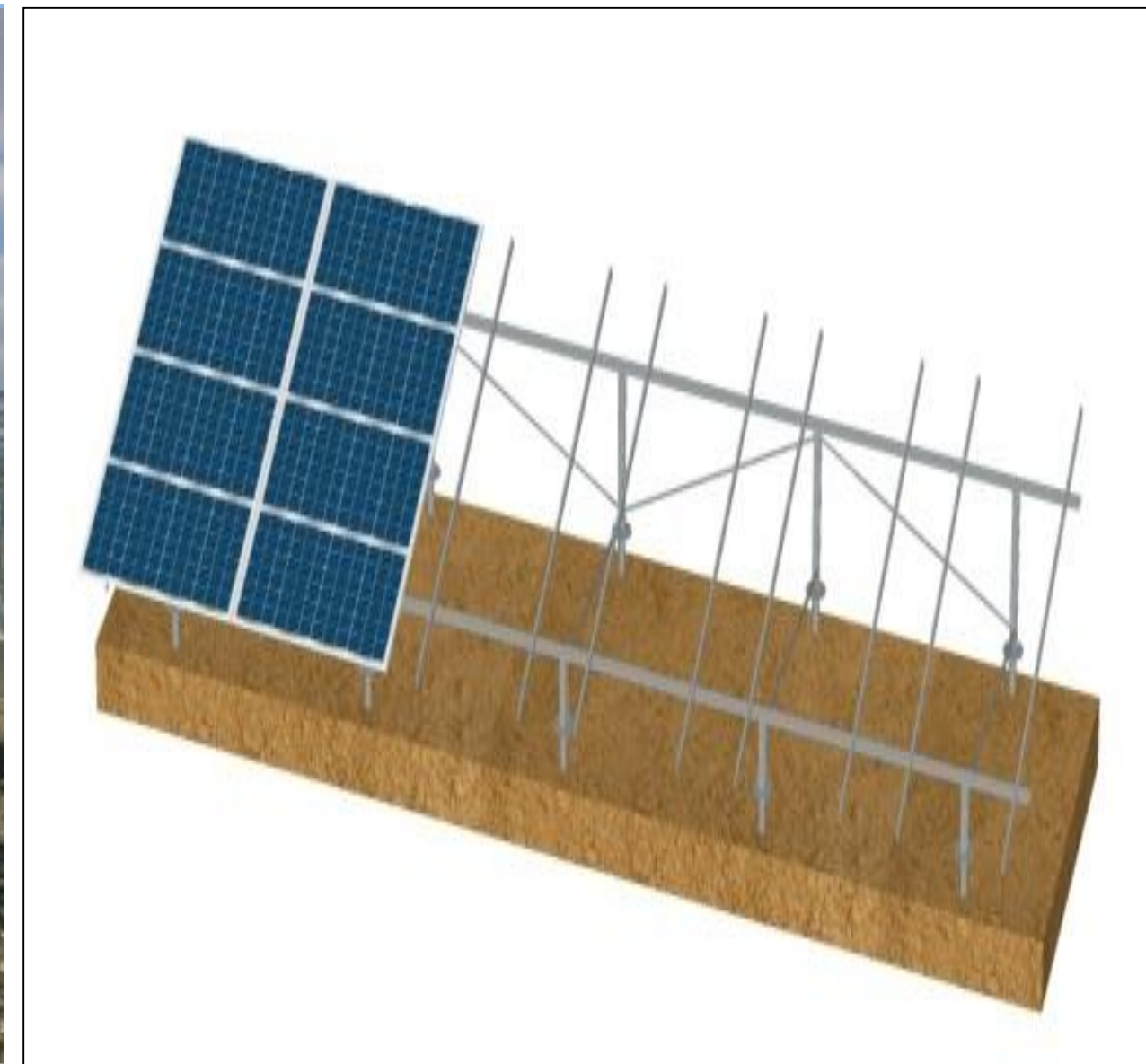
MANUAL TRACKER MOUNT



DRAWING OF THE SYSTEM



GROUND WORK AND INSTALLATION



FINAL PRODUCTS

INSTALLATION : On the concrete pad

RAKE ANGLE : 10 °,20 °,35 °

Feature : Manually controllable

PV MODULE : 2*5, 2*8, 2*10

MATERIAL : Hot-dip galvanized steel
(magnesium aluminum alloy coating)

Wind-Speed : 30~45m/sec

SNOW-LOAD : 500~700N/ m²



JUNGWOO EMC CO., LTD.

“ BETTER MACHINE, BELIEVE IN TECHNOLOGY ”



Q.E.B SYSTEM

Jungwoo Q.E.B system stands for Quick, pre-Engineered Building system. It has been developed as multipurpose building which can be implemented for various applications. Jungwoo Q.E.B system is produced by fully automatic roll-forming machine with Hot-Dip-Galvanized Iron.

The structural calculation in consideration of every possible loading and structural conditions by computerized program enables accurate designing and the most economical structuring.





JUNGWOO

**INNOVATION
THROUGH TECHNOLOGY**