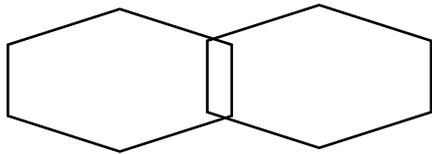


Joeun Tech Company Profile

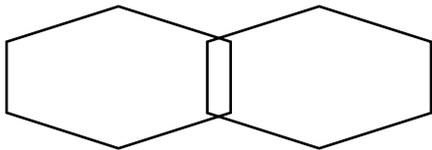
Joeun Tech believes “We will benefit the world with our talents so far.”
The management philosophy is to keep Korea proud as a manufacturing power-house.



82-52-286-7900
jetech14@chol.com
<http://jetech14.com/en>



Con- tents



I . Company Status

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- Inspection & injection Mold Equipment
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Summary

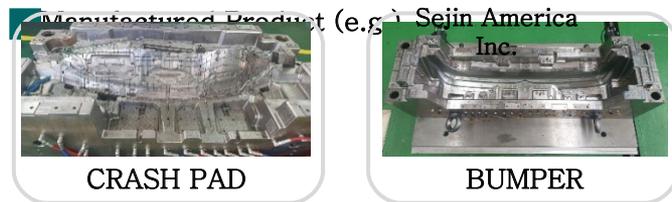
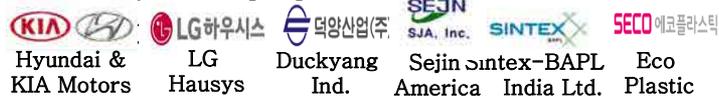
Our company has 5 years history as a manufacturer of any type of mold & plastic parts (e.g. automobiles, cosmetic cases, household containers, etc.) The company has grown steadily until now.

Yearly Turnover

2017Y	2018Y	2019Y
10.1 Mil USD	17.3 Mil USD	16.5 Mill USD

- Company Name : Jooeun Tech Co., Ltd.
- Establishment : 2014 Year 09 Month 01 Date
- Manufacturing Headquarter : Ulsan/South Korea
- Sector : Car Internal, External part injection mold Mfg.

Employee : 60 peoples (21 in-house, 39 outsourced) · 12 Month

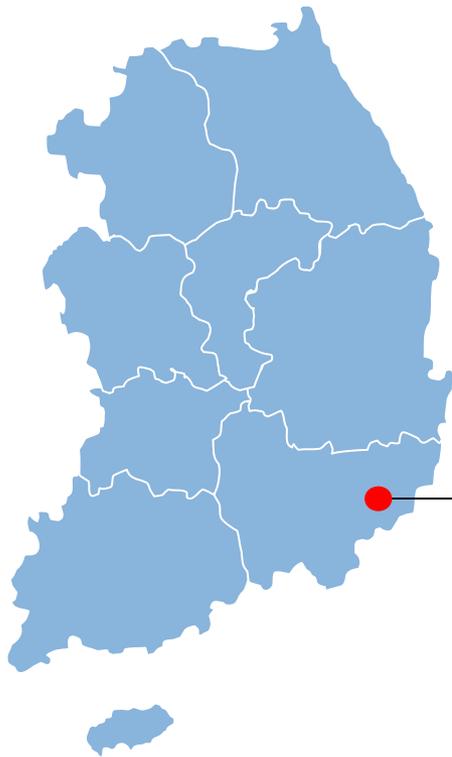


- [Company his- to 2014. 09 Company (342-3, Maegoksansaneop, Maegok-dong, Buk-gu, Ulsan)
- 2015. 09 Incorporated Jooeun Tech Co., Ltd.
- 2016. 03 Introduced 850ton injection molding machine, introduced new machining center SIRUS-1250, Introduced SIRUS-UL + (20,000rpm)
- 2017. 05 Acquired Standard Quality (SQ) certification mark
- 2018. 07 Relocated and moved to Jueun Tech Co., Ltd. (36, Jungsansaneop 3-gil, Buk-gu, Ulsan)
- 2018. 09 Acquired ISO 9001: 2015 change audit certificate
- 2019. 06 Selected as root technology company, Selected as innovative SME (INNO-BIZ)



Location

Joeun Tech is located in Ulsan, the main area of auto parts industry, and is responding in real time.



Ulsan
headquarter



- Business division
- Management

Institute of
Tech.



- Design, Research planning
- National project management

Mold building



- Mold Mfg. / Assembly

Import inspection



- Quality inspection

Injection building



- Prototype production

Executive History

• Name : Hwang Min Hyuk

• Education : Gyeongju culture High School
(‘Class of 90)



Sorabol University
Department of Hotel Management (‘Class of 95)
Dong-A University CEO’s Business Course Completion

• Major career

- Guwha Industry, development Team Manager (‘98 ~ 05’)
- Daewoo Construction, HR Deputy Manager (‘08 ~ 12’)
- Najung Eng., Dev. Assistant Director (‘13 ~ 14’)
- Jooeun Tech Co., Ltd., CEO (‘14 ~ Present)

• Name : Yoon Sung Hyun

• Education : Gyeongju High School
(‘Class of 89)

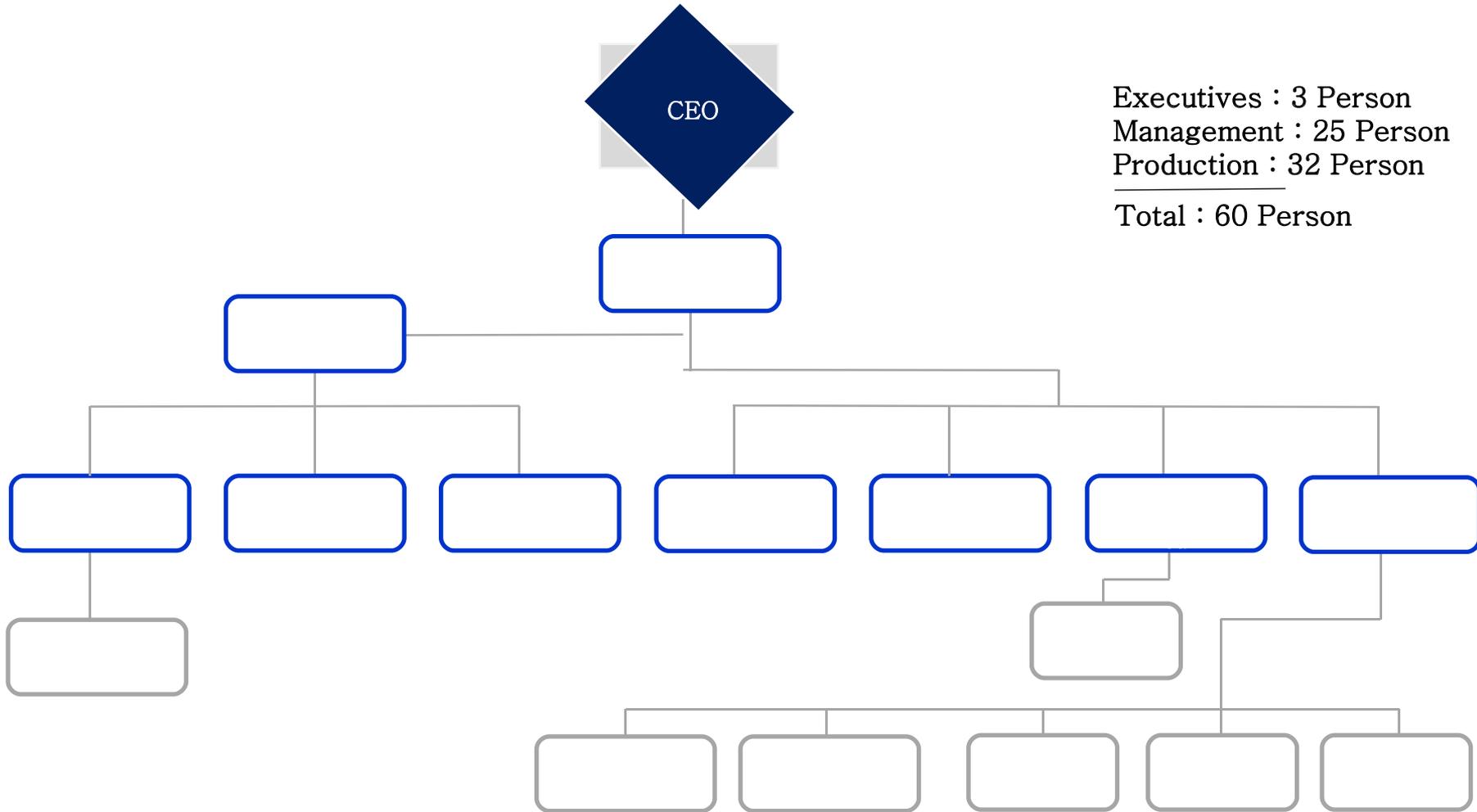


Daegu University
Department of Biology (‘Class of 96)

• Major career

- ITW, product development Deputy Manager (‘96 ~ 03’)
- Duckyang Ind., development General Manager (‘03 ~ 17’)
- Jooeun Tech Co., Ltd., Managing Director (‘17 ~ Present)

Organization Chart



Executives : 3 Person
Management : 25 Person
Production : 32 Person
Total : 60 Person

Institute of Technology

1) Employee and research area

Division	Employee	Research Field
Head-quarter	<ul style="list-style-type: none"> ▪ Design : 8 ▪ Development : 6 ▪ Research Plan : 2 	<ul style="list-style-type: none"> ▪ CAE Analysis ▪ National Project Plan ▪ Mold Design ▪ Test/Prototype Produce



2) Career time

Division	1 Year≤	1~4Years	5~9Years	10Year≥
Employee	3	4	3	6

3) Intellectual Property Rights

Technology Patent total of 6 (registered) & 2 (applied)

- CRASH PAD : solid coupling structure of different material (3 registered)
- TAIL GATE : Embossing pattern of differ molds (2 registered)
- DOOR TRIM: wrapping of door panel (2 applied)

Production Status

1) CRASH PAD

- PAINTING/NO PAINTING H/PNL
- IN-MOLD SCOR'G
- SHOT/IMG CORE



3) BUMPER

- BPR MAIN LWR
- RR BACK BEAM
- MIC, PLATING SKID PLATE



2) DOOR TRIM

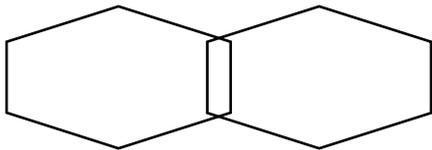
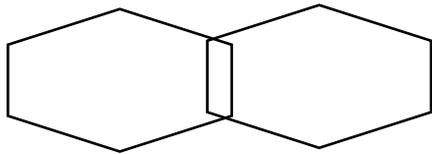
- MAIN TRIM
- ARM REST (WRAP)
- CTR PNL (IMG)



4) SIDE SILL PLATE

- PAINTING TYPE
- NO PAINTING (EMBO) TYPE





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Production Product

Automotive Outer Parts



FENDER GARNISH



FENDER GARNISH



RADIATOR GRILLE



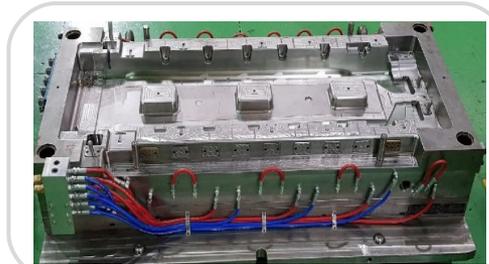
RADIATOR GRILLE



SIDE SILL MOULDING



SIDE SILL MOULDING



Production Product

Automotive Outer Parts



RR BUMPER



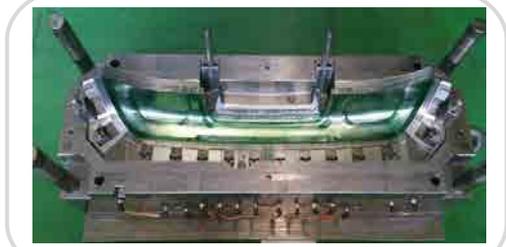
MOLDING BUMPER



FRT SKID PLATE



RR SKID PLATE



SPOILER



SPOILER



Production Product

Automotive Inner Parts



D/TRIM



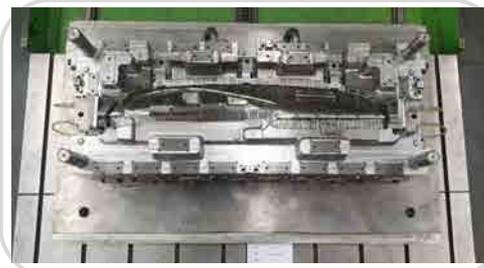
D/TRIM



C/PAD



C/PAD



CONSOLE

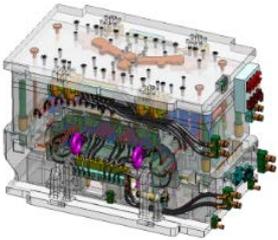


CONSOLE

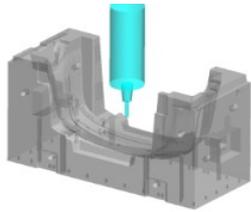


Production Process Management

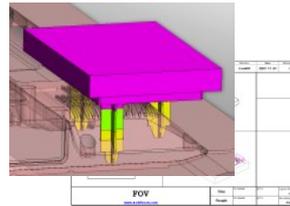
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<NC Process>



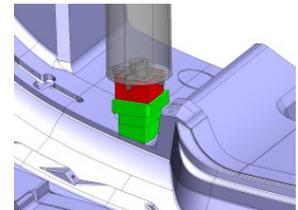
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<General Process>



<EDM>



<Release>



<Injection Mold-
ing>



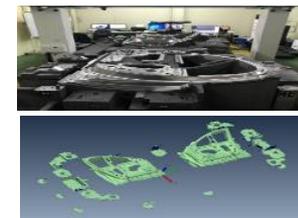
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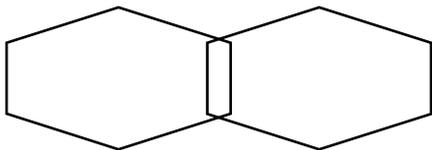
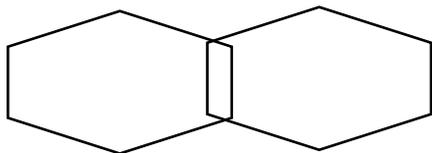


<Finishing/Assembly
>



<CMM Measure>





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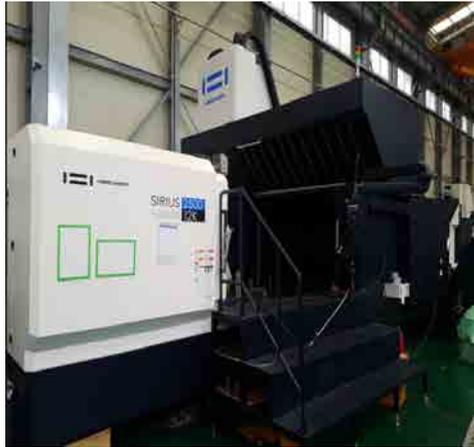
Facility Status

Equipment List

NO	Equipment Name	Qty.	MAKER	MODEL	Year	R.P.M	STROKE	Load Allowable Weight (Ton)
1	CNC Milling 25 M/C	1	HWACHEON	SIRIUS-2500	2018	12,000	4200*2300*900	20
2	CNC Milling 17 M/C	1	HWACHEON	SIRIUS-1750	2016	12,000	3200*1750*800	15
3	CNC Milling 12 M/C	2	HWACHEON	SIRIUS-1250	2016	12,000	2800*1250*750	10
4	CNC Milling 6 M/C	1	HWACHEON	SIRIUS-UL	2016	20,000	1200*600*800	1.5
5	CNC Milling 6 M/C	1	HWACHEON	SIRIUS-UL	2018	20,000	1200*600*800	1.5
6	Injection M/C	1	DL-2000A5	2000	2016	7746	2020*1610	-
7	Injection M/C	1	OR_LSP160	850	2016	-	-	-
8	Injection M/C	1	TB380S	350	2017	-	-	-
9	Injection M/C	1	DL-1050A5	1050	2017	-	-	-
10	EDM	1	TESLA	CNC-HE200	2015	2-HEAD	2500*1000	-
11	EDM	1	DAEHAN	3500-DC/NC	2018	2-HEAD	1500*1100	-
12	400TON HYD PRESS	1	TEADO	DSP-400	2016	-	3200*2200	-
13	400TON HYD PRESS	1	NAM YANG	NDS-400	2018	-	3500*2400	-
14	LASER Welding Machine	1	OR	LSP120	2016	-	120/160/200W	-
15	Movable Crane	4	BANDO-HOIST	-	2018	-	30/10Ton	-
16	Movable Crane	1	BANDO-HOIST	-	2018	-	10/5Ton	-
17	Movable Crane	1	BANDO-HOIST	-	2018	-	5Ton	-
18	General Process Machine	1	YJSMT	G-MAN7	2019	12,000	600*750	-
19	5-axis Process Machine	1	HWACHEON	DZ-5A-12K	2019	12,000	650*500	-

Facility Status

Equipment List (continue)



25Exhalation

- 2000Ton up
- C/PAD MAIN
- BPR
- SIDE SILL



17Exhalaton

- 1300~2000Ton
- EO MODIFY
- BACK BEAM
- BPR MOLD'G



12Exhalaton

- 850~1300Ton
- GARNISH
- DR TRIM



6Exhalaton

- CORE CNC, 2



Facility Status

Production Equipment List



Electrode CNC

- Electrode CNC
 - Introduced 2019. 9
 - Arrow facility



5 axis CNC

- 5 Axis CNC
 - Introduced 2019.12
 - Wrap core machining facility



2 head EDM

- Electric discharge
 - 2500 CNC, 1
 - 1800 CNC, 1



Die spotting

- Mold die spotting
 - 400 Ton, 1
 - 350 Ton, 1

Facility Status

Inspection & Injection Mold Equipment



Laser scanner

- Import inspection
 - Upper/Lower mold disk
 - Core 3D measuring



380Ton

- Injection molding machine
 - Woojin Plaimm
 - Small logistics test parts production



1050Ton

- Injection molding machine
 - Woojin Plaimm
 - GARNISH test parts production



EZ SET Tool Pre-setter

- Tool Inspection
 - Tool Condition / Measurement Machine



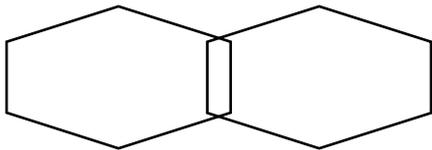
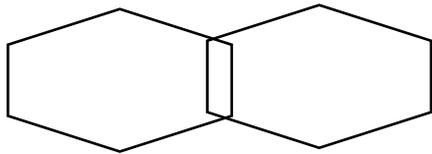
2000Ton

- Injection mold machine
 - Woojin Plaimm
 - C/PAD, BPR, DR TRIM test parts production

Facility Status

Software Holding Status

 CAD	SIEMENS PLM NX	8
	AUTO CAD	5
	POWER MILL	4
 CAM	WORK NC	1
	NC BRAIN	3
	AI CAM	2
	ZW	1
 CAE	3D TIMON	1



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Certificate & Certification

Certificate of Company Af- filiated Research Institute

제 2015115536 호

기업부설연구소 인정서

1. 연구 소 명 : 주은테크(주) 기술연구소
[소속기업명: 주은테크(주)]

2. 소 재 지 : 울산광역시 북구 중산산업3길 36
1층 (중산동)

3. 신고 연월일: 2019년 05월 23일
(최초인정일: 2015년 11월 20일)

과학기술정보통신부

「기초연구진흥 및 기술개발지원에 관한 법률」 제14조의
2제1항 및 같은 법 시행령 제27조제1항에 따라 위와 같이
기업부설연구소로 인정합니다.

2019년 5월 24일

한국산업기술진흥협회




SQ Certifica- tion

SQ
SUPPLIER QUALITY

CERTIFICATE OF SUPPLIER QUALITY

인증번호 : PLM307

SQ 인증서

회 사 명 : 주은테크
대표자명 : 황만혁
사업자번호 : 6068662716
업 제 코드 : #4B8N
회 사 주 소 : 울산광역시 북구 매곡산업 1길 16

인증업종 : 사출금형
인증등급 : B
사업장코드 : #4B8N01

HYUNDAI

협력사 품질평가 규정에 인거
상기와 같이 SQ(협력사 품질보증)
요구사항에 적합함을 인증합니다.

인증일자 : 2017년 05월 18일
유효일자 : 2020년 12월 31일 까지
최종평가일자 : 2017.04.25 [SQ인증평가]

◆ 주 관 : (주) 엘지하우스
◆ 후 원 : 현대·기아자동차

ISO 9001:2015

UKS REGISTRAR OF CERTIFICATION

품질경영시스템인증서

주은테크(주)
울산광역시 북구 중산산업3길 36

유펜에스인증원은 위 회사의 품질경영시스템이
아래의 인증 규격과 인증 범위에 적합함을 인증합니다.

ISO 9001:2015

인증범위
자동차 부품용 플라스틱 사출 금형의 설계, 개발 및 제조

인증서 번호: 78410/A/0001/UKKo
발행번호: 3

최초 발행일: 2016년 12월 14일
만료 일자: 2022년 12월 13일

발행자 서명: *Choi Chun Deung* 담당자 서명

UKS REGISTRAR OF CERTIFICATION
UKAS MANAGEMENT SYSTEMS CERTIFICATION
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
IAF

Certificate & Certification

Venture Business Confirmation

제 20190109320 호

벤처기업확인서

업 체 명 : 주은테크(주)
 대 표 자 : 황민혁
 소 재 지 : 울산광역시 북구 중산산업3길 36
 확 인 유 형 : 기술평가보증기업(기술보증기금)
 평 가 기 관 : 기술보증기금
 유효 기 간 : 2019년08월12일 ~ 2021년08월11일

위 업체는 벤처기업육성에관한특별조치법 제25조의 규정에 의하여 벤처기업임을 확인합니다.

2019년 08월 12일

KIBO 기술보증기금 이사장 

INNO-BIZ Confirmation

제 191201 - 00526 호

기술혁신형 중소기업(Inno-Biz) 확인서

업체명 : 주은테크주식회사
 대표자 : 황민혁
 주소 : 울산 북구 중산산업3길 36 (중산동) 주은테크
 등급 : A
 유효기간 : 2019. 6. 20 ~ 2022. 6. 19

위 업체는 기술혁신형 중소기업 육성사업에 의해 선정된 기술혁신형 중소기업(Inno-Biz)임을 확인합니다.

2019년 6월 20일


 중소벤처기업부장관인 

Root Technology Specialized Company Certificate



뿌리기술 전문기업 지정증

1. 지정번호 : 제191302-0007호
 2. 기업명 : 주은테크㈜
 3. 대표자 : 황민혁
 4. 소재지 : (우44214) 울산광역시 북구 중산산업3길 36(중산동)
 5. 핵심 뿌리기술 분야 또는 범위 : 무(無)도장 사출금형 성형기술

「뿌리산업 진흥과 첨단화에 관한 법률」 제15조 제1항 및 같은 법 시행령 제19조제2항에 따라 위 기업을 뿌리기술 전문기업으로 지정합니다.

2019년 6월 26일

중소벤처기업부장관인 