



Engineering Plastics Solution Company



**Your Engineering Plastics Partner**

*Polyketone & Polyamide Specialist*

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## 会社概要

■ 設立:1982年、暁星グループ東洋ナイロン→(フランス)Rhodia社に売却時、国内独自会社設立

- 高機能性プラスチック中心,

- 24年売上:1,050億ウォン(国内60%、海外40%)

- 役職員:68人(研究員:15人)

- 工場:慶尚北道 倭館 1工場 (Capa. 3万トン/年)、星州 2工場 (PK素材中心)

- 海外拠点:4 (米国アトランタ、ポーランド、中国上海、インドチェンナイ)

## 主要生産品目

- PA6 及び PA66 複合 素材:270 Grade

- PK (ポリケトン)複合素材: 新環境/ 難燃/ 熱暴走/ 耐薬品性

無毒性 認証素材: 飲料水 / 食品 / 医療 / 臭い. VOCs

※ 開発・量産Grade:350 種

## 規格登録 (81件) / 認証 (21件) 現況

区分 項目	Hyundai Motor	General Motors	素材資格認証	その他
	MS SPEC	GMW SPEC	国際認証書	面仕様反映
登載現況	39	29	UL難燃剤:15 飲用水(国):3 FDA/USP(米):2 GRS(新環境):1	FORD/VW/ STELLANTIESなど
合計	68		21	13

## 最近の主な開発状況

### 1) 難燃及び熱暴走素材の開発

① BMA用難燃新素材 (PK-GF30%、V0等級) 開発 完

- HKMC MS 登録 済み ('23)

② 電気自動車/ESS用 高難燃・熱暴走抑制素材の開発完了

- 高耐火 PK소재として MS 登録 済み ('25)

### 2) 冷却モジュール用:耐薬品性PK\_Alloy素材開発

① ドイツWILO社分配器及びハウジング適用 ('20)

② HKMC 電気自動車冷却モジュール開発中

### 3) Door Carrier Plate: 耐摩擦・摩耗性及びVOCs素材の開発

① POM素材代替\_PK素材規格登録 済み

② GM, HKMC 適用

➡ 自動車/電気自動車/バッテリー/部品メーカーと新素材適用戦略協業推進(韓国及びグローバル拠点中心)

# Company History



DESCO Company  
founded



DESCO SHANGHAI  
CO.,LTD.



DESCO USA Corp.



Desco Poland sp. z o. o.

1999. 08

2008. 09

2013. 11

2017. 01

1982. 12

2004. 08

2009. 01

2014. 06

2020. 12

(주)대승 founded

Desco R&D  
Division

DESCO ENGINEERING  
PLASTICS INDIA PRIVATE

SungJu Factory  
EP Compound

Seoul Office



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# Major Customers

## Automotive Parts



## Automotive Electronics OEM





## Twin Screw Extruder

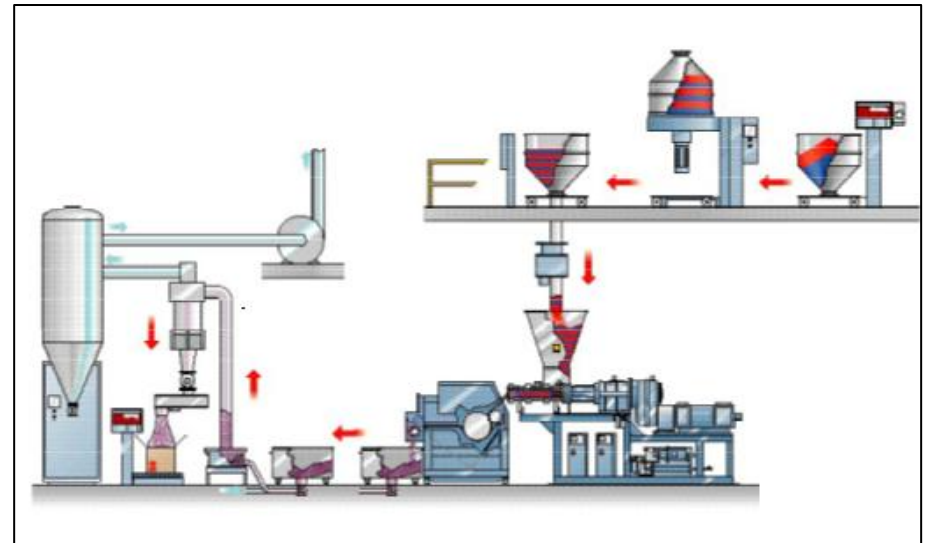
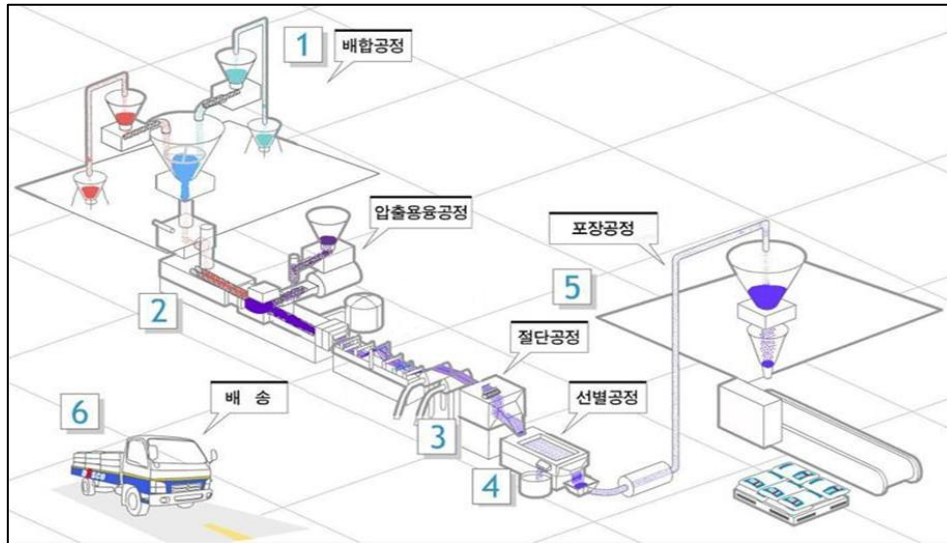
Total 9 units (HQ 7 units, SUNGJU 2 units)








Extruder : 58 Ø 3 Unit, 70 Ø 2Unit. Test 30 Ø, Test 45 Ø 2 Unit (HQ)

Extruder : 65 Ø 1 Unit, 92 Ø 1Unit (SUNGJU)

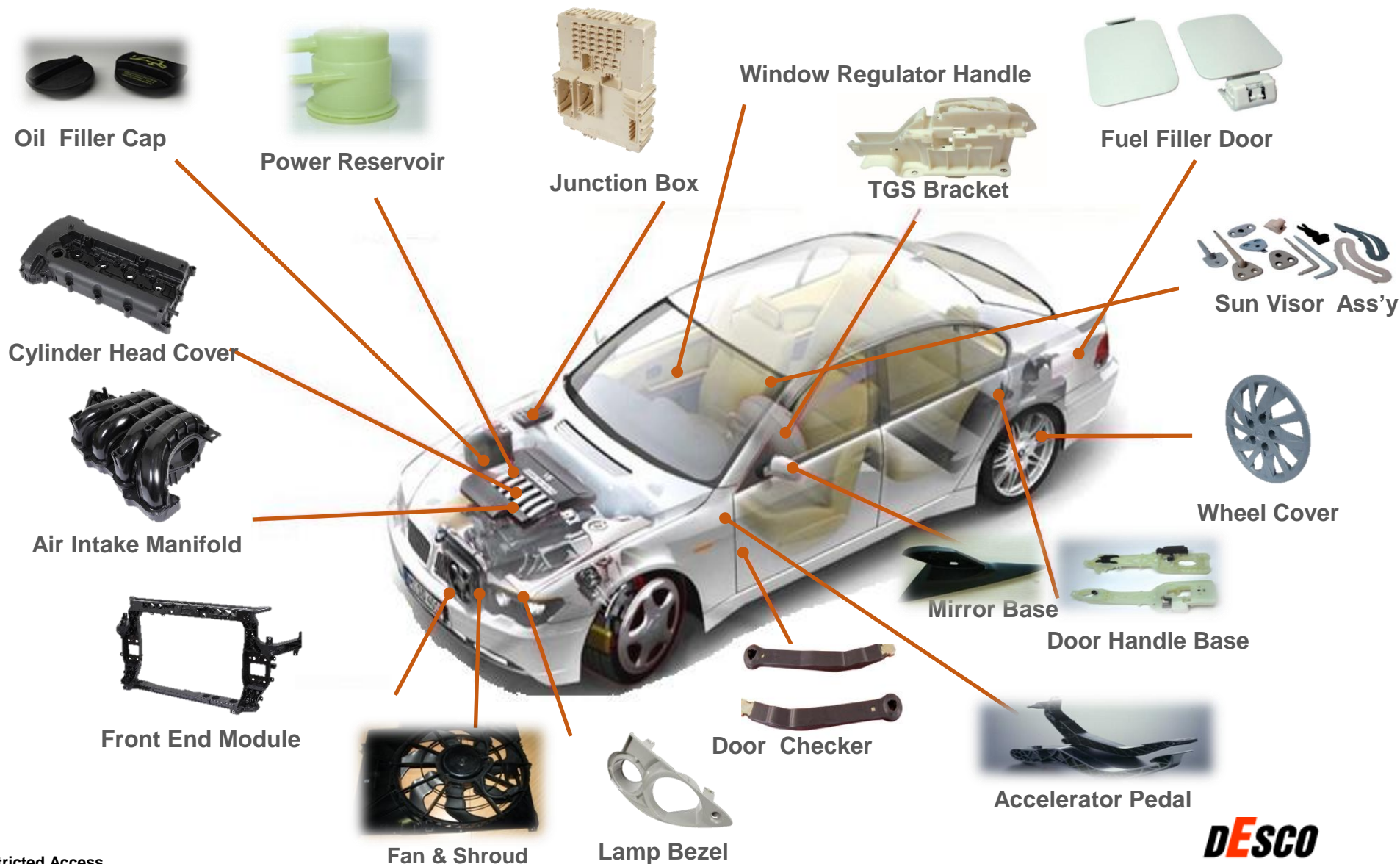
## Capacity

30,000 ton / Yearly



<b>DESLON® 6</b>	<b>Polyamide 6 Resin</b> GF, MF Reinforced, Impact, Flame Retardant.	<b>130 Grades</b>	
<b>DESLON® 66</b>	<b>Polyamide 66 Resin</b> GF, MF Reinforced, Impact, Flame Retardant.	<b>120 Grades</b>	
<b>DESOX®</b>	<b>PBT Resin</b> GF, MF Reinforced, Flame Retardant.	<b>20 Grades</b>	
<b>DESLEN®</b>	<b>PP(Polypropylene) Resin</b> GF Reinforced Resin / Long GF Reinforced Resin	<b>30 Grades</b>	
<b>DESLOY®</b>	<b>PC &amp; Alloy Resin (PC/ABS, PC/PBT, etc.)</b> GF, MF Reinforced, Flame Retardant.	<b>20 Grades</b>	
<b>DESTRON®</b>	<b>PPA (Polyphthalamide), PA612, MPPO</b> GF Reinforced Resin	<b>10 Grades</b>	 프리젠테이션
<b>DESTONE®</b>	<b>PK (Polyketone)</b> GF reinforced, Alloyed Resin	<b>30 Grades</b>	 프리젠테이션

# DESCO Applications – Automotive Products



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# DESCO Applications – Appliance / Industrial Application



Pump Impeller



Pump Housing



Water pipe



Q-connector



Connector



TV Stand Guide



Cable Carrier



Rice Cooker Bracket



Hair Curling Barrel



Valve



Band Cable



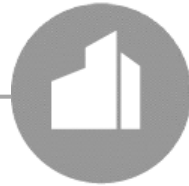
Cable Tie

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■ Continuous improvement of products and services through the development of the highest level of technology



## R&D Center

### R&D 1 TEAM

- **Development for New Engineering Plastics**  
(Development of new materials such as Polyketone)
- **Engineering plastics and material registration**  
(OEM SPEC material registration)

### R&D 2 TEAM

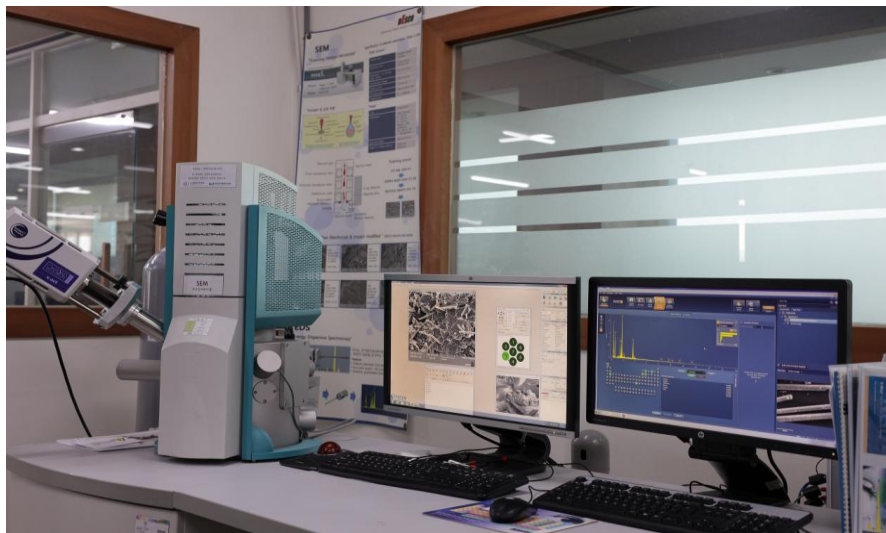
- **Technical Service for Customers** (Material Analysis, CAE)
- **Patent Administration**
- **National Gov't Project**

### R&D 3 TEAM

- **Application Development**  
(Development of functional materials)
- **Production technology development**  
(Digital Manufacturing)



## Analysis Facilities



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# Analysis Equipment List

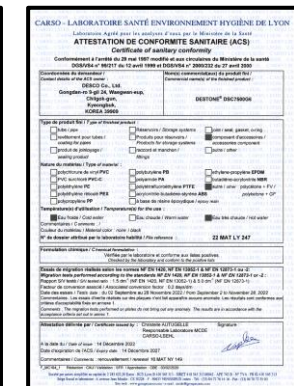
No.	Analysis Equipment	No.	Analysis Equipment	No.	Analysis Equipment
1	FT-IR	14	Aging Oven	27	Hardness Tester
2	DSC	15	Temperature & humidity chamber	28	Universal Testing Machine
3	TGA	16	Thermal Shock Chamber	29	HDT
4	Rheometer	17	Wear Abrasion Tester	30	Impact Testing Machine
5	XRF	18	Flammability Tester	31	Scratch Resistance Tester
6	Surface Resistance Meter	19	QUV Accelerated Weathering Tester	32	TMA
7	Light Flash Apparatus	20	Weather-O meter	33	Poisson's ratio Tester
8	Gel Permeation Chromatography	21	SEM	34	Autoclave
9	Moisture Measurement Instrument	22	Electric Pencil Hardness Tester	35	CNC Milling Machine
10	Moisture Meter	23	Colorimeter Spectrophotometer	36	Auto Clave(30L)
11	Optical Microscope	24	Density meter	37	CAE : mold flow
12	Toolmaker's Microscope	25	Ash Measurement Instrument	38	CAE : Structural
13	Vacuum Oven	26	Melt Flow Indexer	39	CTI : Comparative Tracking Index

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## [Certification Status]

- IATF 16949 (Automotive Quality Management Certification)
- ISO 14001 (Environmental Management Certification)
- UL94 (24 types including PA6, PA66, PK, PBT)
- GRS (Certified on January 19, 2023)
- KTW (German Drinking Water Certification)
- WRAS (UK Drinking Water Certification)
- ACS (French Drinking Water Certification)
- US FDA / USP Certified





**THANK YOU**  
[www.edesco.co.kr/](http://www.edesco.co.kr/)

**DESCO Engineering Plastics Solution Company**

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