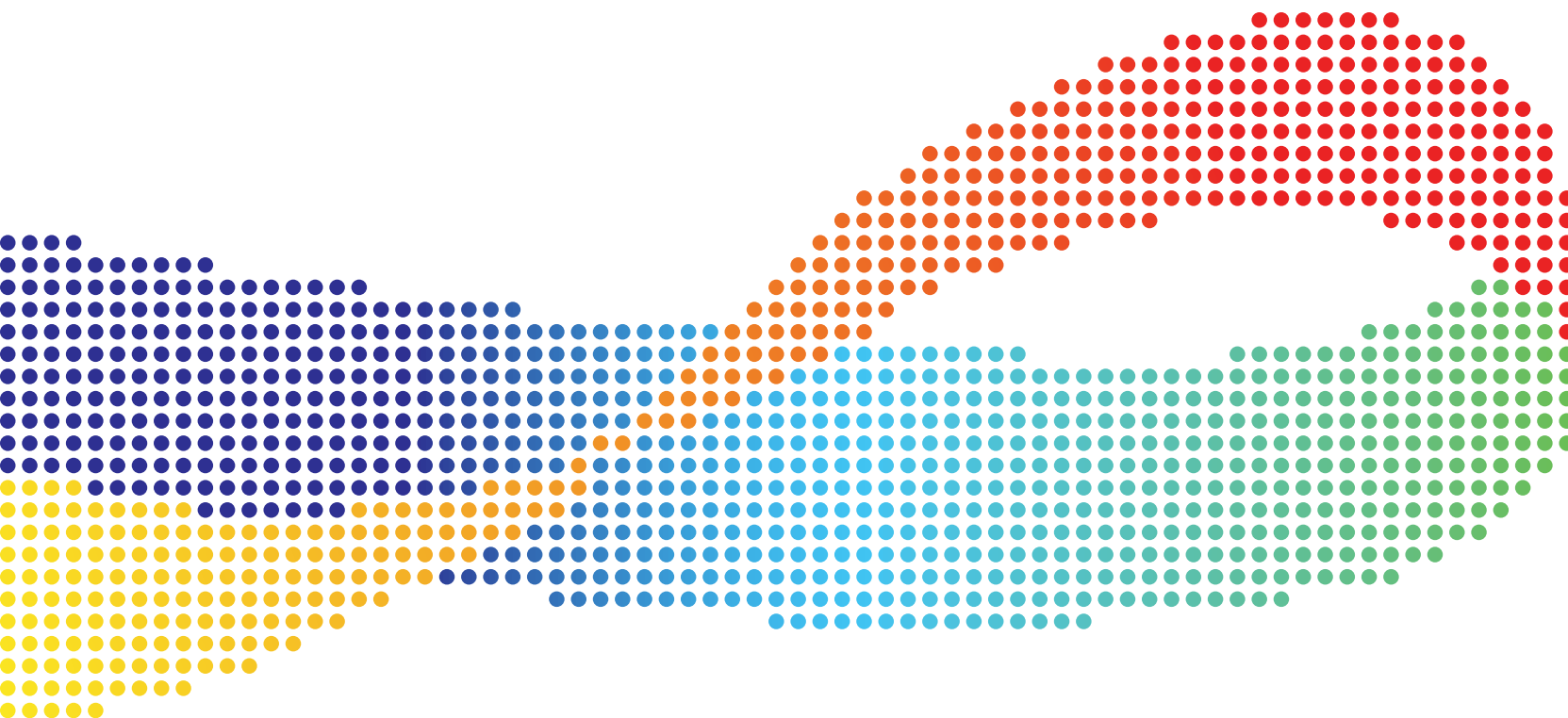


Challenge gives  
**the best** opportunity





**npk**

**High-Technology company that researches and  
develops plastic complex materials.**

**研究开发塑料复合材料的高新企业。**

## Introduction

We are always thankful to our customers for placing their trust in npk.

npk is very proud of contributing to the development of the domestic and foreign plastics-related business with a management ideology of providing the best quality for customers through constant research and development since its establishment in 1987.

npk considers customer satisfaction our most rewarding task through the prompt development of new products and the creation of new performance in the rapidly developing plastics industry.

A true partner loved by customers!

A partner positively necessary for the development of the plastics industry!

npk promises to create our new future with this corporate spirit.

Thank you.

衷心感谢各位顾客给予npk的信任。

npk自1987年成立以来，始终致力于研究开发，以向顾客提供最佳品质的产品为经营宗旨，为国内外塑料相关项目的发展贡献力量。

npk将在日新月异的塑料产业领域努力，把迅速研发新产品、创造新功能，实现顾客最大的满意作为公司的最终目标。

深受顾客喜爱的真正伙伴！

对塑料产业发展必不可少的伙伴！

npk承诺将以上述企业精神创造崭新的未来。

谢谢大家。

### Management Ideology | 经营宗旨

npk contributes to society by creating new value with the best talent and technology.

以一流人才和技术创造崭新价值并为社会贡献力量。

01

**The Best  
Talent  
一流人才**

- Creative thought
- Abundant passion
- Challenging spirit
- 创造性思考
- 无限热情
- 挑战精神

02

**High  
Technology  
高新技术**

- Core technology
- Best quality
- 核心技术
- 最佳品质

03

**New Value  
崭新价值**

- Customer satisfaction
- Happy company
- 顾客感动
- 幸福公司

# Company History

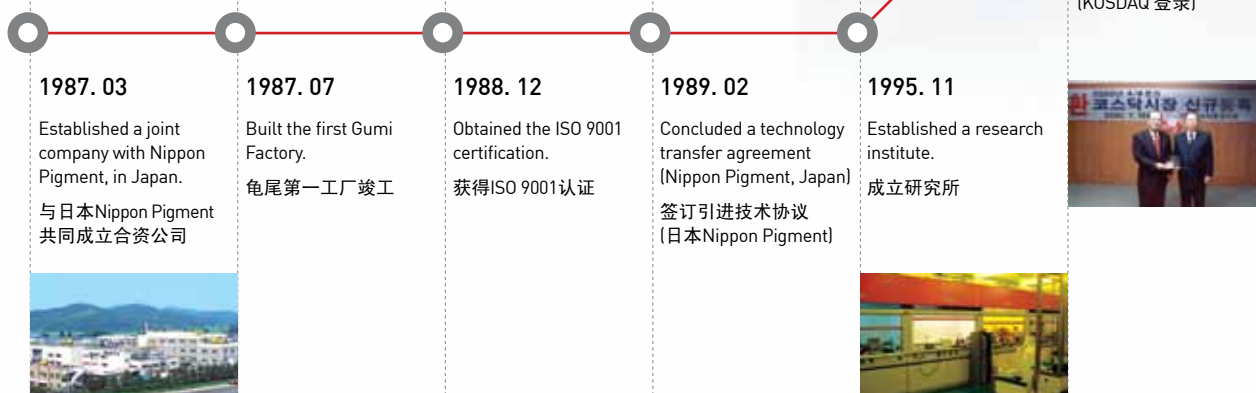
Only one way since establishment!

The history of **npk** has been written with sweat, passion, and customer support and will write an even more impressive history for the future.

自创业开始一路走来!

基于汗水、热情和顾客的支持鼓励  
谱写出**npk**的辉煌历史，  
我们还将开创更加美好的未来。

## Establishment Period | 创业期 (1987~1999)





## Growth Period | 发展期 (2000~2010)

2001. 12

Took over YOOCHANG TECH  
(a company specialized  
in injection molding)  
收购 (株) 裕昌 TECH  
(射出成型专业企业)



2002. 11

Obtained the ISO  
9001:2000 Certification.  
ISO 9001:2000 获得认证

2005. 03

Took over KOSTEC, Inc.  
(a company specializing  
in Master Batch)  
收购 (株) KOSTEC  
(Master Batch 专业企业)



2007. 01

Established the Nano  
Business Department.  
新设纳米事业部

2007. 03

Completed the Nano  
Business Department in  
the Pyeongtaek factory.  
平泽纳米事业部  
工厂竣工



## Take-off Period | 飞跃期 (2011~)

2011. 08

Completed the  
Pyeongtaek factory.  
平泽工厂竣工





## Company Overview



Global Competitiveness! **npk**'s Own Technology.

全球化竞争力！因为**npk**拥有独家技术。

**npk** made strong leaps toward world markets. The main reason **npk** has not stopped developing even among keen competition was customer confidence. **npk** will develop in becoming a leading company in the world market from now on.

**npk**面向国际市场奋力前进。在激烈的竞争环境中，**npk**的发展步伐一刻都不曾停息，这得益于公司与顾客之间的信任。我们将努力发展成为国际市场的先导企业。



### Subsidiary and Related Companies | 子公司及关联公司

Korea	Abroad
NPI	Nippon Pigment Co., Ltd - Japan
YOOCHANG TECH	Tianjin Pigment Engineering Plastics Co., Ltd - China
KOSTEC, Inc.	Kostec China Co., Ltd - China
	P.T. Nippisun Indonesia - Indonesia
	Nippon Pigment(M) Sdn. Bhd. - Malaysia

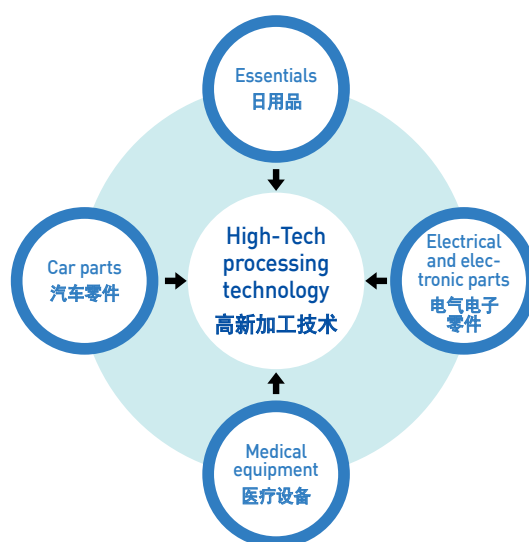
# Business overview

## The first and second npk factories in Gumi, Gyeongsangbuk-do

npk built a production foundation amounting to about 100,000 tons of production capacity per year thanks to the momentum from the completion of the Pyeongtaek factory in 2011. npk is sure to have much better production capacity through its efforts to improve continuous productivity and facility investment.

## npk以庆北龟尾的第一工厂、第二工厂

以及2011年新建的平泽工厂竣工为基础，构建了年产约100,000吨的生产基础。  
我们将继续努力提高生产效率、加大设备投资，以更加强大的生产能力回报顾客。



Category   分类	Status of Main facilities   主要设备情况	Retention quantity   拥有数量
Engineering Plastic Compound	Twin Screw Extruder	15
	Special Design Single Extruder	2
Wide use of Plastic Compound	Special Design Single Extruder	2
	General Extruder	6
	High-Dispersion Kneader	3
Color Concentrates	Facility for Pigment	2
	Mixing Roll	1



## R&D Overview

The best researchers  
have developed high-technology products.

一流的研究人才正在开发高新产品。

npk has devoted itself to product development and quality improvement, beginning with the conclusion of a technology transfer agreement with Nippon Pigment in Japan, with which it has worked together since the establishment of npk.

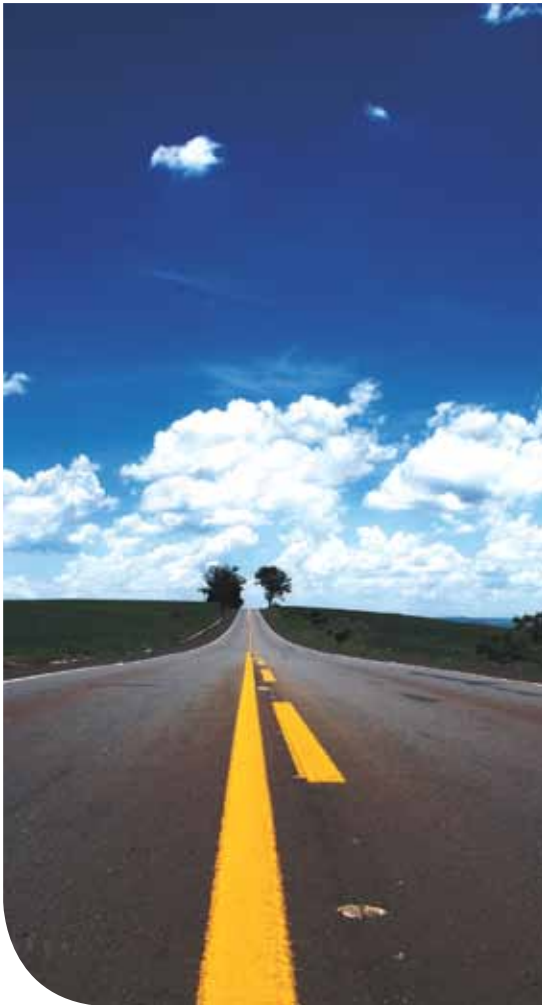
npk strengthened its system by establishing a research institute, in November, 1995.

npk currently focused its capacity on the development of eco-friendly plastic materials, nanomaterials, and new industrial materials (film and seat) that reduce the car's overall weight.

npk自成立以来一直与日本Nippon Pigment合作发展，1989年2月签订引进技术协定以来，公司将所有心血倾注于开发产品和改善品质方面，1995年11月成立研究所，进一步巩固了这一体制。

目前，我们正在全力开发汽车轻量化、绿色塑料材料、纳米材料和产业新材料(Film, Sheet)。





# Vision

**npk** has made continuous development since its establishment.

**npk** especially has internally cultivated excellent technical skills and talent and externally achieved reputation and confidence as the number one plastic material processing companies in Korea.

All of the **npk** executives and staff members work together in unanimity to move forward towards achieving the goal of 100 billion won in sales as the axis of the development of high value products and the expansion of sales capacity from now on.

Moreover, the **npk** will develop into a corporation that contributes to society by continuously talking with many different interested parties, practicing its obligations, and creating value.

**npk**自创立以来实现了持续发展。

公司在内部培养卓越的技术实力与人才，在外部获得了韩国一流塑料材料加工企业的声誉和信任。

**npk**将以开发高附加值产品和提高营销能力为主轴，以达成年销售额一千亿韩元为目标，全体员工齐心协力不断向前迈进。

公司还将与广大利益关系者不断沟通，履行责任、创造价值，发展成为社会贡献力量的企业。





npk produces all products with confidence in quality.

npk 生产的所有产品均以卓越的品质凝聚自信。



01.

### PLASTAR

(COLOR MASTER, ADDITIVE MASTER)

Color masterbatches for many different plastic colorings, multi-functional masterbatches, high-concentrated masterbatches for PVC resins from general purpose technology to engineering plastics have coloring agents applied in a wide range of areas such as cars, electrical and electronic parts, many different films, and textile.

从通用到工程塑料等各种塑料着色的色彩管理配置、各种机能性管理配置、PVC树脂用高浓缩管理配置等是广泛应用于汽车、电气电子零件、各种薄膜和纤维等领域的着色剂。



02.

### PLACOM

(COLOR COMPOUND, EP COMPOUND, IT COMPOUND)

Color matching, color uniformity, and color compounds are very easy to use, engineering compounds using various fillers, and special compounds for the IT industry have top quality widely recognized through the complete production management and quality control system.

使用色彩搭配、色泽一致性、具有卓越便利性的色彩复合、各种FILLER的工程复合和IT产业用特殊复合等严格执行生产管理和品质管理体系，卓越的品质获得认证。

## BUSINESS PARTNER



## Product Overview



		PHYSICAL		MECHANICAL					THERMAL	
Product	Material Property Purpose	Specific	Mold Shrinkage	Tensile	Elongation at break	Flexural Strength	Flexural Modulus	IZOD Impact Strength (Notched)	Melt Flow Index	Heat Deflection Temperature
FH7300GM	Washing Mashine Tub	1.1	0.5~0.7	550	7	850	29,000	6	4	145
FH7303GM		1.13	0.4~0.6	650	7	1000	37,000	7	4	150
FH7304GM		1.10	0.2~0.4	900	7	1400	50,000	10	7	157
FH2300	Detergent Box	1.13	0.8~1.2	340	20	550	30,000	2	10	100
FC2210	Door Holder	1.06	1.0~1.4	290	70	470	25,000	7	10	9



		PHYSICAL		MECHANICAL					THERMAL	
Product	Material Property Purpose	Specific	Mold Shrinkage	Tensile	Elongation at break	Flexural Strength	Flexural Modulus	IZOD Impact Strength (Notched)	Melt Flow Index	Heat Deflection Temperature
FC2305	Vacuum BASE Filter / Drying Duct	1.13	0.8~1.2	290	40	470	31,000	5	10	97
FH1301G	Vacuum Brush	1.15	0.2~0.4	900	7	1400	56,000	10	3	155

# Product Overview



		PHYSICAL		MECHANICAL					THERMAL	
Product	Material Property Purpose	Specific	Mold Shrinkage	Tensile	Elongation at break	Flexural Strength	Flexural Modulus	IZOD Impact Strength (Notched)	Melt Flow Index	Heat Deflection Temperature
FH1400G	Hvac-Actuator	1.23	0.2~0.4	850	7	1,400	60,000	10	2.5	155
FH2200	Head Lamp Housing	1.06	1.0~1.4	350	30	500	26,000	2	10	80
FC2239	Door Trim	1.06	1.0~1.4	280	30	450	22,000	5	12	85
FC2317R	In Pannel	1.11	-	230	40	350	25,000	11	20	85

# Product Overview



Product	Color	Munsell Standard EIA-359-A
KOF-BU-101	BLUE	2.5PB 4/10
KOF-OR-101	ORANGE	2.5YR 6/14
KOF-GN-101	GREEN	2.5G 5/12
KOF-RD-101	RED	2.5R 4/12
KOF-YE-101	YELLOW	5Y 8.5/12
KOF-PU-101	PURPLE	2.5P 4/10
KOF-BN-101	BROWN	2.5YR 3.5/6
KOF-BK-101	BLACK	N1.85
KOF-WT-101	WHITE	N9
KOF-GY-101	GRAY	N5
KOF-PK-101	PINK	10RP 8/6
KOF-TQ-101	AQUA	10BG 7/6



# Product Overview



FC8000



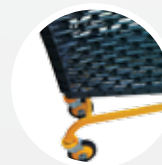
		PHYSICAL		MECHANICAL					THERMAL		ETC.
Product	Material Property Purpose	Specific	Mold Shrinkage	Tensile	Elongation at break	Flexural Strength	Flexural Modulus	IZOD Impact Strength (Notched)	Melt Flow Index	Heat Deflection Temperature	Electric Conductivity
FC8000	Wafer Box	-	-	300	20	450	15,000	7	15	70	10 <sup>6</sup>



FH1205



FC2126



		PHYSICAL		MECHANICAL					THERMAL		ETC.
Product	Material Property Purpose	Specific	Mold Shrinkage	Tensile	Elongation at break	Flexural Strength	Flexural Modulus	IZOD Impact Strength (Notched)	Melt Flow Index	Heat Deflection Temperature	Electric Conductivity
FC2126	Plastic Cart	-	0.8~1.2	250	150	350	15,000	15	10	65	10 <sup>12</sup>
FH1205	Plastic Cart	1.03	0.4~0.5	650	7	1000	33,000	10	10	150	10 <sup>12</sup>

JA7002  
FH2150MF

		PHYSICAL		MECHANICAL					THERMAL		ETC.
Product	Material Property Purpose	Specific	Mold Shrinkage	Tensile	Elongation at break	Flexural Strength	Flexural Modulus	IZOD Impact Strength (Notched)	Melt Flow Index	Heat Deflection Temperature	Electric Conductivity
JA7002	Memory Card	1.14	0.5~0.8	550	70	900	25,000	55	8.5	65	HB
FH2150MF		1.3	1.0~1.4	280	25	470	29,000	3.3	10	150	V0



[www.npk.co.kr](http://www.npk.co.kr)

## Contact us

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01.

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02.

### **Gumi Factory** (Research Institute)

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TEL : 82-54-479-7327 I FAX : 82-54-479-7302

03.

### **Pyeongtaek Factory**

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TEL : 82-31-647-7300 I FAX : 82-31-647-7301