

3R Technologies for Plastics  
The Japanese Experience

ISONO CO.,LTD  
AUTO MOBILE DIVISION  
GENERAL MANAGER  
ATSUSHI TAKANO

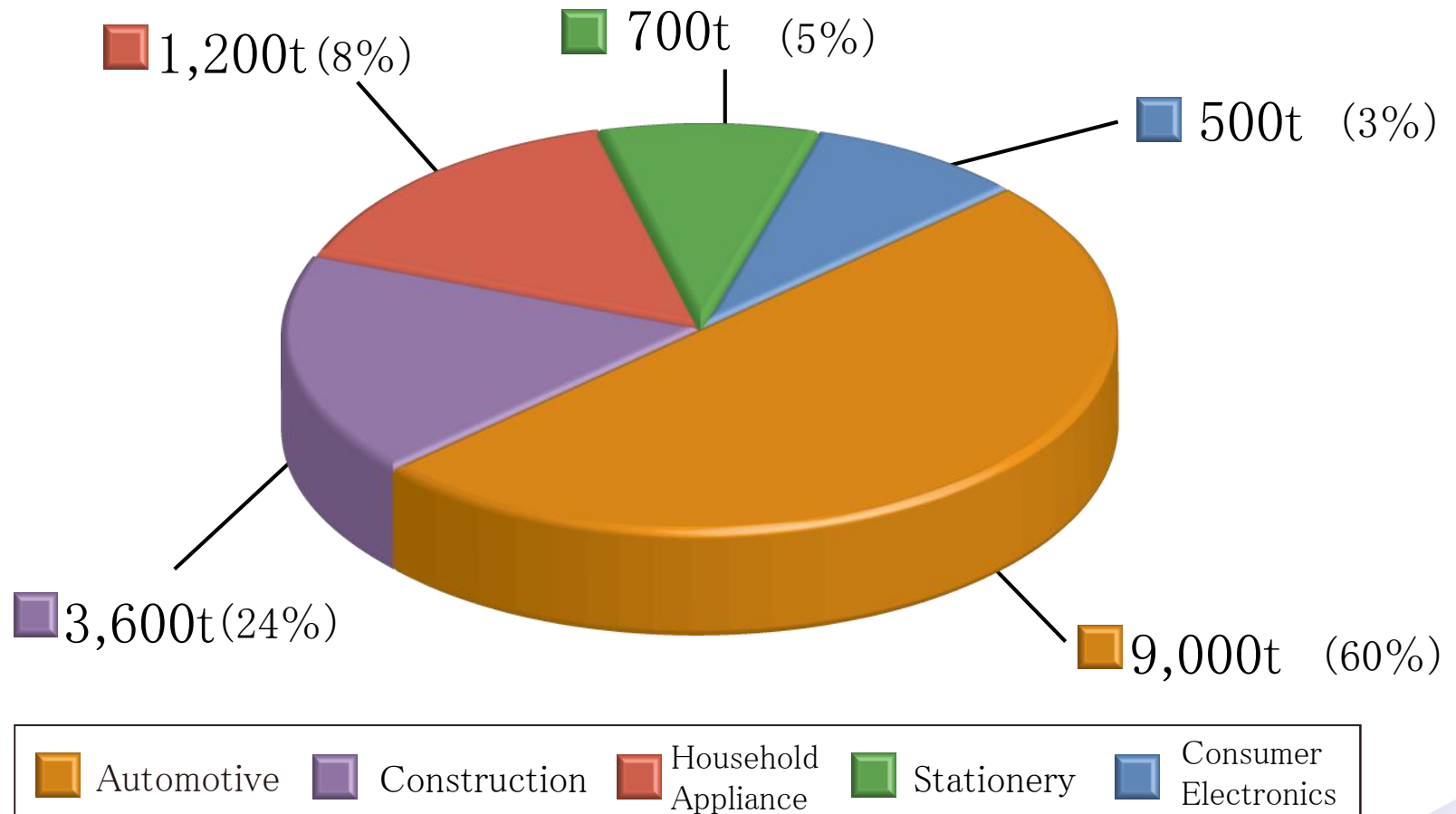
## Company Profile

<b>Head Office</b>	55, Aioi-cho, Higashi-ku, Nagoya, Aichi. Japan. TEL 052-931-1211
<b>Inazawa Plant</b>	6-52, Ishibashi, Inazawa, Aichi. Japan. Sale Department TEL.0587-32-8181 Production Department TEL.0587-32-1772
<b>Kyushu Plant</b>	1-102-6, Hibiki-cho, Wakamatsu-ku, Kitakyushu, Fukuoka. Japan. (Operation started since 2008.9)
<b>Sales Office</b>	Tokyo Branch TEL.03-3258-8171 Nagano Branch TEL.0263-54-5331

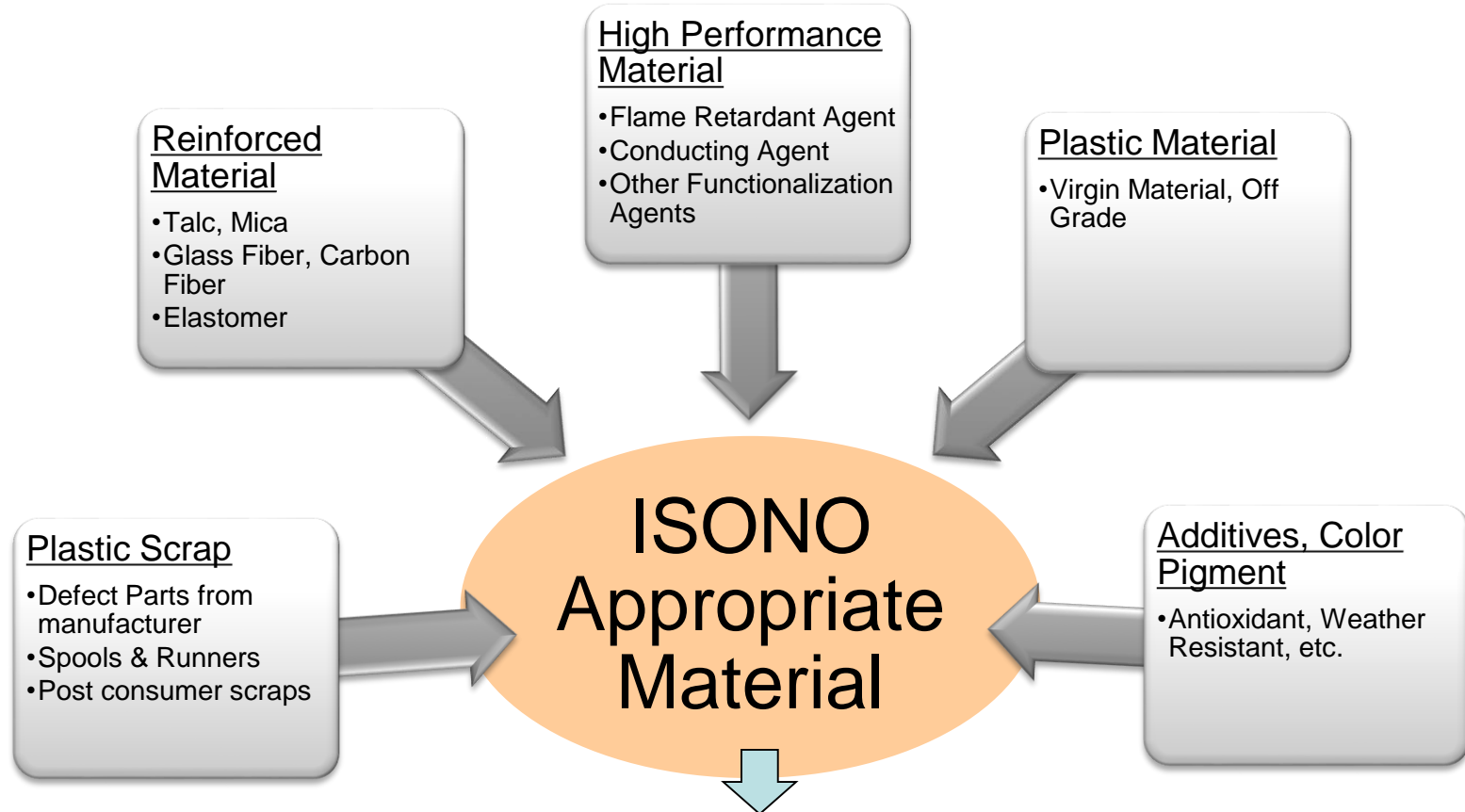
<b>Founded</b>	1 <sup>st</sup> March 1957
<b>Capital</b>	96 million yen
<b>Number of Employees</b>	100
<b>Sales Revenue</b>	10.8 billion yen

<b>Major Clients</b>	Automotive : Toyota, Honda, Nissan, Mazda, Mitsubishi, Suzuki, Daihatsu, Yamaha Consumer Electronics : Panasonic, Mitsubishi Electronic, NEC, Daikin, Sharp Office Appliances : Kokuyo, Mitsubishi Pencil, Shachihata, Inaba Seisakusho
<b>Affiliated Companies</b>	SEIWAKASEI CO., LTD SHANGHAI ISONO PLASTICS CO.,LTD THAI ISONO POLYONE CO.,LTD

## Sales Quantity for ECO-PLASTICS (15,000MT/Y)



## Our Specialties



### Reinforced Material

- Talc, Mica
- Glass Fiber, Carbon Fiber
- Elastomer

### High Performance Material

- Flame Retardant Agent
- Conducting Agent
- Other Functionalization Agents

### Plastic Material

- Virgin Material, Off Grade

### Plastic Scrap

- Defect Parts from manufacturer
- Spools & Runners
- Post consumer scraps

### Additives, Color Pigment

- Antioxidant, Weather Resistant, etc.

**ISONO**  
**Appropriate**  
**Material**

### ECO-Plastic

We design the material recipe based on customer requirements by reusing the appropriate material chosen from all kind of plastic scraps, reinforced material, high performance material, virgin material or additives.

# Application Examples

Existing Product	Existing Material	Value Added Method	New Product
Automotive Interior Parts	PP Copolymer+Talc	Color Compound/ Impact Strength Improvement	Automotive Grill
Automotive Interior Parts	PP Copolymer+Talc	Color Compound/ Impact Strength Improvement	Mudguard (Automotive)
Automotive Interior Parts	PP Copolymer+Talc	Color Compound/ Impact Strength & Rigidity Improvement	Automotive Trunk Board
Automotive Interior Parts	PP Copolymer+Talc	Color Compound/ Rigidity Improvement	Outdoor Air Conditioner Parts
Automotive Interior Parts/ Container	PP Copolymer+Talc	Color Compound/ Impact Strength/ Rigidity & Melt Flow Improvement	Backing of Luggage-room Felt (Automotive)
Automotive Bumper	PP+Elastomer	Color Compound/ Impact Strength Improvement	Under Cover (Automotive)
Battery Case	PP Copolymer	Color Compound/ Melt Flow Improvement	Office Chair Part
Battery Case	PP Copolymer	Color Compound/ Impact Strength/ Rigidity/ Melt Flow & Light Resistance Improvement	Automotive Internal Part
Recycle Material from Consumer Electronics	PP Copolymer+Talc	Color Compound/ Rigidity Improvement	Outdoor Air Conditioner Parts
Recycle Material from Consumer Electronics	PP Copolymer+Talc	Color Compound/ Rigidity Improvement	Water Tank
Industrial Container	PP Copolymer	Color Compound/ Impact Strength Improvement	Consumer Electronics Product
Industrial Sheet	PP+EE	Color Compound/ Rigidity Improvement	Wheel Clamps
Sheet from Food	PP Copolymer	Color Compound/ Impact Strength Improvement	Ballpoint Pen Cap
Food Container	LLDPE	Color Compound	Deck Part
Fibred Bobbin	PP Homo+Talc	Color Compound/ Impact Strength Improvement	Seedling Box
IC Tray	PP+Maica+CF	Rigidity/ Conductivity Improvement	IC Tray
Gas Pipe	HDPE	Color Compound	Label Sheet

## Forging Plastic Industrial Waste Recovery System

- RE-USE the plastic waste from end-of-life vehicle effectively (co-operate with automobile dismantlers)

