



## Contracting for Special Compounds and Masterbatch Processing

We can produce based on the materials, formulations, and processing conditions specified by our customers. We can mix a wide range of raw materials, such as pigments, specialty fillers, and additives (solid to liquid), into thermoplastic resins and process them into pellets. We have a wide range of production equipment available, so feel free to contact us.

### SANDA MANUFACTURING SITE



RAW MATERIAL DELIVERY  
ROUTE



EQUIPPED WITH AN AIR  
SHOWER SYSTEM.

## Features of Resino Color Extrusion Processing

### 1 New Extrusion Factory

This new extrusion factory was established in Sanda, Hyogo Prefecture (Techno Park) in April 2019. It is equipped with an air shower system for raw material reception, and each process is partitioned to ensure an environmentally friendly plant.

### 3 Comprehensive Support From Lab Testing to Full-Scale Production

Equipped with lab facilities, we are able to conduct comprehensive formulation studies and process adjustments with the assumption of full-scale production.

### 2 Wide Range of Production Equipment

We have both single-screw and twin-screw extruders available. Liquid feeding devices are also available, making it possible to knead everything from solids to liquids. Additional mixing and dispersion equipment are also available to accommodate complex manufacturing processes.

### 4 Extensive Processing Know-How

With years of experience in pigment dispersion technology, we can respond to production requests using our unique processing methods and conditions, tailored to your formulations.

## Main Production Equipment

### ■ Single-Screw Extruder



### ■ Twin-Screw Extruder



### ■ Auxiliary Equipment (Side Feeder)



### Auxiliary Equipment (Liquid Feeding Device)



## Main Evaluation Equipment

### Karl Fischer Moisture Meter (Hiranuma)



### MI Testing Machine (Toyoseiki)



### Spectrophotometer (MINOLTA CM-3600A)



### Differential Scanning Calorimetry & Thermogravimetric Analyzer (TG-TA8122 SMARTLODERLODER Rigaku)



## Main Specifications of the "Twin-Screw Extruder TEX54α II" (3 units) and "Twin-Screw Extruder TEM-48SS" (1 unit)

Device Name	TEX54α II
Diameter	Screw Diameter 58 mm L/D=45
Rotation Speed	63 - 634 rpm
Rotation Direction	Same Direction
Cylinder	C1-C13 (Cooling) Water-Cooled, CCW Circulation
Die	Diameter 4.5 mm x 6 Holes, 9 Holes, 11 Holes, 19 Holes, 21 Holes
Liquid Injection	2 Locations Max 100°C
Vent	2 Locations
Side Feeder	2 Locations
Temperature	MAX 350°C

Device Name	TEM-48SS
Diameter	Screw Diameter 48 mm L/D=60
Rotation Speed	1 - 776 rpm
Rotation Direction	Same Direction
Cylinder	C1-C15 (Cooling) Water-Cooled, CCW Circulation
Die	Diameter 4.5 mm x 8 Holes, 10 Holes
Liquid Injection	2 Locations Max 100°C
Vent	4 Locations
Side Feeder	3 Locations
Temperature	MAX 350°C

(Additional Equipment): Liquid Injection Devices 3 units

Side Feeders: For TEX54α II (3 Units) / For TEM-48SS (1 Unit)

### (Examples of Contract Processing):

Compounds and masterbatches of special fillers (inorganic, organic), additives (solid to liquid), etc.

(Application Examples): Electronic materials field, automotive field, hygiene materials field, etc.

Sanda MB Factory

## Resino Color Industry Co., Ltd. Sanda Manufacturing Site

669-1339

30-3 Technopark, Sanda City, Hyogo

Tel.: 079 (568) 7600 Fax: 079 (568) 0909

[See more information online](https://www.resinocolor.co.jp/)

<https://www.resinocolor.co.jp/>

Contact us at:

## Resino Color Industry Co., Ltd. Sales Department

532-0028

3-1-102 Juso Motoimazato, Yodogawa-ku, Osaka City

Tel.: 06 (6301) 0638 Fax: 06 (6308) 6638

130-0021

1-1-3 Midori, Sumida-ku, Tokyo

Tel.: 03 (3634) 1746 Fax: 03 (3633) 6929