



# COLOR MASTERBATCH



色母造粒

金纬机械  
JWELL MACHINERY

# Color Masterbatch

## 色母造粒

**常用色母粒**一般包括纤维用色母粒、薄膜用色母粒、电线电缆用色母粒、注塑制品用色母粒、功能化色母粒等。色母粒朝着多功能化、高颜色含量和高技术含量方向发展。

色母的使用，使颜料在制品中具有更好的分散性，有利于保持颜料的化学稳定性，保证制品颜色的稳定，保护操作人员的健康，保持环境的洁净，工序简单，转色容易，节省时间和原材料。

双螺杆挤出机以其易操作，低能耗，换色简单，广泛运用于色母生产。工艺路线一般包含预混和分布喂料。

**Color masterbatches** generally include color masterbatch for fiber, color masterbatch for film, color masterbatch for wire and cable, color masterbatch for injection molding products, functionalized color masterbatch, etc. The color masterbatch is developing in the direction of multi-function, high color content and high technology. The use of color masterbatch makes the pigment have better dispersibility in the product, which is beneficial to maintain the chemical stability of the pigment, ensure the color stability of the product, protect the health of the operator, keep the environment clean, the process is simple, and the color changing is easy, saving time and raw materials.

The twin screw extruder is widely used in the production of color masterbatch due to its easy operation, low energy consumption and simple color changing. Process routes typically include premixed and multi-feeding.

### 预混料的色母生产 | Masterbatch Production From Premix

- 聚合物粉料 Pulverized Polymers
- 石蜡 Wax
- 颜料 Pigments
- 预混 Pre-mix
- 体积喂料 Feeder
- Cjwh挤出机 Twin Screw Extruder
- 真空排气 Vacuum Pump
- 水槽 Water Trough
- 吹吸干机 Air Blower & Sucker
- 切粒机 Pelletizer

### 分步喂料工艺 | The Multi Feeding Process

- 树脂粒子 Polymer Pellets
- 树脂料斗 Polymer Silo
- 蜡 Wax
- 颜料 Pigment(S)
- 预混 Mixer
- 失重秤 Gravimetric Feeders
- 侧喂料 Side Feeding
- 挤出机 Cjwh Compounder
- 排气 Venting
- 真空泵 Vacuum Pump
- 水槽 Water Trough
- 切粒机 Pelletizer

### 生产线规格型号 | Production Line Specification

机型 Model	长径比 L/D	螺杆转速 Screw Speed rpm/min	电机功率 Motor Power KW	参考产量 Capacity Range kg/hr	典型应用 Typical Application
CJWH-35	44-48	1000	45	150	PE/PP+40% Pigment
CJWH-40	44-48	600	45	150	PE/PP+40% Pigment
CJWH-52	44-48	600	90	250	PET+40% Pigment
CJWH-65	52	600	160	600	PE/PP+75% TiO <sub>2</sub>
CJWH-75	52	600	250	600	PE/PP+45% CB



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