



## 385Mm Length TCT Material Plastic Cutting Blade For Grinding Machine

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: TCT
- Minimum Order Quantity: MOQ 10 Pieces
- Price: Can be discussed
- Packaging Details: 1pc/wrapper, 100pcs/box, 100boxes/ctn, Wooden and carbon boxes
- Delivery Time: 30 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 500 Piece/Pieces per Day



### Product Specification

- Product Name: Plastic Cutting Blade For Grinding Machine
- Material: TCT
- Length: 385mm
- Width: 15mm
- Thickness: 2.5mm
- Hardness: HRC 54-68
- Precision:  $\pm 0.02-0.05\text{mm}$
- Application: All Kind Of Plastic
- Highlight: **385mm plastic cutting blade, 385mm plastic granulator blades, tct plastic cutting blade**



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## Product Description

### 385Mm Length TCT Material Plastic Cutting Blade For Grinding Machine

#### Description:

##### The key performance advantages of granulator blades are:

###### 1,High Hardness and Wear Resistance:

Granulator blades are subjected to significant abrasive wear during the size reduction process, especially when processing hard, fibrous, or abrasive materials.

Blade materials like alloy steel, tungsten carbide, and ceramic possess exceptional hardness, which helps maintain a sharp cutting edge and extend the blade's service life.

###### 2,Impact Toughness:

Granulators often operate under high-impact conditions, with the blades encountering sudden loads and stresses as they interact with the feed material.

Blade materials with high impact toughness, such as alloy steel, can withstand these dynamic loads without chipping, cracking, or breaking, ensuring consistent performance and reliability.

###### 3,Thermal Stability:

The granulation process can generate significant heat, which can affect the structural integrity and cutting performance of the blades.

Blade materials with good thermal stability, like alloy steel and high-speed steel, can maintain their hardness and strength even at elevated operating temperatures, ensuring consistent and efficient size reduction.

###### 4,Corrosion and Chemical Resistance:

In certain applications, such as pharmaceutical, food, and chemical processing, the granulator blades may be exposed to corrosive or chemically aggressive environments.

The use of corrosion-resistant materials, coatings, or specialized surface treatments can protect the blades and prolong their service life in these demanding environments.

###### 5,Consistent Particle Size Reduction:

The blade design and material selection can significantly impact the consistency and uniformity of the granulated product. Carefully engineered blade profiles, combined with high-performance materials, can achieve precise and consistent particle size reduction, meeting the specific requirements of the application.

###### 6,Energy Efficiency:

The selection of high-performance blade materials can contribute to improved energy efficiency in the granulation process. Durable and wear-resistant blades require less power to maintain their cutting performance, resulting in lower energy consumption and operating costs.

###### 7,Reduced Maintenance and Downtime:

Granulator blades made from materials with superior wear resistance and impact toughness require less frequent replacement and maintenance.

This can lead to reduced operational downtime, lower maintenance costs, and improved overall equipment effectiveness (OEE) in the granulation process.

#### Granulator Blade Specifications:

Product Name:	Granulator Blades Manufacturer For Recycling Crusher Machine
Material	SKH-51
Length	100mm
Width	10mm
Thickness	3mm
Hardness	HRC 54-62
Precision	±0.02-0.04mm
Application	All kind of plastic

##### When selecting granulator blade materials for specific applications, the key factors to consider include:

###### 1,Material Hardness and Wear Resistance:

The abrasiveness and characteristics of the feed material (e.g., plastics, pharmaceuticals, minerals) determine the required hardness and wear resistance of the blade material.

Harder materials, such as alloy steel, tungsten carbide, and ceramic, are often selected for applications with highly abrasive or dense feed stocks.

###### 2,Impact Toughness:

The granulation process can involve high-impact loading on the blades, especially in applications with large, dense, or irregularly shaped feed material.

Materials with high impact toughness, such as alloy steel, are preferred to prevent chipping, cracking, or breaking of the blades.

###### 3,Thermal Stability:

The heat generated during the granulation process can affect the blade's hardness, strength, and dimensional stability.

Materials with good thermal stability, like high-speed steel and specialized alloys, are chosen to maintain consistent cutting performance at elevated temperatures.

###### 4,Corrosion and Chemical Resistance:

In industries like pharmaceuticals, food processing, and specialty chemicals, the blades may be exposed to corrosive or chemically aggressive environments.

Corrosion-resistant materials, such as stainless steel or titanium-based alloys, are often selected to ensure compatibility and extend the blade's service life.

###### 5,FDA/Food-Grade Compliance:

For applications involving food, pharmaceutical, or nutraceutical products, the blade materials must be approved for direct or indirect food contact and meet relevant regulatory requirements.

Stainless steel, ceramic, and specialized food-grade coatings are commonly used in these applications.

#### 6, Cost-Effectiveness:

The initial cost of the blade material, as well as the long-term operating and maintenance costs, are important factors in the selection process.

The balance between performance, durability, and cost-effectiveness is crucial, especially in high-volume or cost-sensitive applications.

#### 7, Manufacturability and Machinability:

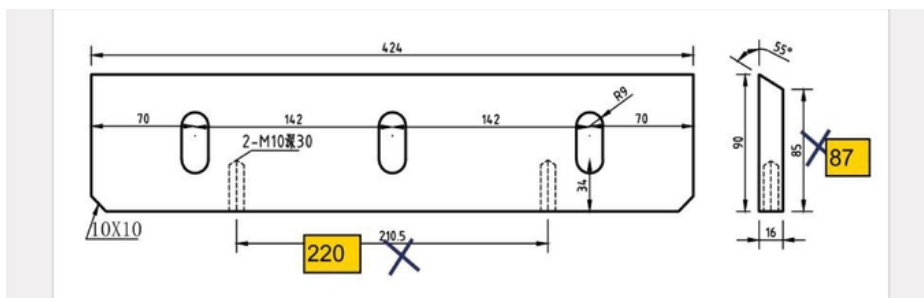
The ease of fabricating and machining the blade material can impact the overall production costs and lead times.

Materials with good machinability, such as certain alloy steels, may be preferred to simplify the manufacturing process and reduce costs.

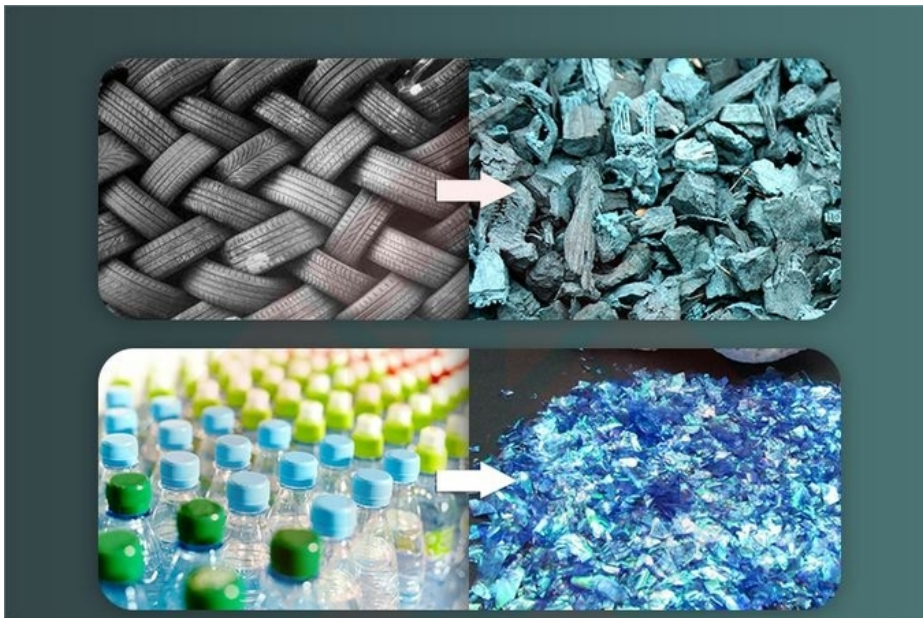
### Picture:



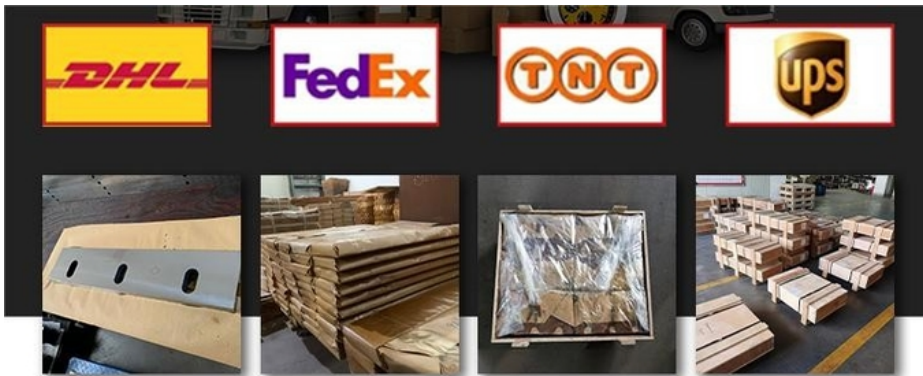
### Size:



### Applications:



### Packing & Delivery:



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