



## Rubber Printing Ink Sheet Metal Cutting Tools For Food Industries

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: HSS
- 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: Sheet Metal Cutting Tools
- Material: HSS
- Hardness: HRC44-54
- Precision:  $\pm 10$  Micron
- Length: 225mm
- Width: 12mm
- Thickness: 10mm
- Applicable Industries: Manufacturing Plant
- Highlight: **high Hardness Sheet Metal Cutting Tools, Food Industries Sheet Metal Cutting Tools**



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## Rubber Printing Ink Sheet Metal Cutting Tools For Food Industries

### Description:

#### Applications of Industrial Blades

Industrial blades are utilized across a wide range of industries, each serving specific cutting, shredding, and processing needs. Here are some of the key application areas for industrial blades:

##### 1. Manufacturing

**Cutting Tools:** Used in machining operations such as drilling, milling, and turning to shape metals and other materials.

**Saw Blades:** Employed for cutting various materials, including wood, metal, and plastics in manufacturing processes.

##### 2. Automotive Industry

**Machining Components:** Industrial blades are used to manufacture automotive parts, including machining engine components, gears, and chassis parts.

**Trim and Processing:** Used in cutting and trimming materials for interior and exterior components.

##### 3. Woodworking

**Chipper Knives:** Used in wood chippers to process wood into chips for landscaping and mulch.

**Saw Blades:** Employed in sawmills and woodworking shops for cutting lumber and other wood products.

##### 4. Food Processing

**Slicing and Dicing:** Industrial blades are used for slicing, dicing, and shredding food products in processing facilities.

**Packaging:** Used in packaging machines to cut films, cartons, and other materials.

##### 5. Textile Industry

**Cutting Machines:** Utilized in textile cutting machines for cutting fabrics and materials in garment manufacturing.

**Shearing Blades:** Employed for trimming and finishing edges of textile products.

##### 6. Plastic and Rubber Processing

**Granulators:** Industrial blades are used in granulating machines to shred plastic and rubber materials for recycling.

**Cutting and Shaping:** Employed in various processes for cutting and shaping plastic products.

##### 7. Aerospace

**Precision Cutting:** Used in the aerospace industry for machining and cutting components that require high precision and durability.

**Composite Material Processing:** Employed to cut advanced composite materials used in aircraft manufacturing.

##### 8. Recycling

**Shredders:** Industrial blades are used in shredding machines to process waste materials, including metals, plastics, and organic waste.

**Granulating:** Employed in recycling operations to reduce materials into smaller sizes for reprocessing.

##### 9. Construction

**Demolition Tools:** Used in demolition and cutting tools for concrete, metal, and other construction materials.

**Saw Blades:** Employed for cutting tiles, bricks, and other building materials.

### Industrial Blade Specifications:

Product name	Sheet Metal Cutting Tools
Material	HSS
Hardness	HRC44-54
Precision	±10 Micron
Length	225mm
Width	12mm
Thickness	10mm
Applicable Industries	Manufacturing Plant

#### Impact of Blade Material on Application Areas in Industrial Blades

The choice of material for industrial blades significantly affects their performance, durability, and suitability for specific applications. Here's how different materials influence the application areas of industrial blades:

##### 1. High Carbon Steel

**Applications:** Commonly used in woodworking and general-purpose cutting tools.

**Impact:** Offers good sharpness and ease of sharpening, making it suitable for applications where frequent edge maintenance is feasible. However, it may not be ideal for highly abrasive materials due to lower wear resistance.

##### 2. Tool Steel

**Applications:** Widely used in manufacturing cutting tools, dies, and industrial blades for machining operations.

**Impact:** Provides excellent hardness and toughness, allowing it to handle high-stress applications. Its ability to maintain sharp edges makes it suitable for precision machining in the automotive and aerospace industries.

##### 3. Stainless Steel

**Applications:** Ideal for food processing and medical instruments.

**Impact:** The corrosion resistance of stainless steel is crucial in environments where hygiene is paramount. It is suitable for cutting food products and medical supplies, where contamination must be minimized.

##### 4. Tungsten Carbide

**Applications:** Common in heavy-duty applications, such as wood chipping and industrial shredders.

**Impact:** The extreme hardness and wear resistance of tungsten carbide make it suitable for processing tough materials. Its durability reduces the frequency of replacements, making it cost-effective in industrial settings.

##### 5. Ceramic

**Applications:** Used in applications requiring precision cutting, such as food processing and certain manufacturing environments.

**Impact:** Ceramic blades maintain sharpness longer and resist corrosion but can be brittle, limiting their use in high-impact applications. They are ideal for clean, precise cuts.

## 6. Alloy Steel

**Applications:** Used in various industrial blades for cutting, shearing, and shaping materials.

**Impact:** Alloy steels provide a balance of hardness and toughness, making them versatile for different applications, including metalworking and woodworking.

## 7. Polymer Blades

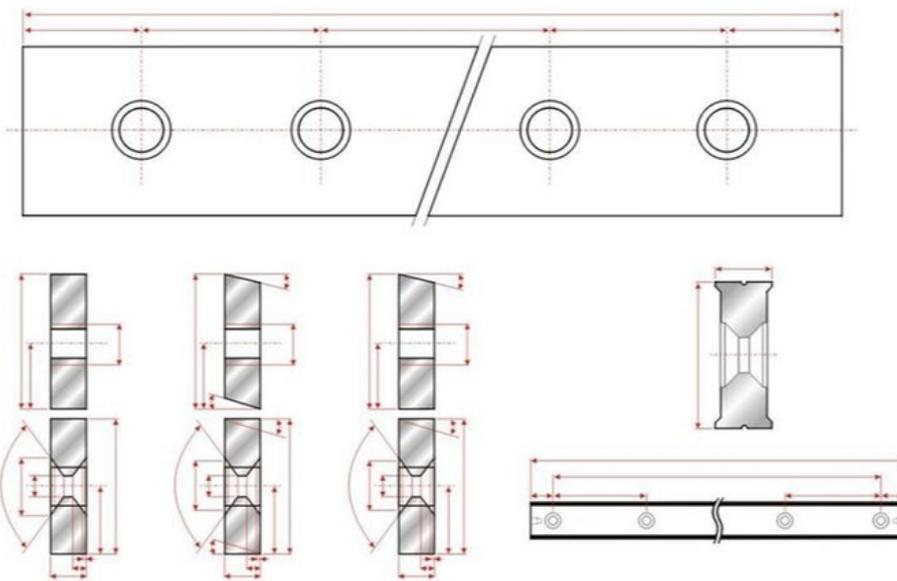
**Applications:** Common in packaging and soft material cutting.

**Impact:** Lightweight and corrosion-resistant, polymer blades are suitable for applications involving delicate materials, reducing the risk of damage during cutting.

**Picture:**



**Applications:**



**Packing:**



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