Material Tungsten Carbide Industrial Shears Blades Paint Mixing Machine

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Seton
- Certification: CE ISO
- Model Number: Tungsten Carbide
- 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: Industrial Shears Blades
- Material: Tungsten Carbide
- Hardness: HRC54-68
- Precision: ±30 Micron
- OD: 265mm
- ID: 105mm
- Thickness: 5.4mm
- Applicable Industries: Manufacturing Plant
- Highlight: **Material Industrial Shears Blades**, **Tungsten Carbide Industrial Shears Blades**, **Paint Mixing Machine Industrial Shears Blades**

More Images

Our Product Introduction

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Product Description

Material Tungsten Carbide Industrial Shears Blades Paint Mixing Machine

Description:

Overview of Tungsten Carbide Industrial Blades

1. Definition
Tungsten carbide industrial blades are cutting tools made from a composite of tungsten and carbon, known for their exceptional hardness and durability.
2. Material Composition
Tungsten Carbide: Composed primarily of tungsten (approximately 80-95%) and carbon, this material forms a dense, hard compound.
Cobalt Binder: Often includes a cobalt binder to enhance toughness and facilitate manufacturing processes.
3. Properties
Hardness: Tungsten carbide is one of the hardest materials available, typically measuring between 1500 and 2000 HV (Vickers hardness).
Wear Resistance: Highly resistant to wear and abrasion, making it ideal for cutting hard materials.
Heat Resistance: Maintains its hardness at high temperatures, allowing for consistent performance even under intense cutting conditions.
Brittleness: While very hard, tungsten carbide can be brittle, which means it may chip or crack under excessive impact.
4. Applications
Metal Cutting: Commonly used in metalworking industries for cutting, shaping, and machining metals.
Woodworking: Employed in saw blades and router bits for cutting hardwoods and composites.
Food Processing: Utilized in industrial applications for cutting meat, bones, and other tough materials.
5. Advantages
Longevity: Tungsten carbide blades typically have a longer lifespan compared to blades made from other materials.
Precision Cutting: Provides clean and precise cuts, enhancing product quality.
Reduced Downtime: The durability of tungsten carbide minimizes the need for frequent replacements, leading to less downtime in production.
6. Maintenance
Regular inspection and proper storage are essential to prevent chipping and maintain performance. Sharpening should be done using appropriate tools to preserve the blade's geometry.

Industrial Blade Specifications:

Product name	Industrial Shears Blades
Material	Tungsten Carbide
Hardness	HRC54-68
Precision	±30 Micron
OD	265mm
ID	105mm
Thickness	5.4mm
Applicable Industries	Manufacturing Plant

Here are essential safety precautions to take when using tungsten carbide industrial blades:

1. Personal Protective Equipment (PPE)
Gloves: Wear cut-resistant gloves to protect your hands from sharp edges.
Safety Goggles: Use goggles to shield your eyes from flying debris or particles.
Face Shield: Consider a face shield for additional protection during high-speed cutting.
2. Proper Handling
Secure Grip: Always maintain a firm grip on the tool or machine to prevent slips and accidents.
Keep Hands Clear: Ensure hands and body parts are away from the cutting area when the blade is in operation.
3. Machine Safety
Guarding: Ensure that all safety guards are in place and functioning properly before use.
Emergency Stop: Familiarize yourself with the emergency stop mechanism of the cutting machine.
4. Work Area Organization
Clean Workspace: Keep the cutting area clean and free of clutter to prevent accidents.
Proper Lighting: Ensure adequate lighting to clearly see the cutting line and avoid mistakes.
5. Blade Inspection
Check for Damage: Regularly inspect blades for chips, cracks, or wear before use. Do not use damaged blades.
Sharpening: Only sharpen blades using appropriate tools and techniques to avoid compromising their integrity.
6. Cutting Techniques
Follow Procedures: Always adhere to safe cutting procedures and techniques as outlined in the machine’s operating manual.
Do Not Force: Avoid forcing the material through the blade; let the blade do the cutting.
7. Training and Awareness
Proper Training: Ensure that all operators are trained in the safe use of tungsten carbide blades and machinery.
Stay Focused: Avoid distractions while operating machinery to maintain concentration.
8. Storage and Maintenance
Safe Storage: Store blades in protective cases or sheaths to prevent accidental cuts and damage.

Regular Maintenance: Perform regular maintenance checks on the machines and blades to ensure safe operation.

Picture:

Production process:

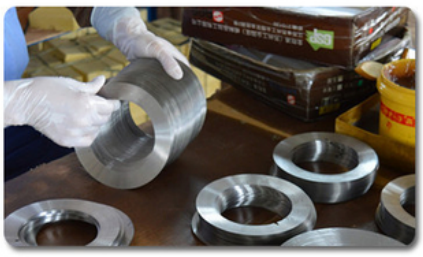
1.material picking

2.forging

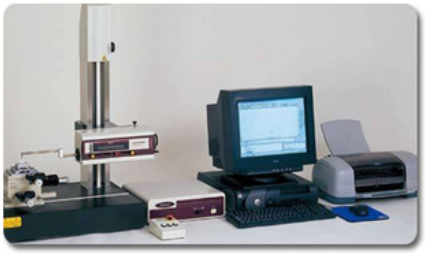
3.heat treatment

4.coarse grinding

5.fine grinding



6.Cleaning



7.final quality control

8.packing

Packing:

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