

Practical machinery and customized production lines for textile waste processing and fiber production.

# From Waste to Reusable Fiber

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*Solutions for different raw materials*

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- Cotton Waste
- Fabric Waste
- Denim Waste
- Carpet Waste
- Felt / Layer Waste
- Yarn & Thread Waste
- Filament Waste
- Natural Wool
- PET & Flakes
- Other Textile & Fiber Waste

*The right solution depends on the raw material, required capacity, target product, available space and production conditions.*

# Textile Bale Press Machine

*The Smart Solution for Fiber Compression and Baling*



Designed for efficient compression and baling of processed textile fibers and materials, helping improve handling, storage and transport.

|                            |                     |
|----------------------------|---------------------|
| <b>Production Capacity</b> | 250 kg/hour         |
| <b>Machine Weight</b>      | 1,600 kg            |
| <b>Power Supply</b>        | 3-Phase Electricity |
| <b>Dimensions</b>          | 180 × 120 × 280 cm  |
| <b>HS Code</b>             | 84224000            |

## Key Benefits

- Efficient fiber compression and baling
- Improved handling and storage
- Suitable for industrial production environments

# Carding Machine

Industrial fiber opening, cleaning and carding



High-performance industrial carding machine designed for efficient fiber opening and processing of textile fibers and fabrics. Suitable for solid fiber production.

|                  |                     |
|------------------|---------------------|
| Capacity         | 30–50 kg/hour       |
| Machine Weight   | 1,200 kg            |
| Dimensions       | 220 × 120 × 150 cm  |
| Power Supply     | 3-Phase Electricity |
| HS Code          | 8448.12             |
| Available Widths | 1 m and 1.5 m       |

## Key Benefits

- Heavy-duty industrial design
- Efficient fiber opening and processing
- Designed for continuous production

# RISE Fiber Opening Machine

*Textile waste opening and fiber recovery*



High-efficiency textile waste opening machine for recycling and fiber processing. It transforms carpet waste, textile scraps and fiber waste into reusable fibers.

|                |                                   |
|----------------|-----------------------------------|
| Capacity       | 80–100 kg/hour                    |
| Machine Types  | Single-cylinder & Double-cylinder |
| Machine Weight | 450 kg                            |
| Dimensions     | 120 × 170 × 100 cm                |
| Power Supply   | 3-Phase Electricity               |
| HS Code        | 84451190                          |

## Key Benefits

- Reduce material waste
- Lower production cost
- Recover reusable fiber from textile waste

# Ball Fiber Machine

*Fiber ball production for filling applications*



High-performance machine for producing fiber balls used in pillows, cushions, toys and other filling applications. It converts processed fiber into fiber balls.

|                 |                         |
|-----------------|-------------------------|
| Capacity        | 80 kg/hour              |
| Machine Weight  | 600 kg                  |
| Power Supply    | 3-Phase Electricity     |
| Available Sizes | 150 cm / 100 cm / 80 cm |
| HS Code         | 8445.19                 |

## Key Benefits

- Reliable and efficient operation
- Suitable for filling-fiber production
- Designed for consistent fiber-ball formation

# Hollow Fiber Fluffing Machine

*Convert raw fiber into cleaner, softer and more uniform fiber*



The machine processes raw hollow or solid fiber and improves its fluffiness and uniformity for downstream filling and fiber applications.

|                       |                               |
|-----------------------|-------------------------------|
| <b>Capacity</b>       | 200 kg/hour                   |
| <b>Configurations</b> | 3 / 5 / 7 workers (cylinders) |
| <b>Power Supply</b>   | 3-Phase Electricity           |

## Key Benefits

- Cleaner and softer fiber
- More uniform fiber structure
- Available in multiple configurations

# Textile Fiber Condenser & Cotton Waste Recovery System

*Pneumatic conveying with dust and fine-particle removal*



Designed for pneumatic conveying of cotton waste and textile fibers while simultaneously removing dust and fine particles from the material stream.

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Application</b>   | Cotton waste and textile fiber conveying        |
| <b>Main Function</b> | Material conveying + dust/fine-particle removal |
| <b>Configuration</b> | Customized according to production line         |

## Key Benefits

- Prevents fiber dispersion in the production area
- Improves air cleanliness
- Reduces material loss

# Automatic Fiber Feeding Machine

*Smart Feeding, Better Production*



Designed for continuous and uniform fiber feeding to carding machines and other processing equipment, reducing manual handling and improving workflow.

|                              |                                              |
|------------------------------|----------------------------------------------|
| <b>Capacity Options</b>      | 60 kg/hour or 250 kg/hour                    |
| <b>Machine Width Options</b> | 1.5 m or 2 m                                 |
| <b>Application</b>           | Continuous fiber feeding to processing lines |

## Key Benefits

- Consistent and automatic fiber feeding
- Reduced operator dependency
- Improved production efficiency
- Stable material flow for better output quality

# Fiber Guillotine Cutting Machine / RAG Shredder

*Cutting and size reduction for textile waste*



Used for cutting and shortening yarn waste, fiber waste, fabric waste and other textile scraps before further processing.

**Cutting Width**

50 cm

**Applications**

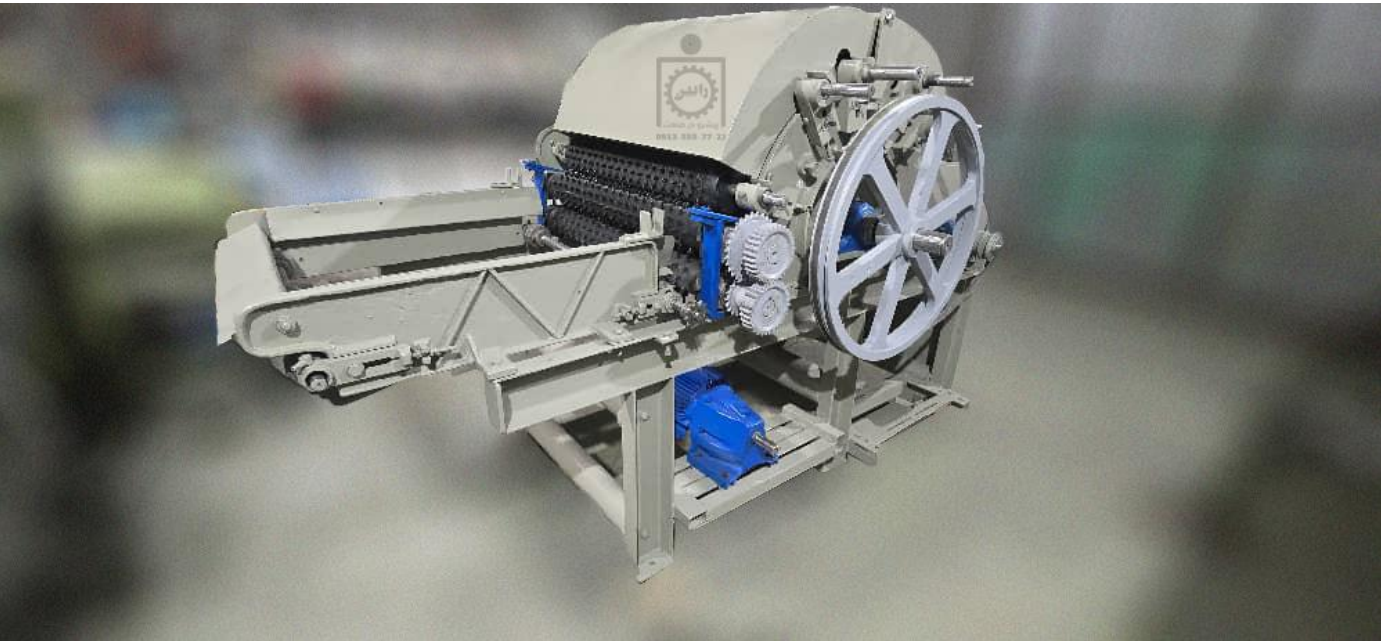
Yarn, fiber, fabric and textile scraps

## Key Benefits

- Prepares oversized waste for downstream opening
- Supports more consistent material feeding

# Grample Wool Opener

Turn Raw Wool into Profitable Products



Raw sheep wool needs proper preparation before further processing. This machine gently opens and fluffs natural wool, helping prepare the material for subsequent stages and improving fiber uniformity.

|                |                    |
|----------------|--------------------|
| Capacity       | 120 kg/hour        |
| Machine Weight | 600 kg             |
| Dimensions     | 180 × 120 × 180 cm |
| HS Code        | 8448.32            |

## Key Benefits

- Gentle opening of natural wool
- Improves fiber quality and uniformity
- Prepares wool for downstream processing

# Customized Production Lines

*Configured around your material and production target*

We recommend and configure the most suitable production line according to your geographical conditions, available production space, workforce, raw material, required capacity and target product.

|                      |                                        |
|----------------------|----------------------------------------|
| Cotton Waste         | Opening • Cleaning • Carding • Fiber   |
| Fabric / Denim Waste | Cutting • Opening • Cleaning • Fiber   |
| Carpet Waste         | Opening • Cleaning • Fiber Recovery    |
| Yarn & Thread Waste  | Cutting • Opening • Fiber Recovery     |
| Natural Wool         | Opening • Fluffing • Fiber Preparation |
| PET / Flakes         | Customized processing route            |

*These are examples only. The final line configuration is determined after evaluating the raw material, capacity, target product and site conditions.*

# Installation, Maintenance & Overhaul

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*Support before, during and after production starts*

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## Complete Line Setup

- Design
- Manufacturing
- Delivery
- Installation
- Commissioning
- Operator Training

## Maintenance & Repair

## Overhaul

Overhauled machines undergo detailed inspection, repair and restoration. Overhauled machines are supplied with warranty and after-sales support.