

YUEDU Shredders

Tobacco Industry Shredding, Secure Destruction and Resource Recovery Solutions

For Tobacco Manufacturers,
Packaging Printers and Secure
Destruction Operations

**Secure Destruction | Volume Reduction | Resource
Recovery | Line Integration**

Applications Covered

Security-coded packaging | Printed packaging waste |
Filters and cellulose acetate
Counterfeit and seized cigarettes | Production trim |
Confidential documents

From Standalone Machines to Complete Systems

Configured around material type, throughput, security
requirements, plant layout and downstream handling.



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01 Material Control Challenges in the Tobacco Industry

Tobacco manufacturing, packaging printing and enforcement operations generate materials that may contain serialized track-and-trace codes, tax stamps, brand identifiers, recoverable material or confidential information. YUEDU configures standalone shredders and integrated systems around the material, required destruction result, throughput and downstream handling method.

01 Security-Coded and Serialized Packaging

Destroys QR codes, serialized track-and-trace data, tax stamps and intact packaging to reduce unauthorized reuse.

02 Printed Packaging Waste

Processes cartons, laminated paper, print rejects and branded trim for secure handling and volume reduction.

03 Filters, Filter Rods and Cellulose Acetate

Destroys the original filter form and prepares recoverable cellulose acetate material for compaction and transport.

04 Counterfeit, Seized and Rejected Cigarettes

Supports centralized, high-volume destruction of cartons and cases to prevent re-entry into the market.

05 Lightweight Production-Line Trim

Online collection, shredding, pneumatic transfer or central compaction reduces dispersion and manual handling.

06 Confidential Business Documents

Secure destruction of financial, contractual, production, technical, R&D and archived records.

YUEDU System Approach

Destroy identifying information and the conditions for reuse; compact recoverable material after secure processing; and integrate automated handling with the plant's existing workflow wherever practical.



Security-coded packs and print waste



Filters, rods and lightweight wrapping paper



Filter rods and cellulose acetate

02 Applications at a Glance

Application	Materials	Primary Objective	Typical Configuration
1 Security-code and serialized-packaging destruction	QR-coded packs, serialized track-and-trace codes, tax stamps, security labels and branded packaging	Prevent identification and reuse	Fine shredding + pneumatic transfer / compaction
2 Packaging print waste and trim	Cartons, laminated paper, print rejects, branded paper	Secure handling + volume reduction	Industrial shredding + conveying / baling
3 Filters and cellulose acetate	Discarded filters, filter rods and cellulose acetate tow	Secure shredding + recovery preparation	Conveying + shredding + compaction
4 Counterfeit and seized cigarettes	Counterfeit, illicit, seized and rejected cigarettes	Centralized high-volume destruction	Case feeding + heavy-duty industrial shredding
5 Lightweight production-line trim	Cigarette paper, tipping paper, plug wrap, packaging paper and continuous trim	Online volume reduction + automated handling	Online collection + shredding + pneumatic transfer
6 Confidential business documents	Financial, contractual, production, R&D and archived records	Destruction to the required security level	Office / records room / centralized destruction system

03 System Configurations

We can supply a complete system or integrate individual machines into an existing production line.

Material collection	Conveying / feeding	Shredding	Pneumatic / discharge	Dust control / separation	Storage	Compaction / baling	Recovery / disposal
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Four Typical Configurations

A Standalone Machine

For lower volumes or plants with an established waste-handling system.

B Shredding and Conveying

For continuous, higher-volume processing of packaging, print waste and cigarettes.

C Shredding and Pneumatic Transfer

Shredded material enters the plant's existing pneumatic conveying system for transfer to a central waste-handling area.

D Complete Automated System

Conveying + shredding + pneumatic transfer + dust control + storage + compaction/baling + PLC control.

Integration Value

Where conveyors, pneumatic conveying, dust control, compactors or central waste systems already exist, YUEDU can supply the required shredding equipment and interfaces without duplicating installed plant equipment.



Packaging production line connected to shredding equipment

04 Application Details

4.1 Secure Destruction of Security-Coded and Branded Packaging

Physical shredding destroys serialized track-and-trace codes, QR codes, tax stamps, anti-counterfeit features and the original package structure so discarded material cannot be reused as intact packaging.

Application

For projects involving small security codes, including QR-code areas of approximately 8 x 8 mm in some Chinese tobacco applications, the required particle size should be determined from the code dimensions, the customer's security policy, material construction and throughput requirement.

Available configurations include 300ES, 425S, 500S, 428130, 5001, 5002, SL3040, SL6040 and SL6090 machines or custom systems. Final selection is based on project requirements and material testing.

Three Typical Process Flows

A Manual Feeding and Standalone Shredding

Discarded packaging → manual feeding → shredding → collection bin → central transfer

B Continuous Conveying and Shredding

Production waste → conveyor → industrial shredding → discharge conveyor → compaction or baling

C Connection to Existing Pneumatic Transfer

Line waste → shredding → pneumatic interface → existing conveying system → central waste area → compaction or baling



Fine-cutting system for security-coded packaging



Integrated shredding system for coded packaging



Compact system for coded labels and packaging

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4.2 Printed Packaging Waste and Production Trim

Processes cartons, laminated paper, print rejects, die-cut trim and branded packaging. The system destroys brand information, reduces volume and prepares material for downstream recycling.

Print / production waste	Industrial shredding	Conveying / pneumatic transfer	Compaction / baling	Recovery
				
Post-shredding conveying at a packaging-printing plant		Shredding installation at a cigarette plant		

4.3 Cigarette Filters and Cellulose Acetate Recovery

These systems destroy the original form of filters and filter rods to reduce the risk of unauthorized reuse. Recoverable cellulose acetate can then be compacted for transport and downstream processing.

Conveying	Filter shredding	Material collection	Compaction	Baling	Downstream recovery
					
					

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Integrated filter and cellulose-acetate shredding
and compaction system

Separated cellulose acetate material

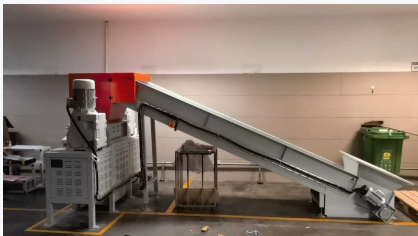
4.4 Bulk Destruction of Counterfeit, Seized and Rejected Tobacco Products

Designed for tobacco companies, customs authorities, regulators and secure-destruction contractors. Cartons and cases can be fed by conveyor into large-inlet industrial shredders for controlled, high-volume destruction.

Carton / case feeding	Conveyor	Heavy-duty shredding	Central collection	Compaction / final disposal
				
Cartons or cases of seized cigarettes		Conveyor-fed destruction		

4.5 Online Processing of Lightweight Paper Trim

Online collection and shredding reduce dispersion, storage volume and manual handling of lightweight paper trim generated continuously on production lines. The system can connect directly to central pneumatic transfer or waste-handling equipment.

Production-line trim	Online collection	Shredding / volume reduction	Pneumatic transfer / storage	Central compaction
				
Paper-trim collection and shredding installation A		Paper-trim collection and shredding installation B		

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4.6 Confidential Document and Financial Record Destruction

For financial records, contracts, purchasing files, production records, technical documents, R&D materials and archives. Configurations range from office shredders to records-room and centralized destruction systems.

Office	Finance / records room	Central destruction center
		
Tobacco-plant installation for financial records, archives and technical documents		Office-document shredding installation

05 Information Needed to Specify the System

- Material: type, construction, dimensions and form, supported by photos or video where possible.
- Required outcome: secure destruction, volume reduction, material recovery or a combination.
- Capacity: required hourly or daily throughput and continuous operating hours.
- Destruction requirement: target output size and any applicable internal or regulatory standard.
- Output handling: collection bin, bulk bag, pneumatic conveying, compaction, baling or recycling.
- Site integration: existing conveyors, pneumatic systems, dust-control equipment, compactors and central waste facilities.

Selection Principle

First define the material and objective, then confirm throughput and output size. Finally, use the plant's material flow and downstream handling requirements to determine whether a standalone machine or complete system is appropriate.

06 Solution Benefits

Secure Destruction

Destroys QR codes, security marks, branded packaging, filters and confidential records so they cannot be reused in their original form.

Volume Reduction and Efficiency

Reduces waste volume, manual handling and floor-space requirements while improving centralized processing.

Resource Recovery

Prepares cellulose acetate, paper and packaging materials for recovery through shredding and compaction.

Plant Integration

Connects with existing conveyors, pneumatic ducts, dust-control equipment, compactors and central waste systems.

From Machine to Complete System

Available as individual equipment or as a complete, project-specific material-handling system.



Filter material at a tobacco manufacturing site



Filter and cellulose-acetate processing system



Compacted material



Cellulose acetate material after opening and separation

Material-handling systems configured for the security, capacity and workflow requirements of tobacco operations.

YUEDU can support the process from waste collection and secure shredding through conveying, compaction, material recovery and final disposal.

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Business License (Translated Version)

Shanghai Yuedu Technology Co., Ltd.

◆ Company Information

Company Name:

Shanghai Yuedu Technology Co., Ltd.

Unified Social Credit Code:

91310114MA1GUXHQ8H

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Registered Capital:

RMB 3,700,000

◆ Registration Details

Date of Establishment:

September 5, 2018

◆ Registration Authority

Shanghai Jiading District Administration for Market Regulation

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About YUEDE Shredders

Shanghai YUEDU Technology Co., Ltd. is a **Shanghai-certified high-tech enterprise** specializing in the development and manufacturing of **shredding and destruction equipment**. We serve a wide range of sectors including **government agencies, financial institutions, military departments, enterprises, and recycling industries**.

Our offerings include **office and industrial-grade paper shredders, hard drive destroyers, plastic crushing systems, and fully customized destruction center solutions**. From design to delivery, we help clients achieve efficient, secure, and compliant material destruction.

Our Mission

We are dedicated to the shredding and destruction industry, continuously solving diverse material shredding and disposal challenges for our clients around the world.

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