

Central Bank & Banknote Printing Industry Solution

央行与印钞行业安全销毁解决方案

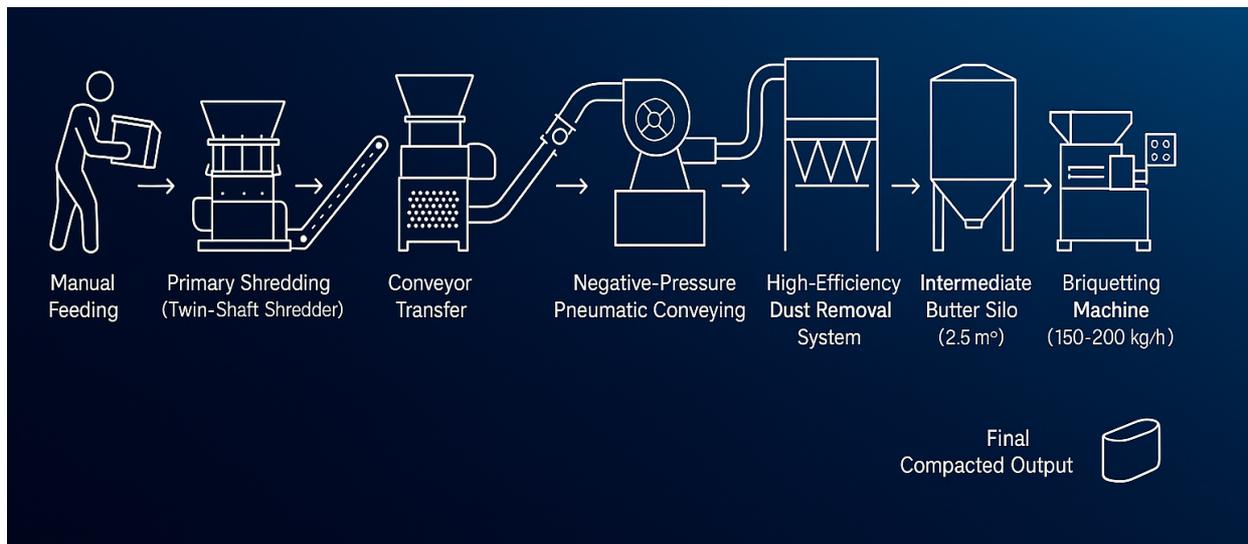
Banknote Destruction Systems

1 mm Powder | Integrated Shredding + Briquetting



SHANGHAI YUEDU TECHNOLOGY CO., LTD. @YUEDUShredders

Secure. Efficient. Compliant.



*BDS for Central-bank-level:
Two-Stage Shredding / Dust Extraction & Filtration / Briquetting*

Case study • Client A

Banknote Destruction Machine



Integrated Baler and Compactor



Output



Industry Background 行业背景

Banknotes, securities, and confidential financial materials require **strict, centralized destruction** under national regulations.

In most countries, the **Central Bank or Security Printing Corporation** mandates that obsolete or damaged banknotes be **shredded and compacted** before final disposal — ensuring both **security and traceability** throughout the process.

钞票、证券及金融票据的销毁，必须在中央银行或安全印钞机构的监管下集中完成。传统的单一碎纸设备已无法满足安全与环保的双重要求，现代化的销毁系统要求从粉碎到压块、除尘、集中收集、信息留痕的全流程闭环管理。

YUEDU Solution Overview 越都解决方案总览

Goal: Provide a secure, reliable, and scalable destruction line from in-feed to briquette, with full process traceability and low TCO.

目标：从进料到压块的全流程安全销毁，提供可扩展产能、全程可追溯与低总拥有成本（TCO）。



Integrated Line



Scalable



High Security



Modular Options

Structure solutions as Standard / Modular / Tailored Lines, all modular & scalable to site constraints and capacities.

标准线、模块化线与定制线三轨并行，按产能与银行场地灵活组合，均为模块化可扩展结构。

Capacity spans 20–1,000 kg/h (standard) and can be customized up to 1,500 kg/h; shredding, suction, dust filtration and briquetting are delivered as one coherent solution.

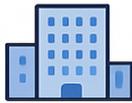
产能覆盖 20–1000 kg/h（标准），可定制到 1500 kg/h；粉碎、抽吸、除尘与压块作为统一方案交付。

Capacity Tiers



Standard Line

20–300 kg/h



Modular Line

300–1,000 kg/h



Tailored Line

1,000–1,500 kg/h +

Solution Architecture – 系统架构（模块化）

System Workflow 系统运行流程

Feeding → Shredding → Dust Dust Extraction & Pneumatic Conveying → Briquetting / Bagging → Monitoring & Control → Storage/Dispatch

进料 → 粉碎 → 抽吸/气力输送 + 除尘过滤 → 压块/装袋 → 监控与控制 → 储运



Each stage works seamlessly through modular design and centralized PLC control, ensuring **continuous operation, data traceability, and high-level security** for national banks, mints, and document destruction centers.

整线采用模块化结构与 PLC 集中控制，实现连续作业、数据留痕及高等级保密，适用于中央银行、造币厂及安全印务机构的集中销毁中心。

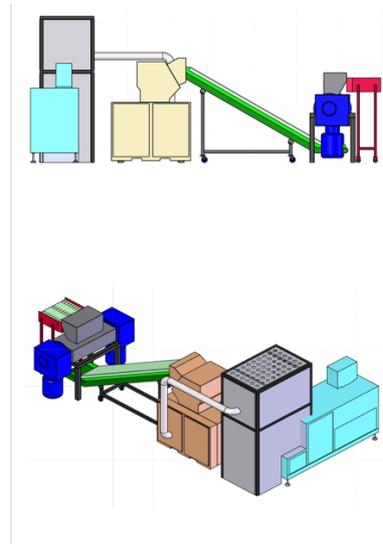
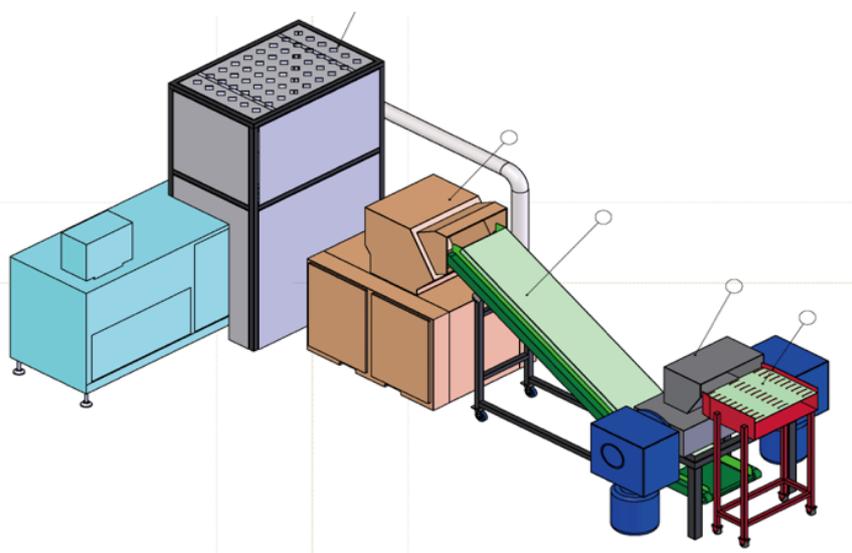
System Composition 系统组成结构

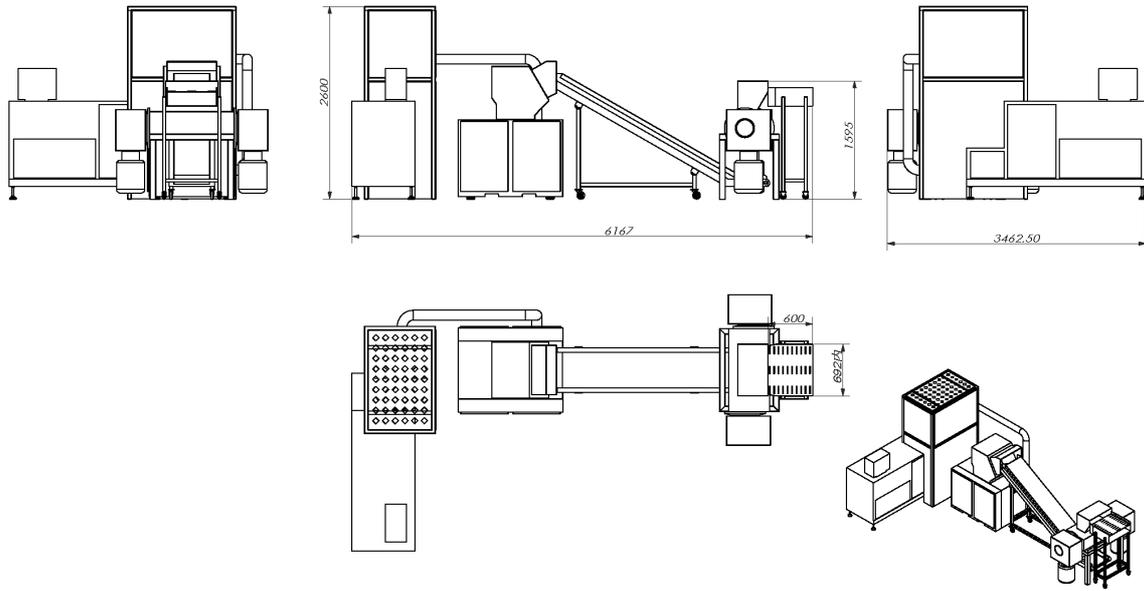
No.	Module 模块	Description (English)	中文说明
1	Feeding & Preparation Unit	Handles the intake of obsolete banknotes or securities. Designed with safety covers and anti-jam protection to ensure stable feeding.	进料与准备单元，用于接收需销毁的废旧钞票或凭证，配备安全盖与防卡装置，确保进料稳定安全。
2	Shredding Unit	High-torque industrial shredder reduces banknotes into fine particles of 1–3 mm (up to 1 mm powder for top-security applications).	高扭矩工业粉碎机，将钞票粉碎成 1–3 mm 颗粒（可达 1 mm 粉末级），满足高级别保密销毁需求。
3	Dust Extraction Unit	Multi-stage dust collection and filtration system maintains a clean, dust-free working environment and protects operators.	多级除尘与过滤系统，实时吸附纸粉，保持销毁现场洁净无尘，保障操作环境安全。
4	Briquetting / Compaction Unit / Bagging	Briquetting / Compaction Unit Compress shredded particles into Ø90×40 mm briquettes for easy weighing, storage, and traceable disposal.	大量（高通量）： 液压压块（高压缩比，显著降低储运成本）。
		Bagging / Boxing More economical and easier to handle and ship for small volumes or polymer notes.	小量（小批量或聚合物）： 装袋/装箱更经济，装运处理更轻松。
5	PLC & Monitoring with Traceability	Central control with touch-screen interface integrates all modules, providing real-time operation data, weighing records, and video traceability. Lockable hoppers and the two-person rule ensure secure batch operations with full auditability.	中央 PLC 触控控制系统整合全线设备，实时显示运行状态、称重记录及影像留存，确保全过程可追溯。可对接客户现金中心系统。 上锁料仓与“两人规则”支持批次化安全作业，满足审计留痕。
6	Optional Modules	Customizable extensions such as conveyor auto-feeding, magnetic separation units, weighing platforms, Remote diagnostics, Reports & dashboards.	可选扩展模块：输送带自动进料、磁分选装置、称重台、远程诊断、报表与看板等，根据场地与需求灵活配置。

Capacity Tiers & Line Types / 产能档位与线路类型

Reference Line 参考线	Typical Capacity 典型产能	Usage Scenarios 场景	Models
Standard Line 标准线	20–300 kg/h	Security Rooms / Municipal Destruction Room 涉密销毁室/地市销毁室	Solution C: Cost-Effective 1–3mm Shredding ✓ (6/7) QL300 – QL600 Series – Budget-friendly shredders from \$2,000 ✓ (7/7) SL500 – SL700 Series – Silent, high-security shredding for offices
Modular Line 模块化线	300–1,000 kg/h	Provincial / National Treasury Large-Scale Center 省行/国库大型中心	Solution B: Ultra-Fine 1mm Shredding System ✓ (4/7) 300BM1 – 600BM1 Series – Ultra-fine shredding (1mm) for P-6 compliance ^[SEP] ✓ (5/7) Modular Systems 6002 & 4001 – Customizable with briquetting/baling
Tailored Line 定制线	1,000–1,500 kg/h+	National Cash Center / Banknote Printing Plant / Central Banks 国家级现金中心/印钞厂	Solution A: Integrated Shredding & Briquetting ✓ (1/7) BM3002P-9075 – High-security integrated shredding & briquetting ✓ (2/7) BM6002P – Dual-stage shredding for high-capacity destruction ✓ (3/7) Models 5002 & 5001 – Shredding + baling combo

Case study • Client B





Recommended Models 推荐机型

Model 型号	Type & Positioning 类型与定位	Target Scenario 适用场景	Capacity / Briquette Throughput / Baler 产能 块/打包	Key Highlights 特点
BM3002P-9075	Integrated shredding + briquetting 一体化粉碎+压块	Provincial / Municipal Destruction Room 省级/地市级销毁室	100-150 kg/h @ 3 mm ; ~75 kg/h @ 1 mm Ø90×40 mm paper briquette 纸砖	Closed feeding, dual-control, PLC HMI, video & weighing traceability 封闭式进料、双重控制、PLC触屏、视频与称重追踪
BM6002P	Modular 1 mm mainline 模块化 1 mm 主线	Provincial Bank / Treasury Center 省行/国库中心	300-700 kg/h Briquetter (scalable 联机压块可扩展) / Baler 打包	Multi-point suction, long-run ducting, cross-room/floor 跨房间/楼层多点抽吸, 主线扩展性强
BM6002P (Parallel) + YKJ90-75 / 90-250	High-throughput parallel line 并联系统	National Cash Center / Banknote Printer 国家级现金中心/印钞厂	1000 kg/h+ (single port) / (按需并联) YKJ90-250 (dual port)	Scalable, low TCO, high uptime 可扩展、低总拥有成本、稳定高可用
BM4001	Compact 1 mm upgrade 紧凑 1 mm 升级	Small rooms / retrofit 存量房间快速改造	Works with existing system 对接既有除尘/压块	Quick fit-in; integrate with existing suction & briquetter 快速适配、易对接

Model 型号	Type & Positioning 类型与定位	Target Scenario 适用场景	Capacity / Briquette Throughput / Baler 产能 块/打包	Key Highlights 特点
5002 (or 5001/500CC2024)	Pre-shred + baling 预破碎+打包	Pre-shred to offload main line 预破碎减载	500–600 Bale 50–75 kg 打单线) 包出块	Reduces main load & raises stability 降低主机负载、提升稳定性
YTJ-BM1 Series (300/400/500/600BM1)	Ultra-fine 1×1 mm 超微粉末级	Classified room / Military / Finance 涉密销毁室/军警金融	80–500 张/次 (按机型)	Belt-feed; handles thick bound files 输送进料、整本厚档案直入
SL500 / SL600 / SL700	Silent high-security 静音高保密	Office / Voucher Room 办公室/票据室	— —	Low noise, compact footprint 静音、小占地；建议并联小型除尘
QL300–QL600	Cost-effective line 经济型	Small / Mid volume 中小量/基层网点	— —	Budget-friendly; prefer bagging/boxing 价格友好；建议装袋/装箱更经济
PSJ300 / 350 / 500 / 468 (延伸选配)	Industrial pre-shred 工业级预破碎	Books/archives pre-shred 书本/档案预处理	100–1000+ kg/h (依配置) 可对接打包/输送	Dual-inlet, continuous duty 双入口、可 24h 连续

Case Studies 案例参考

- **People's Bank of China (PBOC)** – Provincial Destruction Centers
- **Shanghai Mint & Nanjing Mint** – Banknote printing & recycling
- **National Security Printing Plant** – Integrated shredding + briquetting
- **African & Asian Central Banks** – YD-BM3002P customized destruction line
- **Classified/confidential entity** – YD-BM6002 ultra-fine (powder-grade) shredding system.

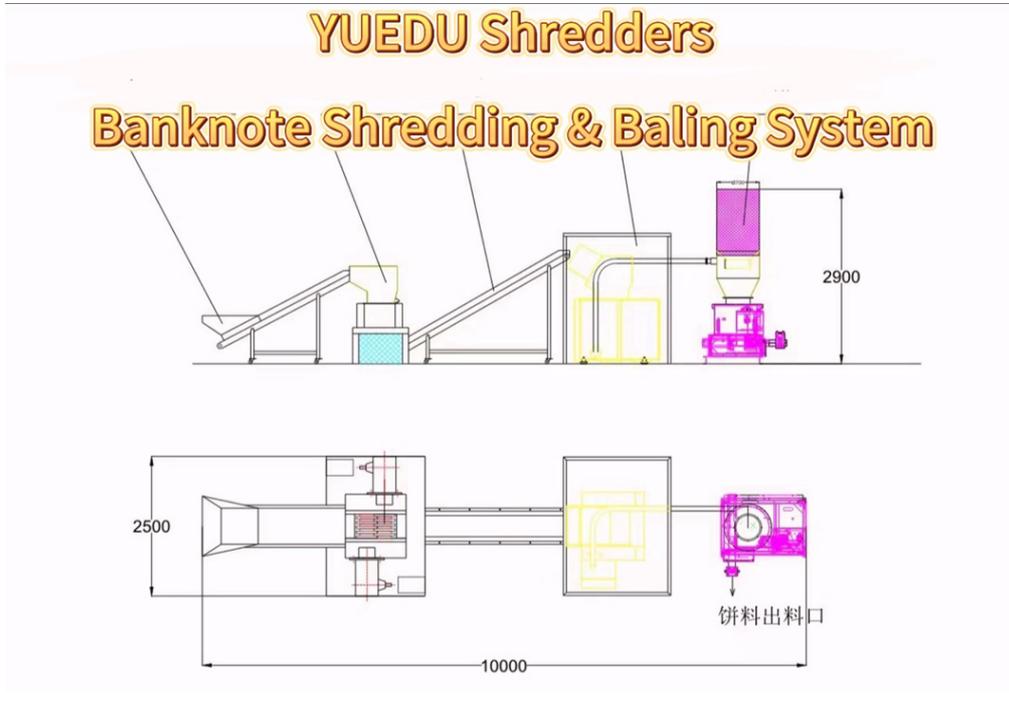
Case study • client C



Case study • client D



Case study • client E
A Central Bank in the Russian Region



Compliance & Certification 符合标准与认证

- ✓ DIN 66399 P-6 / P-7
- ✓ China National Level 1 Confidentiality Standard

符合 DIN 66399 P-6/P-7 与中国 1 级保密

Why YUEDU / 为什么选越都

- Aligned with international architectures (Standard / Modular / Tailored) covering the full process—feeding, shredding, suction, briquetting, and monitoring—while delivering **lower cost and faster lead times**.

对标国际结构（标准/模块化/定制三轨 + 进料-粉碎-抽吸-压块-监控全流程），且**成本更优、交付更快**。

- **Integrated + modular** approach: from small destruction rooms to **national cash centers**, with optional **briquetting** or **bagging** configurations.

一体化与模块化并举：小型销毁房间到国家级现金中心全覆盖，可选压块/装袋方案。

- ✓ **Proven technical capability** in multi-stage shredding systems
- ✓ **Compliance with central bank destruction standards**
- ✓ **Stable, durable, and safety-certified industrial machinery**
- ✓ **Experience integrating complete destruction lines**
(coarse shredding → fine shredding → air conveying → dust removal → briquetting)

YUEDU is fully qualified to deliver:

- **Safe**
- **Reliable**
- **International-standard**
- **Long-term maintainable**

banknote destruction systems for the Central Bank.

 **Contact Us 联系我们**

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