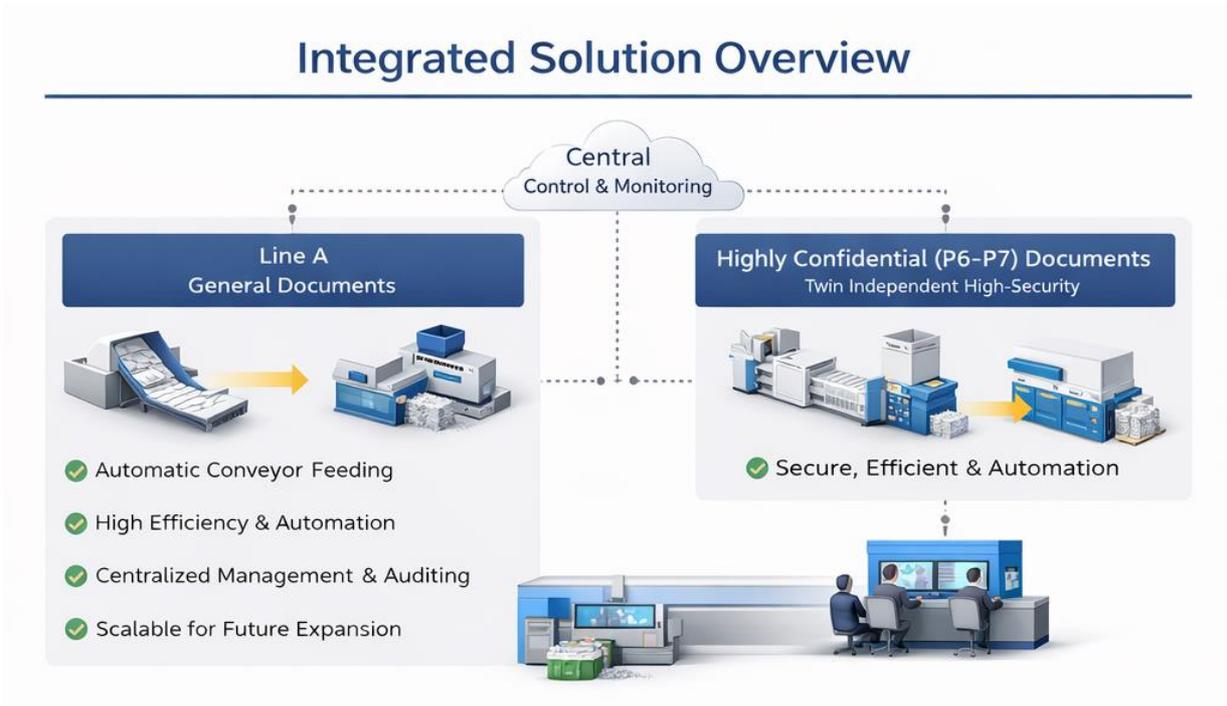


Secure Document Destruction Solution – Normal & High-Security

Integrated Shredding Lines – 2,000 Tons / Year



1. Project Overview

This project is designed for **bank-related archival document destruction**, combining **operational efficiency** and **high security compliance**.



- **Total volume: approx. 2,000 tons / year**
 - Normal documents: **1,500 tons / year**
 - High-security documents (P6-P7): **500 tons / year**
- **Operation assumption:**
 - 200 working days / year
 - 6 operating hours / day

- **Site condition:**
 - Single centralized location
 - Area ≥ 500 m², height approx. 6 m
 - **Design objective:**
 - Stable, long-term industrial operation
 - Modular & parallel production lines
 - Clear separation of security levels
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2. Overall System Concept

We recommend an **integrated solution with separated security levels and parallel production lines:**

- Normal documents and high-security documents are processed **on independent lines**
 - Multiple parallel lines ensure:
 - Operational stability
 - Maintenance flexibility
 - No single-point failure risk
 - All systems are centrally managed within one facility
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3. Line A – Normal Document Shredding (EU P2–P3)

Annual volume: approx. 1,500 tons

- Required throughput: **1.2–1.3 tons/hour**
- Configuration: **2 parallel shredding lines**

Each line includes:

- Primary shredder
 - Motor power: **15 kW**
 - Output size: approx. **20 mm**
- Secondary shredder
 - Motor power: **10 kW**
 - Security level: **EU P2–P3**
- Single-line capacity: **600–700 kg/hour**

Discharge & baling:

- Shredded paper is sent directly to the **customer's existing baler**
 - Large paper bales for easy handling and resale
 - No additional baler investment required
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4. Line B – High-Security Document Shredding (EU P6–P7)

Annual volume: approx. 500 tons

- Required throughput: approx. **400–420 kg/hour**
- Configuration: **2 parallel high-security shredding lines**

Each line includes:

- Conveyor feeding system
- Primary shredder
 - Motor power: **11 kW**
- High-security fine shredder
 - Motor power: **22 kW**
 - Output size: **1–3 mm particles**
 - Security level: **EU P6–P7**
- Single-line capacity: **150–200 kg/hour**

Final treatment:

- Shredded paper powder is processed by a **hydraulic briquetting system**
- Compressed into small cylindrical briquettes
- Ensures maximum security and reduced volume

5. Key Advantages of the Integrated Solution

- ✓ Parallel line design for **high reliability and redundancy**
- ✓ Clear separation of **normal and high-security workflows**
- ✓ Industrial-grade operation, not an oversized single machine
- ✓ Suitable for long-term operation in banking and archival environments

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