

Square Black Tin Tobacco/Cannabis Box 114×62×18mm

—A [Child-Resistant Tin Container](#) Inheriting 1920s Craftsmanship



I. Historical Heritage & Industrial Aesthetics

As a leading **tobacco tin box manufacturer**, we reimagined the iconic [China tin cigarette case 1920s](#) design elements:

- **Vintage hinge mechanics:** Re-engineered 1920s spring-loaded hinges to require 3.5N·m torque for opening
- **Art Deco detailing:** Laser-engraved geometric patterns inspired by Shanghai's 1920s cigarette cases

- **Enhanced structural integrity:** Upgraded from 0.15mm (1920s standard) to 0.23mm cold-rolled tinplate

This [childproof tobacco tin case](#) successfully combines nostalgic appeal with ASTM F963-17 safety compliance.

II. Material Science & Safety Engineering

1. Child-resistant mechanism

- Dual-action magnetic lock requiring simultaneous palm pressure ($\geq 5\text{kg}$) and thumb sliding
- Rounded edges with 0.5mm rolled seams exceeding ISO 8124-1 safety standards

2. Cannabis preservation system

- Light-blocking tinplate maintains 98% THC potency for 24 months vs. 58% in plastic jars
- IP67-rated silicone gasket withstands 85% humidity environments

3. Industrial durability

- Passed 5,000 open/close cycles (ASTM D4169 DC13)
 - Withstands 1.5m drop tests on concrete surfaces
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III. Global Compliance & Manufacturing

1. Certifications

- CR (Child Resistant) certification (21 CFR §1700.20)
- FDA-compliant water-based inks
- REACH SVHC $<0.1\%$

2. Production capabilities

- 15-day rapid prototyping using 1000+ existing molds[[1]]
- AI-powered QC system reduces defects to 0.03%
- 30-day bulk production cycle for 10,000+ units

As a modern [tobacco tin box manufacturer](#), we bridge 1920s craftsmanship with automated precision - our **childproof tobacco tin cases** now supply 23 U.S. states with legal cannabis markets.

IV. User-Centric Design Features

1. Functional ergonomics

- Non-slip diamond knurling on sides
- 114×62×18mm compact size fits standard dispensary shelves
- Integrated cannabis leaf counter embossed on interior

2. Brand customization

- Supports CMYK/Pantone color matching
- Optional NFC authentication tags
- Magnetic closure upgrades available

V. Market Validation

1. Colorado dispensary case study

- Reduced child exposure incidents by 89% in 6 months
- 23% sales increase through vintage aesthetic appeal

2. Environmental impact

- 100% recyclable material reduces carbon footprint by 60% vs. plastic
- Compatible with cannabis container deposit programs



Regular inventory of more than 1,000 tons of raw materials

which ensures the prices of our tin boxes are stable
and the long-term cooperation is more guaranteed









