

# X-60 Series

## X-Mark™ Xeptors®

Smart Multi-Coin And Multi Metal Token Acceptors



## Its Time To Stop Simply Comparing, And Actually Start Measuring Coins!

**When you really want to eliminate counterfeit, shaved, and crossplay tokens, there is no better solution than X-Mark Xeptors with X-Mark tokens!**

The X-60 X-Mark Xeptor is a high denomination smart multi-coin acceptor that can be field programmed to distinguish and accept any of up to six different coins or tokens. It is specifically designed to read the minted facets of X-Mark optically encoded tokens manufactured exclusively by our partner Osborne Coinage. Precision diameter measurement eliminates shaved coin acceptance problems. It measures metal alloy four ways on both the edge and center of the coin. Its opening coin chute will make coin jams a pain in the past. And, the built-in multi-color indicator LED provides operational status and field diagnostic information. The X-60 is the updated replacement for the older X-50 with all of the electronics integrated onto the main unit and with the firmware updated for compatibility with the latest security features and our new XactData Coin Selectors.



### Model X-60 PRODUCT FEATURES

- Reads **X-Mark**® optically encoded token codes for exceptional security.
- Reads and discriminates based on edge and center alloy composition.
- Distinguishes and accepts any of up to six different coins or tokens.
- Diameter range: 1.34" to 1.97" (34mm to 50mm).
- Built-in coin releasing hinged opening coin chute.
- Up to 10 coins per second of mixed acceptance/rejection.
- New coin types can be field programmed without extra equipment.
- Multi-color indicator LED for operational status and field diagnostics.
- Advanced serial data communications for configuration and operation.
- Optional diverter control sorts different accepted coin types in real time.
- Optional built-in credit sense optics ensure full coin drop before credit issue.
- Personality Plugs allow plug compatibility with all popular newer and older machines.
- Program coins into Xeptors at the touch of a button with the **X-60 Coin Selector**.
- Programming secured and tracked with optional **X-Key and X-Tracker** PC software.

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Patents: U.S.#6,112,876 & #5,046,841 U.K.#2,227,347 Aus.#619,639 Can.#1,313,806  
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# X-60 Technology Performs!

Its Time To Stop Simply Comparing And Actually Start Measuring Coins

## X-Mark® Optical Codes

Minted X-Mark facets form a code in the surface of the token and are read by X-Mark Xeptors to verify that the token is not just some melted lead slug or punched piece of metal having diameter and alloy the same as your token. If you want to eliminate slugs and crossplay then you need X-Mark tokens and Xeptors.



## Bi-Metal Coin Signature

The X-60's unique small geometry metal sensor coils measure both the edge and center metal signature of the coin. The large, oblong and deep-seated coils of other coin acceptors haven't a real chance of separating the signatures of edge and center alloys. Your valuable bi-metal tokens deserve X-60 security treatment.



## Diameter Measurement

Precision optical diameter measurement with 0.007" resolution allows the X-60 to eliminate the shaved coin problem that plagues simple comparators and results in tricking hopper counters to overpay customers. The solution: Just Don't Accept Shaved Coins!



## Triple Track™ Technology

Your best customer can insert 5 to 7 large tokens per second. With Triple Track Technology, the X-60 can measure, track, and properly credit as many as 3 coins simultaneously traveling through the coin chute, resulting in an unrivaled speed of over 10 coins per second. You can't beat that!



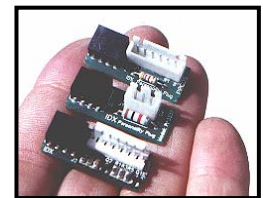
## Sophisticated Credit Optics Logic

All IDX Xeptors optionally can be ordered with built-in credit optics. The X-60's sophisticated sequencing and timing logic combine information from the numerous internal sensors to provide a complete defense against stringing, soda straw tricks, and taped coins, based on coin speed, direction and path.



## Personality Plugs™

Personality plugs adapt a single Xeptor model to any of many industry standard electrical interfaces. More than a dozen Personality Plug modules are available to ensure compatibility with machines requiring any of 24VAC, 24VDC, 12VDC, Tilt, Credit, Sense, and Inhibit signals... or custom.



## Learn'n Run™ Or Download

Manually program the X-60 by pressing buttons and dropping coins, or use an **X-60 Coin Selector** to download coin signatures at the touch of the button. In addition to being faster, the Coin Selector ensures that there is no employee coin programming error when dozens of units must be programmed.



## X-Key Security

IDX Xeptors can be manually programmed in the field for the coins they are to accept. When programmed with the X-Key attached, the Xeptor thereafter secures itself so that manual programming can no longer be done unless the X-Key is again attached. This provides access control security.



## Full-Open Coin Release

Stop digging bent coins out of comparators with screwdrivers that just rip them up. Even those half-flap acceptors require the screwdriver treatment now and then. Only Xeptors are designed to fully open on your command.



## Auto-Tune™ Technology

Mr. Xeptor never sleeps on the job. When no coins are coming through, he is busy re-calibrating the nine optical sensors and two inductive sensors. He also tracks long term coin data averages so acceptance windows for coins stay centered and perfectly tuned.

