

# X-20 Series X-Metal Xeptors®



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

X-Metal Xeptors set new world-class performance standards in both acceptance security and acceptance rates. Advanced sensor design provides distinct and separate readings for both the edge and center alloys of bi-metal coins, such as the Canadian \$2 coin, and further provides distinctive readings for the clad and plated alloy layering of US, Canadian, and Euro coins. Fast-fed coins will never be a problem with these Xeptors. Lab tests show they can properly sense and credit a stream of US Nickels at rates over 25 coins per second, and can properly reject a bad coin among them at a rate of 20 coins per second. Precision diameter measurement totally eliminates the shaved coin acceptance problem. Our unique Personality Plug adapter modules flexibly allow one coin acceptor model to be plug-compatible with all prevalent newer and older machines. And, coin programming has never been easier... just push the button on a Coin Selector and download perfect coin signatures instantly.



### **Models X-20, X-21 & X-22 PRODUCT FEATURES**

- Eliminates coin shaving by measuring coin diameter to +/- .005" typ.
- Reads and discriminates metal based on edge, center, and clad alloy composition.
- X-20 diameter range: 0.65" to 1.110" (16mm to 28mm), no adjustments.
- X-21 diameter range: 0.80" to 1.255" (20mm to 31mm), no adjustments.
- X-22 diameter range: 1.00" to 1.470" (25mm to 37mm), no adjustments.
- Distinguishes and accepts any of up to six different coins or tokens.
- Up to 20 coins per second of mixed acceptance/rejection.
- Built-in coin release with hinged door opening coin chute.
- Slide on water resistant access covers with no screws to lose.
- 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 Plug connector modules flexibly allow one coin acceptor model to have plug compatibility with all popular newer and older machines.
- Program coins into Xeptors at the touch of a button with X-20, X-21 or X-22 Coin Selectors.
- Programming secured and tracked with optional X-Key and X-Tracker PC software.

# X-Metal™ Technology Performs!

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## Bi-Metal Coin Signature

The X-20 has unique small geometry metal sensor coils that measure the signature of the coin on both the edge and the center of the coin. The large, oblong and deep-seated coils of other acceptors haven't a real chance of separating the signatures of edge and center alloys.



## Clad Coin Signature

The X-20 uses advanced multi-frequency sensing techniques to resolve separate layer signatures from clad or plated coins, such as the nickel clad copper construction of the US 50¢ in the picture. Most currency produced today for US, Canadian and the new Euro coins is clad or plated, and is a vital security feature.



## Diameter Measurement

Precision optical diameter measurement with 0.005" resolution allows the X-20 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 10 to 15 coins per second. With Triple Track Technology, the X-20 can measure, track, and properly credit as many as 3 coins simultaneously traveling down the coin chute, resulting in an unrivaled speed of over 20 coins per second. You can't beat that!



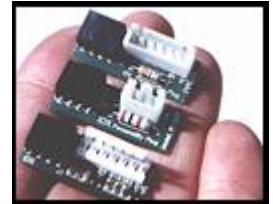
## Sophisticated Credit Optics Logic

All IDX Xeptors optionally can be ordered with built-in credit optics. The X-20's sophisticated sequencing and timing logic combine information from the credit sensors and other 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-20 by pressing buttons and dropping coins, or just use a Coin Selector to download coin signatures at the touch of the button. The X-20 Coin Selector can optionally secure the Xeptor from manual programming if it is not present.



## Spill Proof Construction

Xeptors are the only coin acceptors designed to shed spilled liquid. No exposed card edges, no gaping holes for wires and pots. We just keep all of that sticky conductive liquid out.



## 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.

