

045HD PERFORMANCE SERIES MANUAL OPERATION



- Motor: 110V standard 1/4HP @ 1725 rpm
- Vise Jaws: Super Jaw 3, four-position; wide spacing between vise jaws; accommodates new, longer keys
- Four-way reversible vise jaws securely clamp residential, padlock, and automotive keys without adapters, including double-sided types
- Cutter: P-X23MC
- Weight: 26.1 lbs
- Dial type depth adjustment system
- Ideal for mobile use; efficient 1/4 Hp motor will operate with most inverters and generators
- Cutter is made of high speed tool steel, coated with titanium nitride for longer cutting life
- Built-in circuit breaker protection

MFG #	EZ #
045HD110VAC	101742

046HD PERFORMANCE SERIES MANUAL OPERATION FLAT STYLE KEYS



- Super Jaw 3, “secure grip”, four-position vise jaws; securely clamp flat keys without the need for adapters
- Permanently lubricated cutter spindle shaft ball bearings normally found on more expensive models
- Hardened carriage shaft and cutter spindle provide extended service life
- Wide spacing between vise jaws; accommodates longer key types
- Dial type depth adjustment system greatly simplifies calibration and improves accuracy
- Ideal for shop or mobile use; efficient 1/4 hp motor
- Special depth limit device guards against cutter contact with vise jaws
- “Soft-touch” deburring brush
- Cutter: P-45SMS high speed tool steel, coated with titanium nitride for longer cutting life
- Built in circuit breaker protection

MFG #	EZ #
046HD110VAC	102160

057HS HIGH SECURITY AUTOMOTIVE MANUAL KEY DUPLICATOR



- Duplicates internal and external track, “laser”, “sidewinder” style high security automotive keys (includes 2-track and 4-track versions)
- 3-axis movement enhances ease-of-use and provides greater accuracy
- Right-handed traverse lever for smoother operation
- Quick cutter change and a simple calibration procedure
- Replaceable vise jaw surface plates provides an economical repair (normal wear) solution
- Includes five Honda H001-SVC and one template key for operator practice
- Expand capabilities with the optional cutter and accessories

MFG #	EZ #
057HS	104678

BRAVO III WITH EZ-JAW™ SEMI-AUTOMATIC (LEVER) OPERATION



- Motor: 110V standard; 1/4 Hp capacitor start
- Vise Jaws: Four position EZ-Jaw™
- Cutter: CU50A milling cutter, flat left side, cobalt steel ensures a smooth, clean, accurate cut every time
- Dimensions: 15"W x 20" D x 10" H
- Weight: 47 lbs
- Carriage is spring loaded, provides consistent cutting pressure, and reduces potential for miscuts
- Automatic cutter start feature controlled by micro-switch, that is activated by raising or lowering the carriage
- Precise adjustments. A tracer point with micrometer regulation that makes it quick and easy to adjust depth of cut
- Carriage release button can only be activated when the key gauges are in the down position
- Two carriage shafts ensure sensitivity and precision in the cutting movement

MFG #	EZ #
BRAVO III	084802

EZ™ CODE ELECTRONIC CODE MACHINE & DUPLICATOR - CYLINDER/AUTOMOTIVE KEYS



- 2-position Vise Jaw securely grips keys
- Patent pending "Automatic Edge Detection" compensates for slight taper due to "clamping errors"
- The internal database contains manufacturer specifications for hundreds of commercial and automotive applications plus over 200 popular indirect code series
- "Design-A-Key" feature allows the operator to input and store customized data to cut newly released keys
- Dependable accuracy with X-Y tolerances within +/- .002"
- Automatic depth calibration eliminates potential errors related to manual techniques
- Expanded indirect automotive code capability is available by connecting to a PC loaded with the optional Create-A-Key® Code Software
- Cutter: AT-U01 aluminum titanium nitride coated HSS (ideal for cutting hard material in a dry environment)
- Precision ball bearing cutter spindle system for minimal vibration and maintenance
- Size: 10.5" W x 19.5" D x 9" H (14" with shield raised)
- Weight: 52 lbs

MFG #	EZ #
EZ CODE	100504

MATRIX S HIGH SECURITY MANUAL KEY DUPLICATOR



- Duplicates sidewinder/laser and simple dimple style keys.
- Precision, "Sure Grip" vise jaws feature replaceable clamping surfaces
- Electronic adjustment feature eliminates the guesswork; machine calibration is a snap
- Roller bearing equipped carriage design will virtually eliminate vibration when cutting keys
- Built-in light illuminates cutting area of machine
- Ergonomic design requires minimal effort to operate
- Built-in compartment for organized accessory storage
- Included cutters and cutter guides allow for duplicating a broad range of automotive keys (internal and external laser track) and various commercial dimple types.
- Expand capabilities with the optional cutters and accessories

MFG #	EZ #
MATRIX S	052038

TRI CODE HS ELECTRONIC HIGH SECURITY CODE MACHINE



- No set-up or initial calibration required; fully equipped and ready to cut keys once you remove it from the box
- Microprocessor controlled cutting operation, utilizing a precision x-y stepper motor carriage transport mechanism
- Extensive "on-board" database contains cut specifications for dozens of sidewinder/laser style automotive key systems and also includes indirect codes for most major automotive brands using sidewinder/laser style keys
- Versatile three-position vise clamp (optional vises are not required)
- Only one cutter required to support all applications
- Simple to follow menus with easy view LCD display and generous size keypad for easy operation
- Built-in light illuminates cutting area
- Protective safety shield

MFG #	EZ #
TRI-CODE HS	087887

UNIVERSAL II "CARD TYPE" MECHANICAL CODE MACHINE



The ultimate "Card Type" mechanical code machine for originating commercial/residential and automotive keys!

Loaded with many exclusive "performance features", the Universal II is a cut above competitive products!

- Code Cards and Cutters are interchangeable between the Ilco Universal II and competitive card type code machines
- Supplied with 2 cutters and 120 code cards, providing great versatility right out of the box
- Utilizes code cards, allowing the operator to change the machine setup quickly from one application to another, and add new applications at minimal cost
- Exclusive Easy-View code cards enhance cutting accuracy and speed Dial type depth adjustment system for precise calibration of cutting depth
- "Flapper" style key alignment gage ensures accurate, level key blank placement
- Quick rate depth and spacing drive shafts speed up the key cutting process
- Titanium Nitride coated cutters for long cutting life
- "Soft Touch" nylon deburring brush

MFG #	EZ #
UNIVERSAL II	080888

KEY MACHINE CUTTERS & ACCESSORIES

MFG #	TYPE	MATERIAL	DIAMETER	THICKNESS	HOLE	USED FOR	EZ #
3S	Slotter	TS	2-1/2"	.040"	3/8"	DL125, 125A, 126, 126M	035663
4S	Slotter	TS	2-1/2"	.040"	1/2"	DL136, 137D, 146, 146D	035664
10MC	Milling Cutter	HSS	2-3/4"	.280"	7/8"	DL125A, 130AM, 132AM	003244
11MC	Milling Cutter	TS	2-1/4"	.290"	1/2"	024, DL144M	007013
23RF	Rotary File	CS	2-1/4"	.250"	1/2"	008, 2184CD, H2584CV, 2585DU	007297
X23MC	Milling Cutter	TNC	2-3/8"	.093"	1/2"	025, 023, 045	035667
34MC	Milling Cutter	TS	2-1/4"	.250"	1/2"	2585DU, H2584CV, 2184CD	007309
SMS45	Side Milling Slotter	HSS	2-3/8"	.045"	1/2"	026, H2584/5SMS, 2184CD, 2584CV	006270
CU50A	Milling Cutter	C	3.15"	.197"	.630"	KD50A, KD71A	035666
D301840ZZ	Nylon Brush	Tynex® Nylon	3.25"	—	7/16"	Bravo II, Bravo USA	038419
814 00 51	Nylon Brush	Nylon	3"	—	9/16"	Ilco & Old Dominion Key Machines; 044, 045, 046 & Etc	007415

HSS - HIGH SPEED STEEL TS - TUNGSTEN STEEL CS - CARBON STEEL TNC - TITANIUM NITRIDE COATED C- COBALT