

ilco®

Key Cutting Machines & Engraving Equipment



AVAILABLE THROUGH

GRAINGER®
FOR THE ONES WHO GET IT DONE



ilco
AMERICAN MADE KEYS

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Flash 008 Manual Operation

**Grainger Part #
52HN54**

Lightweight, compact and portable, the Flash 008 is an ideal choice for on-site, mobile jobs or counter tops where space may be limited.

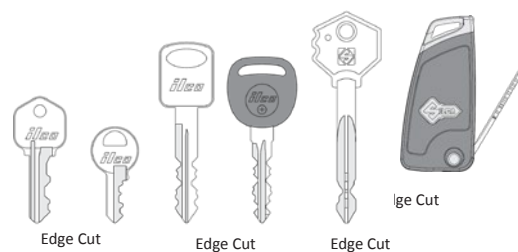
This manually operated duplicator is designed to cut cylinder, cruciform, large bow and long blade keys.

- Rotating four sided, nickel plated jaws for clamping most edge cut type keys
- Slotted jaw surfaces accommodate tip stop bars
- Rigid shoulder gauge design
- Wide 3 1/2" (88.9 mm) spacing between clamps accommodate large bow (head) and long blade keys, including flip style keys
- Depth tracer system with micro adjustment for precise calibration
- Counter mounting bracket included
- Optional Conversion Kit available for flat style keys (safe, safety deposit, mail box); includes cutter and tracer

Technical Data

Power Supply:	120V-60Hz, Rated Current 1.3 Amps
Motor:	.032 HP, single phase, 4000 rpm
Cutter:	BC0600XXXX ALTiN coated HSS
Cutter Guide:	BJ1179XXXX
Brush:	BJ1184XXXX 3/8" (10 mm) Nylon

EDGE CUT KEYS



Flat Style Keys
with Optional Conversion Kit



4-sided nickel
plated jaws

Dimensions:

Width: 12.2" (310 mm)

Depth: 9.5" (240 mm)

Height: 8.7" (200 mm)

Weight: 14 lbs. (6.4 kg)



EDGE CUT KEYS



■ Speed 045 Manual Operation

**Grainger Part #
52HN53**

Speed 045 is an ideal basic duplicator that is designed with features that any user will readily appreciate. The open style, safety details and operational features make this model a choice model for store or shop. The included mounting bracket makes it an excellent choice for mobile use.

- Rotating, four sided, nickel plated jaws for clamping most edge cut type keys
- Slotted jaw surfaces accommodate tip stop bars
- Rigid shoulder gauge
- Wide 3 1/2" (88.9 mm) spacing between clamps accommodate large bow (head) and long blade keys, including flip style keys
- Depth tracer system with micro adjustment for precise calibration in increments of 00098" (0.025mm)
- Electro-magnetic "main" safety switch with a separate cutter motor switch for easy access.
- Large transparent cutter safety shield with storage area for accessories
- Large drawer-type swarf (chip) tray under the carriage for easy access
- Counter mounting bracket included



Technical Data

Power Supply:	120V-60Hz, Rated Current 4.1 Amps
Motor:	.35 HP, single phase, 1650 rpm
Cutter:	BC0599XXXX TiN coated HSS
Cutter Guide:	BJ1161XXXX
Brush:	BJ0929XXXX 3/8" (10 mm) Nylon

Dimensions:

Width:	15.75" (400 mm)
Depth:	18.1" (460 mm)
Height:	9.8" (250 mm)
Weight:	31 lbs. (14 kg)



EDGE CUT KEYS

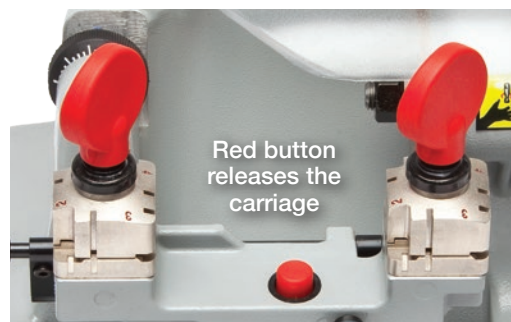


■ Speed 044 Lever Operation (Semi-Automatic)

**Grainger Part #
52HN52**

The spring-loaded carriage on Speed 044 is engaged by the press of a button. The lever is then moved manually to control the carriage movement during the cutting cycle.

- The spring loaded carriage applies consistent cutting pressure
- Rotating, four sided, nickel plated jaws for clamping most edge cut type keys
- Slotted jaw surfaces accommodate tip stop bars
- Wide 3 1/2" (88.9 mm) spacing between clamps accommodate large bow (head) and long blade keys, including flip style keys
- Depth tracer system with micro adjustment for precise calibration in increments of 00098" (0.025mm)
- Electro-magnetic "main" safety switch with a separate cutter motor switch for easy access.
- Large transparent cutter safety shield with storage area for accessories
- Large drawer-type swarf (chip) tray under the carriage for easy access
- Counter mounting bracket included



Technical Data

Power Supply:	120V-60Hz, Rated Current 4.1 Amps
Motor:	.35 HP, single phase, 1650 rpm
Cutter:	BC0599XXXX TiN coated HSS
Cutter Guide:	BJ1161XXXX
Brush:	BJ0929XXXX 3/8" (10 mm) Nylon

Dimensions:

Width:	22.8" (580 mm)
Depth:	18.1" (460 mm)
Height:	9.8" (250 mm)
Weight:	31 lbs. (14 kg)



EDGE CUT KEYS

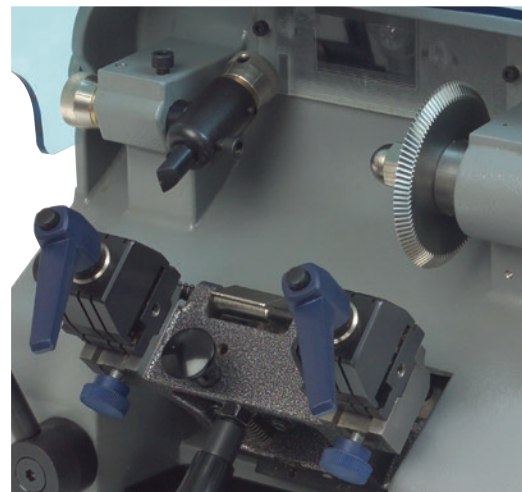


KD50C Lever Operation (Semi-Automatic)

Grainger Part #
45NA52

An operator's "dream machine", the KD50C is superbly engineered with numerous features to deliver quick results with exceptional precision and accuracy.

- Spring loaded carriage provides consistent cutting
- Rotating two-position vise jaws are designed to securely grip virtually any cylinder keys including double sided "thin blades"
- Key gauge automatically releases as the carriage is raised
- Wide spacing between clamps accommodates large bow (head) and long blade keys, including flip style keys
- Micrometer regulation knobs for depth and spacing adjustments
- Heavy-duty construction reduces vibration and noise



Technical Data

Power Supply:	120V-60Hz, Rated Current 3.5 Amps
Motor:	.25 HP, single phase, 1680 rpm
Cutter:	BC0123XXXX Cobalt Steel
Cutter Guide:	BD0332XXXX
Brush:	BJ1211XXXX 5/8" (15.87 mm) Nylon

Dimensions:

Width:	14" (360 mm)
Depth:	17 1/2" (490 mm)
Height:	11 1/2" (290 mm)
Weight:	61 lbs. (27.7 kg)



EDGE CUT KEYS

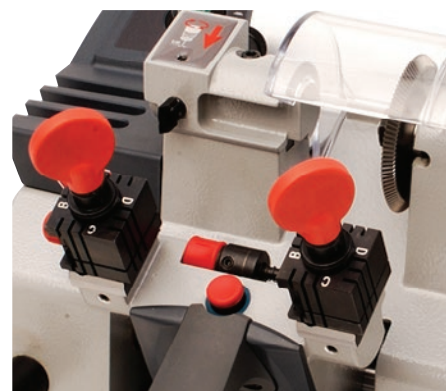


■ Bravo III with EZ-Jaw® Lever Operation (Semi-Automatic)

**Grainger Part #
1GBB2**

The Bravo III is a high precision, heavy duty semi-automatic key machine designed for ultra-reliability and ease of use.

- Spring Loaded carriage provides consistent cutting pressure
- Versatile four-position EZ-Jaw® rotates without lifting to secure all types of edge cut keys without adapters
- Wide spacing between clamps accommodates large bow (head) and long blade keys, including flip style keys
- Micrometer regulation dial depth adjustment
- Bright built-in light illuminates working area
- On/Off switch and deburring brush button conveniently located on the left side for safe and easy access



Technical Data

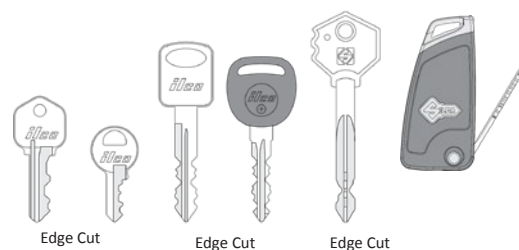
Power Supply:	120V-60Hz, Rated Current 5.5 Amps
Motor:	.25 HP, single phase, 1680 rpm
Cutter:	BC0505XXXX Cobalt Steel
Cutter Guide:	BJ0853XXXX
Brush:	BJ0855XXXX 5/8" (15.87 mm) Nylon

Dimensions:

Width:	15" (380 mm)
Depth:	20" (510 mm)
Height:	10" (254 mm)
Weight:	47 lbs. (21.4kg)



EDGE CUT KEYS

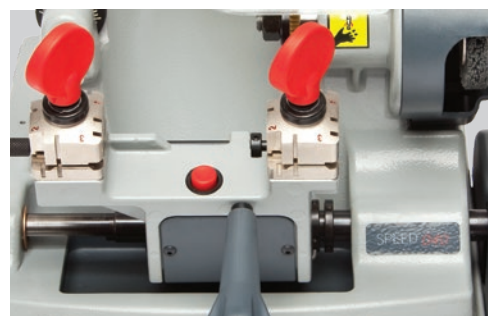


Speed 040 Automatic / Manual Operation

**Grainger Part #
52HN51**

The Speed 040 is primarily an automatic model with the flexibility to be operated manually.

- Spring-loaded carriage applies consistent cutting pressure in automatic mode
- Rotating, four sided, nickel plated jaws for clamping most edge cut type keys
- Slotted jaw surfaces accommodate tip stop bars
- Wide 3 1/2" (88.9 mm) spacing between clamps accommodates large bow (head) and long blade keys, including flip style keys
- Depth tracer system with micro adjustment for precise calibration in increments of .00098" (0.025mm)
- Electro-magnetic "main" safety switch with a separate cutter motor switch for easy access.
- Large transparent cutter safety shield with storage area for accessories
- Large drawer-type swarf (chip) tray under the carriage for easy access
- Counter mounting bracket included



Technical Data

Power Supply:	120V-60Hz, Rated Current 4.1 Amps
Motor:	.35 HP, single phase, 1650 rpm
Cutter:	BC0599XXXX TiN coated HSS
Cutter Guide:	BJ1161XXXX
Brush:	BJ0929XXXX 3/8" (10 mm) Nylon

Dimensions:

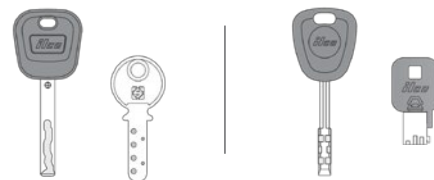
Width:	19.3" (490 mm)
Depth:	18.1" (460 mm)
Height:	11.8" (300 mm)
Weight:	44 lbs. (20kg)

**Grainger Part #
46AX43**

Twister II Manual Operation



LASER / DIMPLE KEYS

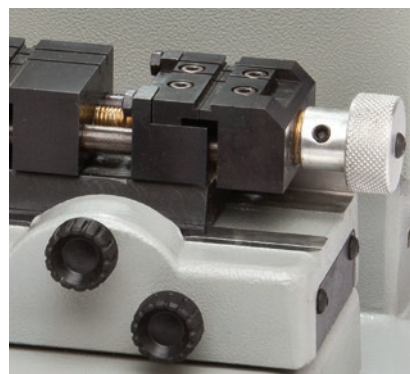


Tibbe® and Tubular
with optional accessories

Twister II provides convenience, accuracy and precision at a modest price point and allows for expansion of capabilities with the optional accessories.

Lightweight, compact design with a small footprint makes this duplicator a perfect choice for mobile applications. The lockable carriage prevents movement during transport.

- Two axis movement on ball guides for smooth, easy operation
- Spring loaded tracer point guides and facilitates self-centering of cuts on dimple keys
- Wide transparent safety shield
- Tracer point adjustment for depth alignment and provides for adjustment of worn keys
- Replaceable jaw surface plates for quick economical repair
- Laser and dimple cutters and tracers included
- LED light illuminates working area
- Master safety switch with separate cutter motor switch
- Optional cutters, tracers, and accessories expand capabilities



Technical Data

Power Supply: 120V-50/60Hz, Rated Current 1.8 Amps

Motor: .25 HP, single phase, 8000 rpm

Cutters: Laser - BC0593XXXX HSS
Dimple - BC0592XXXX HSS

Tracers: Laser - BJ1094XXXX
Dimple - BJ1095XXXX

Dimensions:

Width: 14.6" (370 mm)

Depth: 9.8" (250 mm)

Height: 14.6" (370 mm)

Weight: 53 lbs. (24 kg)



LASER KEYS



Tibbe® with optional accessories

Matrix II Manual Operation

Matrix II is a premium duplicator that includes LED lighting and electromechanical calibration. Rugged construction combined with many user preferred features make this model a professionals choice for high security key duplication.

- Spring-loaded table applies steady cutting pressure
- Electromechanical calibration; green light and audible alert indicate completed calibration
- Separate push button micro-switch to activate cutter
- Z-axis lever controlled cutter motor for added safety
- High Speed Steel (HSS) cutters and tracers have colored plastic collars for easy identification
- Replaceable jaw surface plates provide for an economical repair
- Convenient, manual power switch for LED light above work area
- Wide transparent safety shield
- Convenient built-in tray on hood plus a tool and accessory storage drawer
- Optional accessories available to expand capabilities



Technical Data

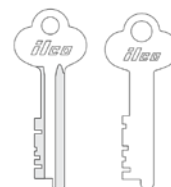
Power Supply:	100V/120V-50/60Hz, Rated Current 1.8 Amps
Motor:	.13 HP, single phase, 8000 rpm
Cutter:	BC0591XXXX HSS
Tracer:	BJ1129XXXX

Dimensions:

Width:	12.2" (310 mm), 15.75" (400 mm) including side lever
Depth:	15.75" (400 mm)
Height:	18.5" (470 mm)
Weight:	54.23 lbs. (24.6 kg)



FLAT STYLE KEYS Safe / Safe Deposit / Mailbox

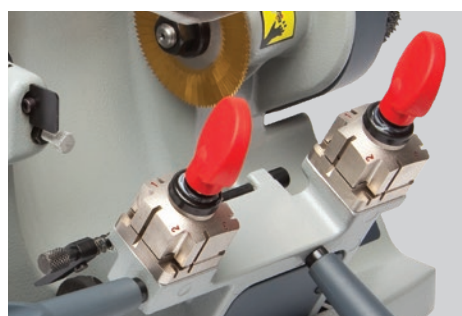


■ Speed 046

Manual Operation – Flat Keys

The Speed 046 provides an economical and accurate manual cutting solution for duplication of flat type keys such as Safe, Safe Deposit and Mailbox keys. With the mounting bracket included; this is also an excellent choice for mobile use.

- Rotating, four sided, nickel plated jaws for clamping most flat style keys
- Slotted jaw surfaces accommodate tip stop bars
- Rigid shoulder gauge
- Wide 3 1/2" (88.9 mm) spacing between clamps accommodates large bow (head) and long blade keys
- Depth tracer system with micro adjustment for precise calibration in of 00098" (0.025mm)
- Electro-magnetic "main" safety switch with a separate cutter motor switch for easy access
- Large transparent cutter safety shield with storage area for accessories
- Large drawer-type swarf (chip) tray under the carriage for easy access
- Counter mounting bracket included

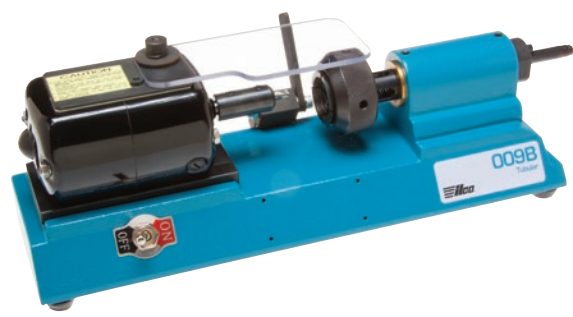


Technical Data

Power Supply:	120V-60Hz, Rated Current 4.1 Amps
Motor:	.35 HP, single phase, 1650 rpm
Cutter:	BC0598XXXX TiN coated HSS
Cutter:	BJ1154XXXX
Brush:	BJ0929XXXX 3/8" (10 mm) Nylon

Dimensions:

Width:	15.75" (400 mm)
Depth:	18.1" (460 mm)
Height:	9.8" (250 mm)
Weight:	31 lbs. (14 kg)



TUBULAR KEYS



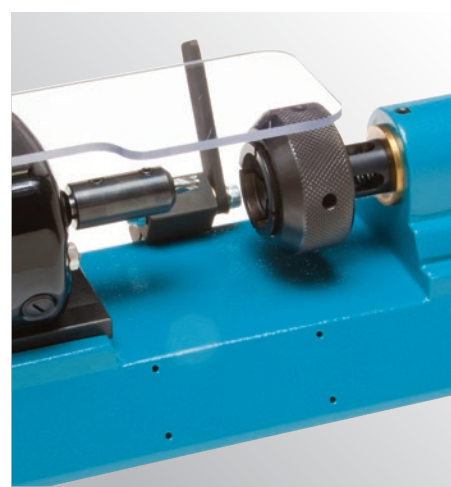
009B
Manual Operation – Tubular Keys

The 009B is an economical solution for duplicating standard tubular keys and with the popularity of tubular applications, makes the perfect addition to any key cutting services.

Simple to operate and the unique key positioning device to assure quick, accurate gauging of the tubular key blank.

- Designed to duplicate “mid size” 7 and 8 cut* tubular keys
- Transparent cover offers protection and clear visibility during the cutting process
- Durable high torque motor
- Solidly constructed for lasting performance

**Not intended for cutting steel key blanks*



Technical Data

Power Supply:	110V-60Hz, Rated Current .2 Amps
Motor:	.081 HP, single phase, 7450 rpm
Cutter:	BC0506XXXX HSS
Cutter Guide:	BD0703XXXX

Dimensions:

Width:	14" (356 mm)
Depth:	4.25" (108 mm)
Height:	4.25" (108mm)
Weight:	8 lbs. (3.62kg)



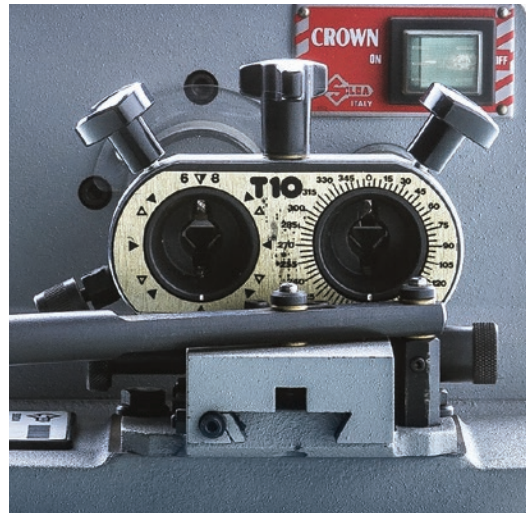
TUBULAR KEYS



Crown™ Lever Operation – Tubular Keys

The Crown is designed to provide versatility and engineered for precision and accuracy in duplicating standard and various specialized tubular keys. Simple lever-controlled cutting requires minimal effort and assures a smooth feed of the key blank against the cutter. Features include self-centering clamps and automatic synchronization of key and key blank rotation.

- Self-centering vise jaw design automatically centers tubular keys without shims or adapters
- Vise jaw securely grips three standard size tubular keys (.365", .377", and .399")
- Micrometric vise positioning for duplication of “step cut” or “cut within a cut”
- T10 vise clamp set rotates a full 360°, allowing for virtually any tubular key spacing configuration (7 cut, 8 cut, etc)
- Vise clamps may be indexed to predetermined positions, controlling the location of cuts around the barrel of the key, or may be freely rotated
- Optional accessories available for Chicago®, Ace®, and “mini size” switch keys



Technical Data

Power Supply:	110V-60Hz, Rated Current 2.3 Amps
Motor:	.12 HP, single phase, 3450 rpm
Cutter:	BC0495XXXX HSS
Cutter Guide:	BJ0477XXXX

Dimensions:

Width:	9" (230 mm)
Depth:	18" (450 mm)
Height:	7" (180 mm)
Weight:	37.5 lbs. (17kg)



TIBBE® KEYS



■ Delta FO

Code Cutting - 4-sided Automotive Keys

The Delta FO cuts by code the unique angles found on the 4-sided keys for Tibbe® locks, as used on some Jaguar® and Ford® models.

Compact and lightweight; Delta FO is also suitable for mobile application.

- Vise jaws securely clamp the uniquely shaped 6-space and 8-space Tibbe® keys
- Simple spacing mechanism assures accurate results for both 6-space and 8-space keys
- Dial type depth adjustment
- Direct drive cutter system eliminates v-belt and pulley maintenance
- Cobalt steel cutter

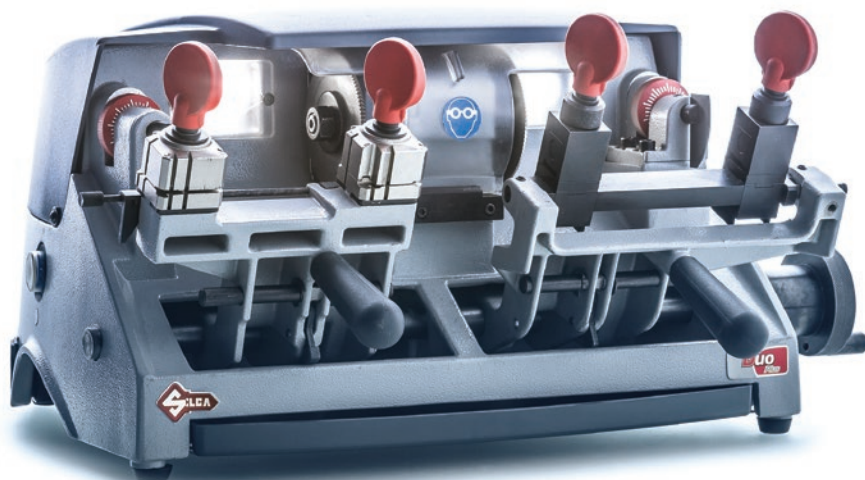


Technical Data

Power Supply:	110V-60Hz, Rated Current 1.5 Amps
Motor:	.19 HP, single phase, 1620 rpm
Cutter:	BC0056XXXX HSS
Cutter Guide:	BJ0901XXXX

Dimensions:

Width:	14.6" (370 mm)
Depth:	8.3" (210 mm)
Height:	9.8" (250 mm)
Weight:	31 lbs. (14 kg)



MULTI-FUNCTION



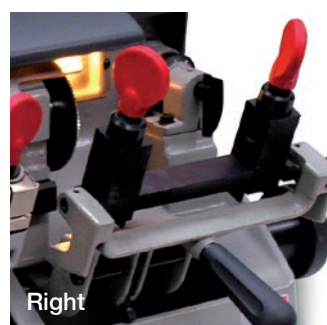
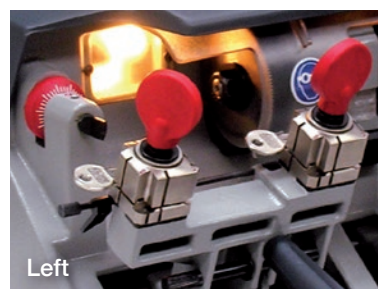
■ Duo Plus

Manual Operation – Edge, Bit, Flat, Abus® and Abloy® Keys

**Grainger Part #
462F14**

Duo Plus is an innovative, dual carriage machine that cuts cylinder, vehicle and cruciform keys (left-hand carriage) as well as bit, double bit, flat style (safe, safety deposit, mailbox) and special keys such as Abus® and Abloy® type keys (right-hand carriage).

- The tilting mechanism makes it possible to make excellent flares on bit and double bit keys
- Innovative carriage release system for free-moving or regulated carriage
- Four-sided revolving clamps on the left side for edge cut style
- Two/three sided revolving clamps on the right for Abus® and Abloy® type keys.
- Cut-out switch that triggers automatically should power fail
- LED lighting illuminates work area
- Large swarf tray



Technical Data

Power Supply:	120V-60Hz, Rated Current 2.7 Amps
Motor:	.25HP, single phase, 1700 rpm
Cutter:	BC0605XXXX / BC0606XXXX both are HSS
Cutter Guide:	BJ0928XXXX / BJ1229XXXX
Brush:	BJ0929XXXX 3/8" (10 mm) Nylon

Dimensions:

Width:	20.1" (510 mm)
Depth:	17.7" (450 mm)
Height:	11" (280 mm)
Weight:	50.7 lbs. (23kg)



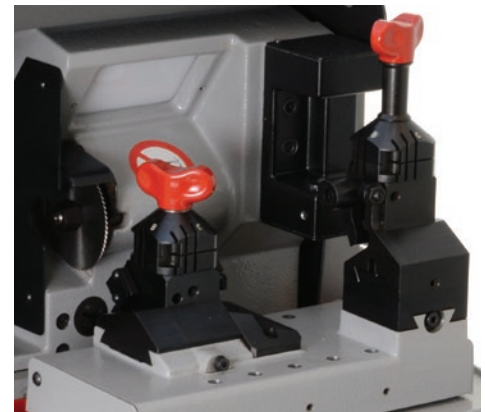
■ UC199 Electronic

The UC199 is a high precision electronic key cutting machine for single and double sided edge cut keys and cruciform keys. The UC199 combines precision and ease of use as well as high quality results due to its innovative functions and laser technology.

In stand-alone mode, UC199 performs quality key duplication from an original key including ability to adjust cuts for worn keys. Originate keys by code via PC with software program included.

- Rotating four-position clamps accommodates a variety of edge cut keys
- Copy from original via the precise, electronic optical reader
- Semi-automatic gauging function for both standard and automatic clamp.
- Operates Stand-Alone or via PC
- Communication with Ilco Kreate-A-Key™ and SKP (Silca Code Program)
- 1 Yr. subscription for Ilco Kreate-A-Key™ SW included
- Fast key cutting cycle
- Optional automatic key feeder; compressed air not required

EDGE CUT KEYS



Technical Data

Power Supply:	120V-60Hz, Rated Current 3.9 Amps
Motor:	.24 HP, single phase, 2530 rpm
Cutter:	D734910ZB U01W Carbide

Dimensions:

Width:	15.6" (396 mm) With optional box 18" (458 mm)
Depth:	21.4" (543 mm)
Height:	15.2" (386 mm)

Weight: 94.8 lbs. (43 kg), 110.2 lbs (50 kg with optional feeder)



EDGE CUT KEYS



Abloy, Abus and Tibbe®
with optional accessories

■ UnoCode 299 Electronic (Special Order – 230V Only)

The UnoCode 299 is an innovative electronic key cutting machine for code cutting of flat cylinder keys, vehicle keys and cruciform keys. Optional accessories add capability to cut Abloy®, Abus®, Assa®, Tibbe® and others. Designed to work either Stand-alone (on-board database) or with a PC.

- Automatic depth calibration by means of electrical contact regardless of clamp side that is used.
- Smooth Carriage movement with axes tolerance +/-0.03mm
- Stand-alone mode with over 2,000 data cards for code cutting
- Connect via PC to the key program to expand functionality
- Software is designed to receive customized configurations of data cards and tables selected by indirect code searches
- Database update via PC and serial port
- Optional Automatic Key Feeder (requires “dry” air supply)
- Optional accessories available (refer to Specialist Guide)

Technical Data

Power Supply:	230V-50Hz, Rated Current 2 Amp
Motor:	.24 HP, single phase, 1150 rpm (1830 rpm w/pulleys inverted)
Cutter:	D716549ZB U01 HSS (Carbide optional)

Dimensions:

Width:	19.7" (500 mm)
Depth:	19.7" (500 mm)
Height:	16.5" (420mm)
Weight:	95.9 lbs. (43.5kg)



EDGE CUT KEYS



■ Unocode 399 Plus Electronic (Special Order – 230V Only)

The Unocode 399 Plus is a compact, high volume cutting machine designed specifically for locksmiths duplicating large quantities of edge cut cylinder keys. Its spacious working area allows for easy installation of optional accessories.

- Four-sided, nickel plated clamp with quick-release system for easier rotation
- Key cutting by direct code (Stand-alone / PC mode)
- Key cutting by indirect code (PC Mode)
- Code Maker available in Stand-alone and PC mode (data card creation/editing)
- Copy and manually adjust data cards
- Manage job queues
- Create customized archives and favorite card lists
- Database with all Silca data cards
- Optional accessories include automatic feeder, stacker, and sorter set to orderly manage the output of keys. Feeder plates specific to each different key head, vacuum system, and rotating clamp for third axis or angled cuts.



Technical Data

Power Supply:	230V-50Hz, Rated Current 1.1 Amp
Motor:	.32 HP, single phase, 1700 rpm
Cutter:	D734910ZB U01W Carbide

Dimensions:

Width:	19.7" (500 mm)
Depth:	27.6" (700 mm)
Height:	27.6" (700 mm)
Weight:	112.4 lbs. (51 kg)



EDGE CUT KEYS



■ Unocode Pro

Electronic (Special Order – 230V Only)

Designed for the experienced security professional, Unocode Pro is the top electronic key cutting machine for decoding and cutting either by code or from original edge cut cylinder, vehicle keys and cruciform keys.

- Four-position, nickel plated clamps
- Faster cutting cycle – new pulley ratios deliver more torque to the cutter
- Fast carriage movements reduce cycle time
- Adjustable cutting speed; select the cutting card to modify cutting speed by 30%
- Reinforced construction reduces vibrations
- Convenient accessory tray on hood of machine
- User-friendly software interface, USB and RS232 port for external connectivity.
- 2.7" (68.6 mm) color display
- Works in stand-alone mode or PC mode
- Maintains a running total of keys cut with each individual cutter
- Advises operator on cutter selection and when cutter may need replacement
- Optional automatic feeder and rotating clamp



Technical Data

Power Supply:	230V-50Hz, Rated Current 1.1 Amp
Motor:	.32 HP, single phase, 1700 rpm
Cutter:	D746012ZB U01W AlCrN coated

Dimensions:

Width:	17.7" (450mm)
Depth:	23.6" (600mm)
Height:	17.3" (440mm)
Weight:	83.8 lbs. (38 kg)



LASER KEYS



Optional Edge Cut Kit

■ Tri-Code HS Electronic

Eliminate the guesswork and effort associated with cutting sidewinder / laser style keys. Specifically designed for cutting automotive keys by code or duplication. If key “wear” is detected when duplicating, the machine automatically compensates to produce a duplicate key cut to the original factory specifications, within a tolerance of +/- .001”.

No set-up or initial calibration required. It’s fully equipped and ready to cut keys once you remove it from the box.

- Extensive “on-board” database contains cut specifications for many automotive key systems
- Database includes indirect codes for most major automotive brands
- Versatile three-position vise clamp (optional vises are not required)
- Microprocessor controlled cutting operation, utilizing a precision x-y stepper motor carriage transport mechanism
- LCD display
- Built-in light illuminates cutting area
- Optional Edge Cut Kit available to convert the Tri-Code HS for cutting standard edge cut vehicle keys



Technical Data

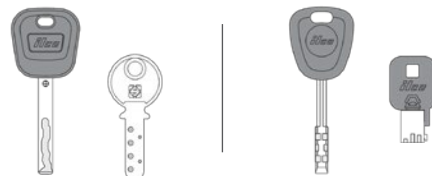
Power Supply:	120V-60Hz, Rated Current 3.10 Amps
Motor:	.32 HP, single phase, 8600 rpm
Cutter:	D708742ZB H101 HSS (Carbide optional)

Dimensions:

Width:	19.67" (499.6 mm)
Depth:	19.67" (499.6 mm)
Height:	18.89" (479.8 mm)
Weight:	95 lbs. (43 kg)



LASER / DIMPLE KEYS



Tibbe® and Tubular
with optional accessories

■ Futura Pro One Electronic

Designed specifically for cutting laser and dimple style keys. Quick change optional accessories provide the additional capability to cut tubular and Tibbe® style keys. Controlled with a removable 10" (254 mm) touch screen tablet which guides users step-by-step through key cutting operations.

- Decode and copy by electrical contact to OEM specifications
- Automatic calibration
- Fast cutting cycles - cutters can reach 12,100 rpm
- Interchangeable quick-change jaws that save time and reduces cost
- Extensive range of data cards and code tables for keys
- Shortcut function for vehicle key cutting code searches eliminates manual entry
- LED color changing lights indicate the status of the cutting process
- Integrated cutter holder keeps work station orderly and a built-in hood accessory tray provides for quick access to tools and/or keys
- Removable tablet stand can be locked onto the machine hood or placed on the counter
- Two USB ports; one for tablet recharge and one for the tethering connection so the machine and tablet remain connected and operational even when the Wi-Fi connection is unstable or lost



Technical Data

Power Supply: 90/264V-50/60Hz, Rated Current 5.5 Amp

Motor: 24VDC, 12100 rpm

Cutter: Laser - D747838ZB U01W Carbide
Dimple - D742867ZB 01D HSS

Dimensions:

Width: 12.52" (318mm)

Depth: 16.26" (413mm)

Height: 20.47" (522mm) 13.38" (340mm) without tablet

Weight: 42 lbs. (19 kg)

Optional accessories available for BMW®, Mercedes, Ford® Tibbe®, Toyota®/Lexus®, Fiat®, Citroen®, Huf®, Abus®, Assa®, CES®, Cisa®, Dom®, Iseo®, Kaba®, Keso®, Mul.T.Lock®, Pfaffenhain®, Securemme®, Winkhaus®, type keys, and tubular keys.



LASER / DIMPLE KEYS

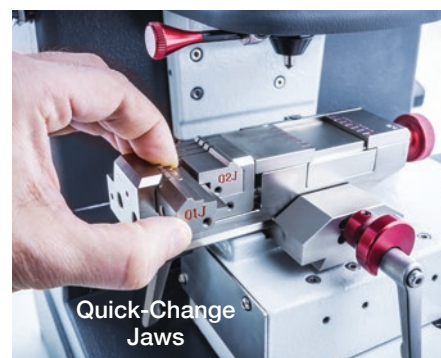


■ Triax Pro

Electronic (Special Order – 230V Only)

Triax Pro is designed for the professional for decoding, cutting by code or from original, laser and dimple keys. Triax Pro also has the ability to engrave keys and key tags. Operates stand-alone or PC mode.

- Cutting spindle speeds of up to 19,000 rpm results in faster cutting cycles
- Modify the cutting speed by 30%; speed up work queues or slow down to limit cutter wear
- Interchangeable quick-change jaws that save time and reduces cost
- Clamp calibration notice
- Quick-release tool change
- Efficient, integrated cutter holder and hood accessory tray
- Database allows for search by key blank, serial number, lock manufacturer, indirect code, system description, etc.
- USB Flash Drive allows software updates, back up of data saved on the machine, stores data card codes securely and optimizes use in stand-alone mode
- Equipped with a 5.7" (145 mm) built-in color display
- Maintains a running total of keys cut with each individual cutter
- Advises operator on cutter selection and when cutter may need replacement
- Optional tilting clamps for angled cuts plus many more optional accessories



Quick-Change Jaws

Technical Data

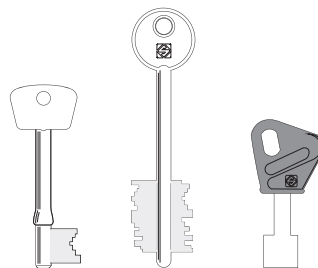
Power Supply:	230V-50Hz, Rated Current 1 Amp
Motor:	Brushless 48V-200W, Multi-speed 6000-19000 rpm
Cutters:	D738590ZB W500 Carbide, D709238ZB W101 Carbide D734267ZB W146 Carbide (for engraving)

Dimensions:

Width:	17.72" (450mm)
Depth:	20.08" (510 mm)
Height:	13.39" (340mm) without tablet
Weight:	113.54 lbs. (51.5kg)



BIT / DOUBLE BIT/PUMP STYLE KEYS



Idea

Electronic (Special Order – 230V Only)

Electronic key cutting machine for code cutting and duplication of bit and double bit keys, pump keys and “English” keys (with shoulder). Idea has a wide range of automatic operations that ensures precision within hundreds of a millimeter and provides a fast cutting cycle.

- Automatic calibration via electrical contact
- Accurate gauging via electrical contact
- Decode and “copy by original” via optical reader
- Adjustable carriage speed
- Creates the radius progressively on the bit profile
- 360° rotating clamp, used for cutting both sides of a key bit
- Stand-Alone memory of over 300 different cutting and decoding systems
- Memorizes over 1.000 cutting systems
- Customize key systems
- Connect to PC to plan queues, search for direct and indirect code, search partial cuts (shoulder stop keys) with the Silca SKP Program
- Optional accessories available to expand capabilities

Technical Data

Power Supply: 230V-50Hz, Rated Current 2 Amp

Motor: .32 HP, single phase, 1150 rpm

Cutter: D726023ZB Carbide

Dimensions:

Width: 15.75" (400 mm)

Depth: 20.47" (520 mm)

Height: 17.72" (450 mm)

Weight: 102.30 lbs (46.4 kg)



■ Futura Pro

Electronic

A unique electronic key cutting machine combining two cutting stations in one user-friendly device that can cut a variety of key styles in one innovative machine. A powerful machine for professional key cutters yet also ideal for inexperienced key cutters thanks to the software guided procedures throughout the cutting process.

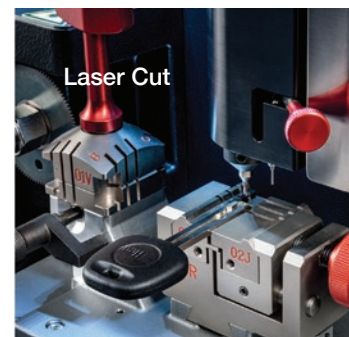
EDGE CUT Station

- Decode and “copy by original” via optical reader
- Guided calibration of the cutting station
- Rotating four-position clamps accommodates a variety of edge cut keys



LASER & DIMPLE Station

- Decode and copy by electrical contact to OEM specifications
- Automatic calibration
- Fast cutting cycles with a motor that delivers enough power for the cutters to reach 12,100 rpm.
- Interchangeable clamp jaws
- Optional accessories expand capabilities to include Tibbe®, tubular and more



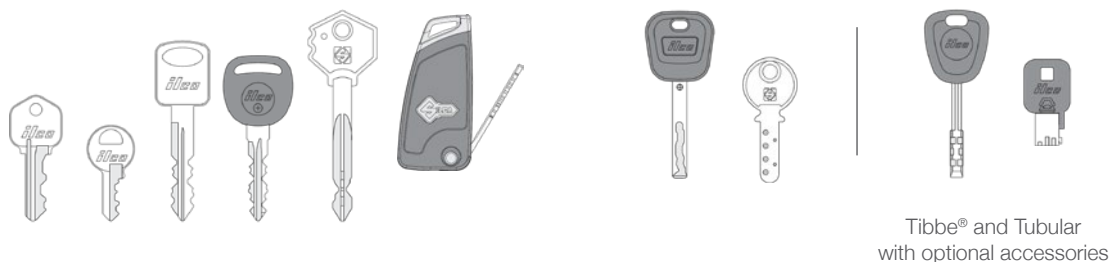
Technical Data

Power Supply:	90/264V-50/60Hz, Rated Current 5.5Amp
Motor:	24VDC, 1585 rpm (edge), 12100 rpm (laser/dimple)
Cutters:	Laser - D747838ZB U01W Carbide Dimple - D742867ZB 01D HSS Edge - D747276ZR 01F TiCN coating

Dimensions:

Width:	12.52" (318mm)
Depth:	16.26" (413mm)
Height:	20.47" (522mm), 13.38" (340mm) without tablet
Weight:	42 lbs (19 kg)

EDGE CUT KEYS —AND— LASER / DIMPLE KEYS

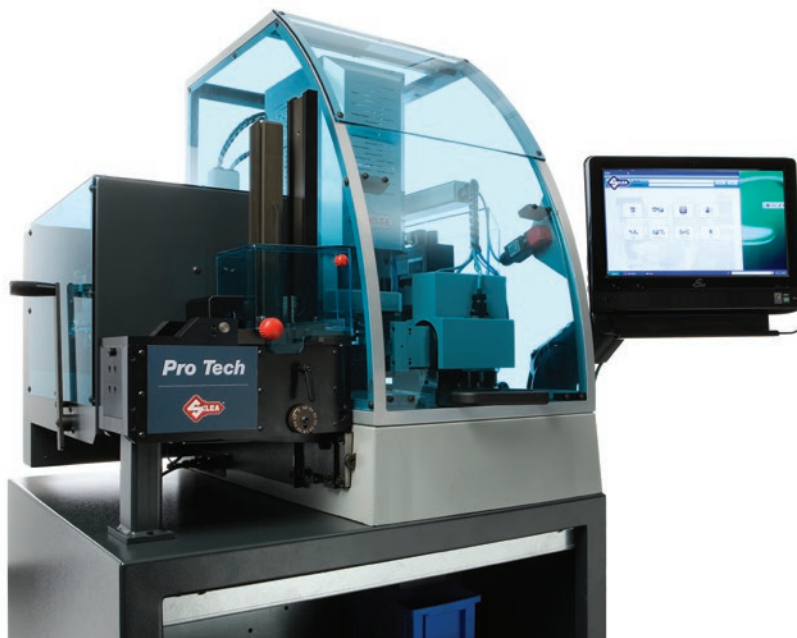


WORK Efficiencies

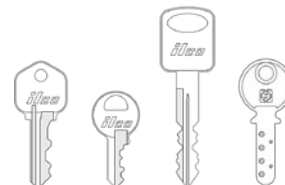
- Shortcut function for vehicle key cutting code searches eliminates manual entry
- LED color changing lights indicate the status of the cutting process
- Integrated cutter holder keeps work station efficient and orderly.
- Built-in hood accessory tray for quick access to tools and/or keys
- Removable tablet stand can be locked onto the machine hood or placed on the counter
- Two USB ports; one for tablet recharge and one for the tethering connection so the machine and tablet remain connected and operational even when the Wi-Fi connection is unstable or lost. The second USB port can also be used to connect the USB flash drive (supplied) to import code tables or for machine software updates.
- Guided, step-by-step updating procedures
- Create-A-Key™ and Instacode interface included



Optional accessories available for BMW®, Mercedes, Ford® Tibbe®, Toyota®/Lexus®, Fiat®, Citroen®, Huf®, Abus®, Assa®, CES®, Cisa®, Dom®, Iseo®, Kaba®, Keso®, Mul.T.Lock®, Pfaffenhain®, Securemme®, Winkhaus®, type keys, and tubular keys.



MULTI-FUNCTION



■ Pro Tech Plus

Production Capacity (Special Order)

Pro Tech Plus is a semi-industrial machine designed to cut, engrave and sort different types of keys. It is an ideal solution for Master Key Systems Manufacturers, Specialist Key-Cutting Centers or Locksmiths that manage high volumes of keys.

Pro Tech Plus is a modular platform that can be customized with several configurations according to specific key systems used by each customer (i.e. edge cut keys or edge cut and dimple/laser). Some systems may require different jaws to perfectly clamp various key profiles.

The process is fully automatic and managed by the Pro Tech Plus software provided.

Pro Tech Plus Software:

- Allows flexible use of the functions on the machine and can be updated via the internet
- Pro Tech Plus can be connected to your company intranet to easily transfer production input to the machine (i.e. process job orders or transfer data) and send e-mail alerts showing job conclusion or job flows as well as importing customer archives
- Master key system interface: can import and run MKS file of a Master Key System, customer code table and direct code.
- Large archive of engraving models with opportunity to customize fonts, characters and position variants

Technical Data

Power Supply: Single phase 200 / 240V

Frequency: 50Hz

Energy Use: 1 KW

Air Compressor: 300 l/min, 50L capacity,
(Required Specs) 6-6.5 bar pressure

Dimensions:

Width: 35.43" (900 mm); with PC 41.34" (1050 mm)

Depth: 70.87" (1800 mm)

Height: 31.50" (800 mm)

Weight: 992.08 lbs. (450 kg) - full version M159



Cabinet / Trolley Base

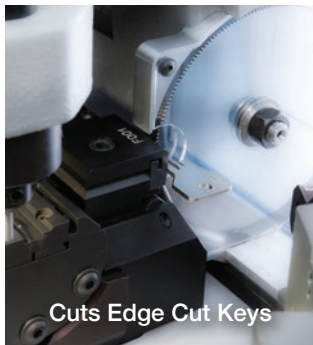
PRO TECH PLUS IS FULLY AUTOMATIC WITH PRIORITY SOFTWARE FOR THOSE WHO MANAGE HIGH VOLUMES OF KEYS



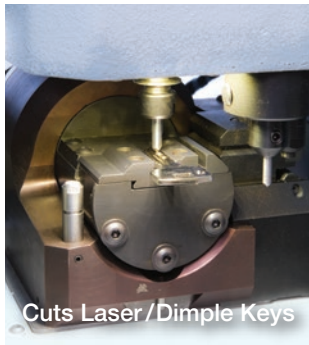
Robotic Arm



Automatic Key Feeder



Cuts Edge Cut Keys



Cuts Laser/Dimple Keys



XY Sorting Trays



3-Axis Cutting Tolerance

The Basics:

The basic structure of the Pro Tech Plus includes cabinet, trolley base, safety cover, PC (Control Panel), robot (automatic key-moving arm), standard jaws, automatic feeder and 5 port Ethernet switch (to connect to local network).

Options include:

- Edge Cut Station – for cutting and engraving of edge cut cylinder keys (single or double sided)
- Dimple Station – for cutting and engraving dimple or laser keys (fixed or tilting +/- 45°)
- Multifunction platform – includes dimple and edge cut stations
- Automatic or manual tool changer unit
- XY sorting trays (two variants available: 12 cells or 42 cells)
- Customer Kit – designed according to specific key systems used, may require different jaws to clamp key profiles.

Precision and Speed

- Cutting tolerance on 3 axis (X,Y,Z encoder controlled) +/- .003 mm
- Cut speeds – Edge Cut (1 axis, 7 cuts, engraving) = 35 seconds*, Dimple (3 axis, 1+11+11 cuts, engraving) = 80 seconds*
(*Variable depending on key system cut)



ENGRAVING & MARKING

■ Engrave-It™ Pro Electronic Engraving

The Engrave-It™ Pro is designed to provide maximum versatility for engraving items in the store, shop and in an institutional environment. This machine is capable of engraving keys, mortise cylinders, IC cores (face and sides), padlocks, ID plates/tags and laminated plates/tags and much more.

Optional trays are available for a wide variety of keys, cylinders, IC cores and padlocks with engraving templates built in. Using powerful engraving software with your PC, the operator can quickly select from a menu list of common templates or create their own custom settings to engrave other items.

- Ability to engrave both sides
- Capable of “fine” engraving (presentation plaques, etc.)
- Sequential numbering
- Variety of fonts and marking styles
- Custom lettering for marking keys, popular lock cylinders, and other items
- Various clamping options provided to secure items being engraved
- Aluminum T-Slot style table
- Easy to read LED screen
- Red laser pointer for easy job set-up
- Vision PRO 9 “Expert” software package (license dongle included)
- PC is required for operation



Technical Data

Power Supply:	110/220V
Motor:	1/7 HP
Cutter:	Diamond Tip
Res/Speed:	.0002" / 5" (.0051 mm / 127 mm) / second

Dimensions:

Width:	19" (482 mm)
Depth:	22.50" (412.75mm)
Height:	14.50" (368 mm)
Table:	6" W x 10" D (152.4 mm x 254 mm)
Weight:	54.23 lbs. (24.6 kg)

ENGRAVING & MARKING



Engrave-It™ XP Electronic Engraving

The Engrave-It™ XP is designed as a mid-level engraving machine suitable for store, shop or an institutional environment. This unit engraves keys, sides of IC Cores, brass and laminated ID plates / tags, pet tags, luggage tags and more.

Optional trays are available for a wide variety of keys and IC cores with engraving templates built in. Using powerful engraving software with your PC, the operator can quickly select from a menu of common templates or create their own custom settings to engrave other items.

- High quality engraving for presentation plaques, etc.
- Sequential numbering
- Over 1100 fonts, and 5000 clip art styles with the ability to add more
- Automatic or manual text sizing
- Vision Expert Software simplifies common tasks and offers versatility for advanced projects (license dongle included)
- Aluminum T-Slot style table
- Multi-mat eliminates the need for double stick tape, clamps, etc.
- Adjustable edge guides for easy alignment
- Red laser tracking pointer for job preview
- PC is required for operation



Technical Data

Power Supply:	110/220V
Motor:	1/7 HP
Cutter:	Diamond Tip
Res/Speed:	.0002" / 3" (.0051 mm / 76.2 mm) / second

Dimensions:

Width:	17.50" (444.5 mm)
Depth:	17.50" (444.5 mm)
Height:	9.5" (241.3 mm)
Table:	6" W x 8" D (152.4 mm x 203 mm)
Weight:	38 lbs. (17.2 kg)



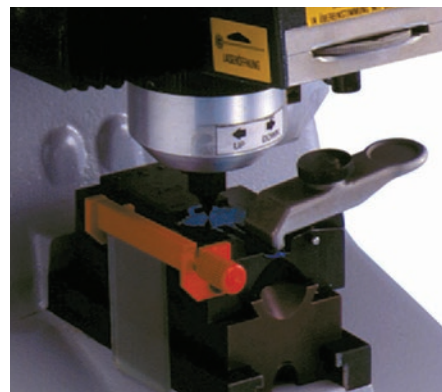
■ Marker 2000

Electronic Micro Point Style Imprinter

Designed for use in the professional market, the Marker 2000 will easily imprint keys, medallions, tags. Mark cylinders with the optional C7 Jaw.

The unit's built-in computer uses a variety of type styles and sizes to mark up to four lines of text. By connecting to a PC, capability may be enhanced to include graphics and increases text data-base storage (optional software required).

- Dot Impact (Micro Point) system indents without removing material
- C1 standard clamp (15 optional clamps)
- Marks nickel silver, brass, and mild steel metals
- Interchangeable punch / 80 punches per second
- Movement on two axes
- Five language menu support
- Compact design facilitates installation anywhere
- Optional C7 Jaw is available for marking cylinders.
- 15 optional clamps to increase capability



Technical Data

Power Supply:	110V 60Hz or 220V 50 Hz
Punch:	Super Rapid Tempered Steel Alloy
Max Frequency:	80 punches per second
Movement:	on 2 axes X-axis 1.96" (50 mm), Y-axis 1.38" (35 mm)

Dimensions:

Width:	8.66" (220 mm)
Depth:	12.60" (320 mm)
Height:	17.72" (450 mm)
Weight:	44 lbs. (20 kg)

LIMITED WARRANTY for “ILCO” Branded Products

This limited warranty applies to the normal use by the original end user purchaser of “ILCO” branded key duplication machines, purchased new and not for resale from Kaba Ilco Corp. (“Ilco”) or a reseller of Ilco products.

For those “ILCO” branded key duplication machines that are covered by this limited warranty, Ilco warrants that a covered product is free from manufacturing defects in material and workmanship, subject to the terms and conditions in this limited warranty.

What is the Period of Coverage?

Ilco offers this limited warranty on covered “ILCO” branded key duplication machines for a period of two (2) years from the date of purchase by the original end user.

What is NOT Covered By the Warranty? This limited warranty does not cover defects or malfunctions resulting from:

- Improper or negligent use.
- Improper installation.
- Mishandling.
- Use by unqualified personnel.
- Normal wear and tear.
- Use of spare parts of other makes.
- Transportation.
- Products purchased for resale.
- Circumstances beyond the control of Ilco
- Products and parts not manufactured by Ilco, if any, are guaranteed only in accordance with that manufacturer's warranty.
- Consequential or incidental expenses or damages resulting from breach of this warranty or any implied warranty.
- This limited warranty is voided if repairs or changes to the machine are attempted or carried out by unauthorized persons.
- Damage to persons or property caused by failure to ground the machine or by mishandling.

What Will Ilco Do to Correct Problems?

Ilco will, at its option, either repair or replace, free of charge (including shipping and labor charges), a covered product that is returned to Ilco and that Ilco finds to be defective upon inspection and/or testing of the returned product.

LIMITED WARRANTY for “SILCA” Branded Products

As a reseller of Silca branded products, Kaba Ilco Corp. (“Ilco”) does not warrant those products itself, but it does pass the manufacturer's limited warranty through to the end user. See below for more information on the manufacturer's limited warranty.

What Does the Silca Limited Warranty Cover?

Silca warrants its machines in compliance with this certificate, with effect from the date of purchase, on presentation of the warranty together with the delivery note or invoice issued by the supplier. The warranty is valid for 24 months. The warranty covers the free repair or replacement of any parts admitted to have been faulty at source as a result of imperfect manufacture. The warranty does not cover parts which become faulty as a result of negligence, bad installation, mishandling, use by unqualified personnel, normal wear, use of spare parts of other makes, transport and any circumstances beyond the control of our company. Bought-in components are covered by the manufacturer's guarantee.

The warranty is nullified if persons other than those authorized by our company attempt to carry out repairs or changes. Repairs carried out under warranty in no way prolong or renew the period of validity. Parts replaced under warranty become the property of our company. Said company declines all responsibility for damage to persons or things caused by failure to earth the machine or by mishandling. This certificate, endorsed by our company, must be kept for the whole period covered by the warranty.

How Can You Get Service (Ilco and Silca Branded Key Machines)?

To assure your return is properly handled, contact Ilco customer service prior to sending us any product. We will give you a form to fill out and a Return Authorization Number that you must include when you ship your product back to us.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, THIS LIMITED WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDIES, AND THE ENTIRE LIABILITY OF ILCO FOR ANY BREACH OF THIS LIMITED WARRANTY.

SOME STATES/JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS, AND EXCLUSIONS DESCRIBED ABOVE, AND AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE OR FROM ONE JURISDICTION TO ANOTHER.

NO DISTRIBUTOR, DEALER, SALES REPRESENTATIVE NOR ANY OTHER PERSON HAS BEEN AUTHORIZED TO MAKE ANY AFFIRMATION, REPRESENTATION OR WARRANTY REGARDING THE PRODUCT, OTHER THAN THOSE CONTAINED IN THIS LIMITED WARRANTY, AND IF MADE, SHALL NOT BE ENFORCEABLE AGAINST ILCO. ILCO RESERVES THE RIGHT TO MODIFY THIS WARRANTY AT ANY TIME, IT BEING UNDERSTOOD THAT SUCH MODIFICATION WILL NOT ALTER THE WARRANTY CONDITIONS APPLICABLE TO THE PRODUCTS SOLD WHILE THIS WARRANTY IS IN EFFECT.

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C.P. 54915 • www.albailco.mx • Ph: 01.55.5366.7200

North America:

U.S.A., Canada, Caribbean Islands

Kaba Ilco Corp.

400 Jeffreys Road • Rocky Mount, NC 27804
www.ilco.us • Ph: 800.334.1381 or 252.446.3321
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