



NETWORK WITH US



# KEY CUTTING MACHINE CATALOGUE

**2018** VERS.2



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dormakaba Group



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## MECHANICAL KEY CUTTING MACHINES Page 3



Bravo, Poker, Rekord, Speed, Flash 008,  
 Delta 2000 A, Twister II, Swift, Matrix, Omnia,  
 Fastbit, Lancer Plus, Crown, Delta 2000 FO,  
 Delta 2000 MC, Rekord AY, Duo

Comparison table of key cutting  
 machines based on key type

## ELECTRONIC KEY CUTTING MACHINES Page 3



Futura, Unocode Pro, Unocode 399 Plus  
 Unocode 299, UC199

Comparison table of key cutting  
 machines based on key type

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## SEMI-INDUSTRIAL MACHINES Page 3



Pro-Tech

Comparison table for  
 the production of  
 Master Key Systems

## AUXILIARY DEVICES Page 3



Optika  
 Optika Light  
 Marker 2000



## SILCA

Silca is the global brand of reference for the production of keys and the production of professional and industrial machines dedicated to key duplication. Silca has been responsible for the most important technological evolutions in key duplication such as the first electronic key cutting machine capable of copying keys by code. Silca machines are born from a

long tradition, from a know-how recognized at a global level and from the expertise and passion of engineers who understand keys in every detail.

## QUALITY AND CERTIFICATIONS

Product quality is fundamental to Silca and we invest continuously to guarantee a level of quality that is both independently certified and designed to last. The recognition

received is the result of Silca's commitment to quality and sustainability.

Silca holds the following standards:

- ISO 9001:2008,
- ISO/TS 16949:2009 (Automotive),
- UNI EN ISO 14001:04 (EMS),
- BS-OHSAS 18001:07

Minda Silca Engineering Pvt Ltd., was incepted in the year 2002 under A K Minda Group and was known as "Tuff Engineering Pvt. Ltd." Based at Noida, this company made a humble beginning under AK Minda Group (now known as SPARK MINDA, Ashok Minda Group), to provide Key Solution to all the other group companies.

SPARK MINDA, Ashok Minda Group is a leading manufacturer of Automotive Security Systems, Driver Information Systems, Plastic Injection-Moulded Interior Parts, Die-Casting, Keys and Key Duplicating Machines. The Group caters to the needs of all major Car, Motorcycle, Commercial Vehicles, Tractor and off-road vehicle manufacturers in India and overseas. The Group operates from 35 plants located in India, Germany, Poland, Czech Republic, Indonesia, Vietnam, Uzbekistan with office in Japan. The Group also has several JVs with leading companies from USA, Japan, Italy, and Uzbekistan.

Minda Silca Engineering Pvt. Ltd. was formed in 2006, after a Joint Venture between Spark Minda, Ashok Minda Group & Silca S.p.A, Italy (a member of DormaKaba

Group with annual turnover of 2.1 Billion CHF). Silca is the flagship company for the key business within DormaKaba Group. It is a leading European company for manufacturing key blanks, key-cutting machines and equipments dedicated to the production and key blanks processing. Silca also has a product range dedicated to key manufacturing and duplication & security products.

## OUR VISION

"To be a dynamic, innovative and profitable precision component manufacturer for automotive as well as non-automotive organization with a special focus on keys & KCM, emerging as the preferred supplier and employer to create value for all stakeholders"

## OUR MISSION

- Focusing on product innovation as the essential element to differentiate our offer.
- Looking after our customers needs granting them first class services.
- Upgrading of our production processes both in terms of efficiency and quality.
- Empowering human resources by means of continuous

education and training as well as supporting professional growth within the company.

- Pursuing continuous improvement by promoting initiatives and responsibilities at individual and team level.

## QUALITY & CERTIFICATIONS

Minda Silca holds the following standard – IATF 16949:2016 ( 1st edition, 2016-10-01)

## MINDA SILCA BUSINESS MODEL

Minda Silca does not merely represent a trade name, it is an approach to the market, a constant and intense dedication to product quality standards and above all a guarantee of innovation and quality for all the people operating in the world of duplication services.

Minda Silca's Business Model is a combination of direct and indirect business covering all the available distribution channels, distributing a complete range of key blanks and key cutting machines dedicated to key cutters, Shoe Bars, Locksmiths and to Industrial users.





## THE KEY CUTTING MACHINE MOST SUITABLE FOR YOU

This catalogue presents every key cutting machine, both mechanical and electronic, in a standard, easy to read format that gives the machine's key technical and functional characteristics to help you to choose the machine best suited to your needs.

For each machine, in addition to the technical characteristics, the main accessories are also detailed.

### COMPARISON TABLES

These sections developed by Silca experts, allow you to quickly compare the different models in the same family to understand the differences and

decide which is the right machine for your business. The comprehensive final summary table also allows you to see the whole range, across model families, by the types of keys cut.



## SILCA KEY PROGRAMS

(SKP) is the software platform developed by Silca to cut keys with the electronic key cutting machines using the original dimensions set by lock manufacturers, ensuring high quality and precise results. SKP has a modular structure to support different customer needs.

## SILCA SOFTWARE INTERFACE (SSI)

Silca Software Interface is a software module that allows you to

import and manage .dat and .xml data typically used in the production of master key systems. The management of job queues optimizes the phases of key duplication and engraving; useful during installations.

## CODE MAKER

Code Maker is an SKP module for creating key cutting cards not yet present in the Silca database. This function allows you to create cards for flat, dimple, bit, double bit and pump keys.

## SILCA OEM CLIENT

Silca OEM Client (SOC) is a software functionality that allows authorized locksmiths to copy Mottura®, Evva® and Assa® keys. The function ensures full traceability of the duplicates, which are archived and tallied. The OEM transmits the encrypted cutting parameters directly to the machine, guaranteeing the highest level of security in the key duplication service.

## OPTIONAL ACCESSORIES

The same passion and attention to detail dedicated to the design and creation of every key cutting machine is also applied to the range of Silca accessories. Clamps, jaws, feeders: every component is studied based on the structure of the machine for which it will be used.

## ORIGINAL SPARE PARTS

Original Silca spare parts are made from the highest quality materials, assembled with maximum care and precision tested. They are made to ensure that optimum performance and

precision levels last over time.

## ORIGINAL COSUMABLES

Silca offers a vast range of original consumables like cutters, tracers and brushes. All Silca consumables conform to the same guaranteed high quality levels that Silca delivers with key cutting machines.

## GUARANTEED COMPONENTS

Original Silca components are designed and produced to respect the requirements of the CE standard. In cases of repair or substitution the CE standard is only guaranteed if original Silca spare parts are used. Silca

guarantees to supply parts for 7 years after the discontinuation of a product.





# MECHANICAL KEY CUTTING MACHINES

## THE CATALOGUE

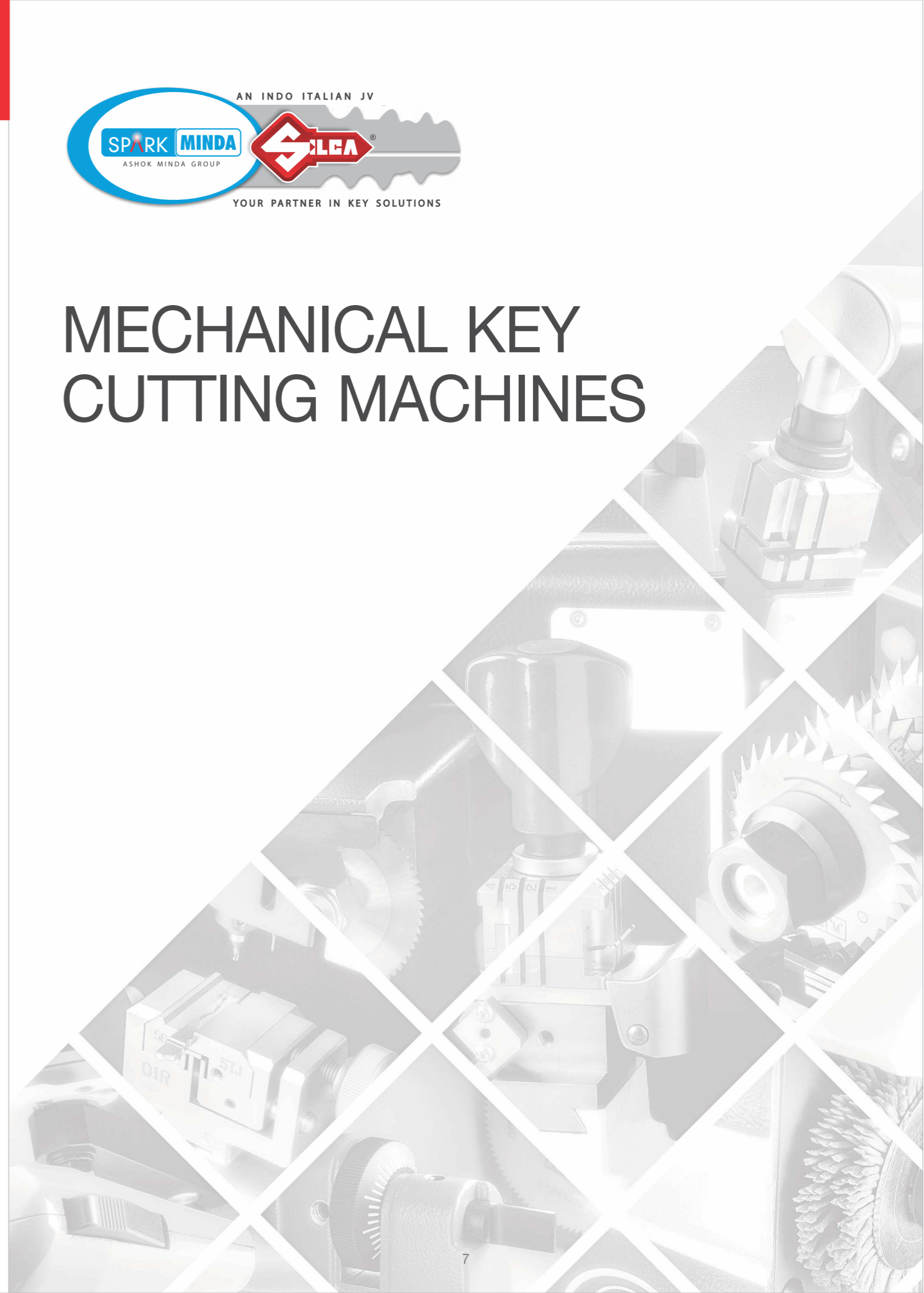
The Catalogue is the largest residential and automotive key database worldwide. The breadth and quality of the information available make it the essential tool to find the key you need. You can search residential keys by original make; or by make, model and year if you're browsing automotive keys. Additional filters can be applied to improve the results. You can also create personalized collections and print out key tags

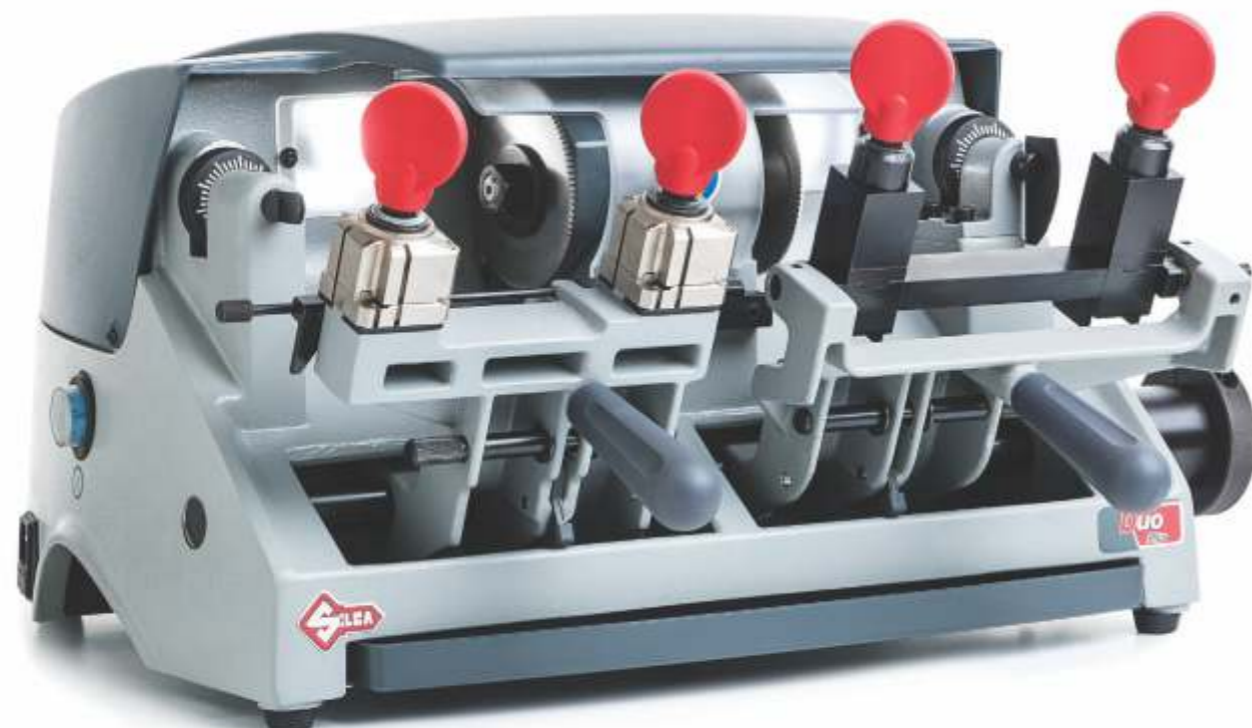
for your display, customizing them with information such as hook position and price.

## REMOTES AND COMPLEMENTARY PRODUCTS SEARCH

The Catalogue includes the assortment of Silca complementary products, such as key rings, engravable key tags, carabiners and snap hooks, together with the range of original residential remotes compatible

with Silca Air4. Video tutorials guiding you through the programming procedures are available for numerous remote models. Registration is free at the catalogue. [silca.biz](http://silca.biz).



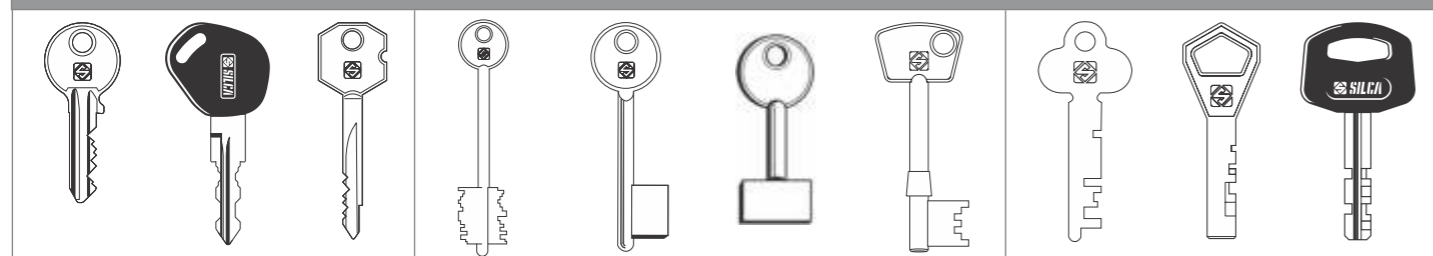


- Double cutting station
- Long-lasting components
- Illumination
- Carriage release system
- Ergonomic handles

**MODELS:**

Duo & Duo Plus

**TIPOLOGIA DI CHIAVI**



Revolving 4-sided clamps



Revolving 3-sided clamps

**FEATURES IN COMPARISON**

FEATURES IN COMPARISON	DUO	DUO PLUS
Rotating, sintered, 4-sided clamps with nickel plating	•	•
Spring loaded tracer point	-	-
Single speed cutter motor	•	•
Tracer point with micrometric adjustment	•	•
Prismatic cutter made of HSS (High Speed Steel)	•	•
HSS cutter - thickness 1,25 mm	•	•
Electromagnetic safety switch	•	•
Ergonomic handles	•	•
Long neck pump key duplication	•	•
Short neck key duplication		
Bit and double bit key duplication	•	•
Square-stemmed pump key duplication		
Abloy® key clamping		•
Chubb® key clamping		•
Mail box key clamping	•	•
Abus® Granit key clamping		•
Tool holder	•	•
Brush ø 80x16mm	•	•
Lamp	•	•
Swarf tray	•	•
Weight	kg 23	kg 23



Prismatic cutter made of HSS



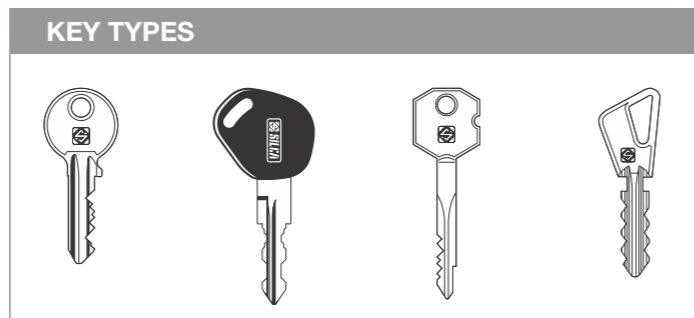
Swarf tray

# SPEED

FOR FLAT, VEHICLE AND CRUCIFORM KEYS



- Sintered, nickel-plated clamps
- Single speed cutter motor
- Electromagnetic safety switch
- Protective shield
- Accessories area
- Swarf tray
- Wide range of optional accessories
- Brush ø 80x16mm



MODELS:

Speed, Speed S
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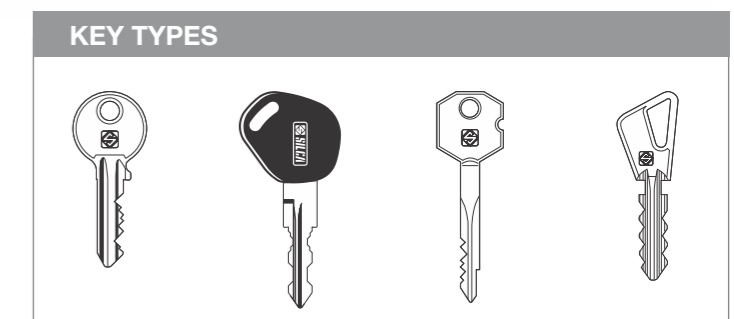
FEATURES IN COMPARISON	SPEED	SPEED S
Revolving, sintered, 4-sided clamps with nickel plating	•	•
Tracer point with micrometric adjustment	•	•
Electromagnetic safety switch	•	•
Automatically activated cutter	•	•
Cutter made of HSS (High Speed Steel)	•	•
Fixing bracket	•	•
Weight	kg 14	kg 14

# FLASH 008

FOR FLAT, VEHICLE AND CRUCIFORM KEYS



- Compact and lightweight
- Revolving, sintered, 4-sided clamps with nickel plating
- Tracer point with micrometric adjustment
- AlTiN-coated cutter made of HSS (High Speed Steel)
- Wear-resistant components
- Fixing bracket
- Brush ø 58x14mm
- Weight kg 6,4



MODELS:

Flash 008, Flash 008 Extra CEE
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Revolving, sintered, 4-sided clamps - nickel plating



AlTiN-coated cutter



- High quality and versatile clamps
- Carriage safety system
- Automatically activated cutter
- Automatic tightening of the belt
- Electromagnetic safety switch
- Long-lasting components

**MODELS:**

- |                    |                |
|--------------------|----------------|
| Bravo Professional | Bravo W-Max    |
| Bravo Evolution    | Bravo Sofer 2P |
| Bravo Bd Évolution | Bravo D12      |
| Bravo Maxima       |                |
| Bravo Maxima Plus  |                |

**KEY TYPES**



Bravo Evolution: HSS cutter



Bravo Maxima: digital tracer point

FEATURES IN COMPARISON	BRAVO EVOLUTION	BRAVO PROFESSIONAL	BRAVO MAXIMA	BRAVO W-MAX
Revolving 4-sided clamp		•	•	•
Reversible 2/3-sided clamp	•			
Slotted clamps for cutting double-sided keys	•	•	•	•
Burnished metal clamps	•	•	•	•
Tracer point with micrometric adjustment	•	•		
Digital tracer point with micrometric adjustment			•	•
Single speed cutter motor	•	•		
Double speed cutter motor			•	•
Electromagnetic safety switch	•	•	•	•
Carriage safety system	•	•	•	•
Automatically activated cutter	•	•	•	•
Protective shield	•	•	•	•
Dynamometric clamp knob	•	•	•	•
Automatic tightening of the belt	•	•	•	•
Lamp	•	•	•	•
Brush ø 80x20mm	•	•	•	•
Cutter made of Widia				•
Cutter made of HSS (High Speed Steel)	•	•	•	
Weight	kg 21,5	kg 21,5	kg 22,5	kg 22,5



Bravo Professional: 4-sided clamps



Bravo w-max: cutter speed selector



Bravo Evolution: micrometric tracer point



Bravo Evolution: 3-sided clamps

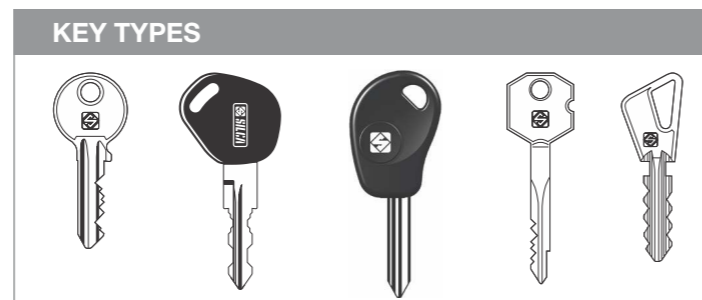


# REKORD

FOR FLAT, VEHICLE AND CRUCIFORM KEYS



- Sintered, nickel-plated clamps
- Electromagnetic safety switch
- Automatic tightening of the belt
- Cutter made of HSS (High Speed Steel)
- Brush ø 80x15mm



**MODELS:**  
Rekord, Rekord S, Rekord Sofer, Rekord D12

FEATURES IN COMPARISON	REKORD	REKORD S
Revolving, sintered, 4-sided clamps with nickel plating	●	●
Tracer point with micrometric adjustment	●	●
Automatically activated cutter		●
Carriage safety system	●	●
Brush ø 80x15mm	●	●
LED lamp	●	●
Weight	kg 19	kg 19

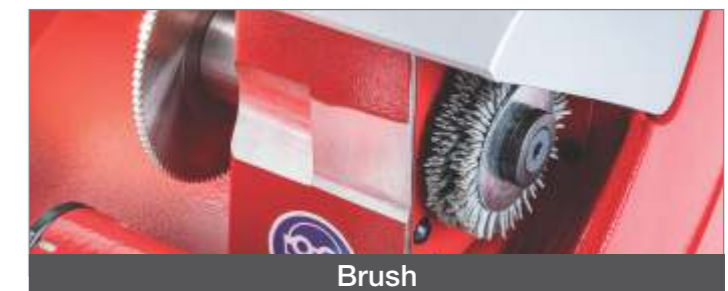
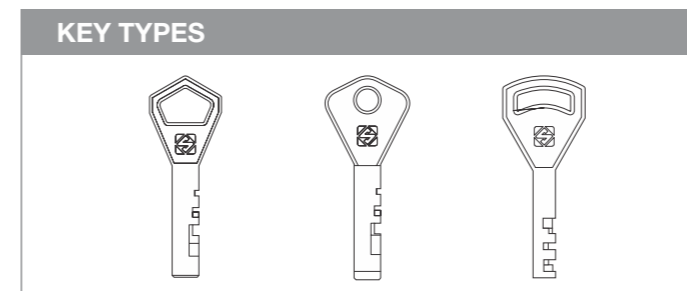


# REKORD AY

FOR SPECIAL KEYS



- Burnished metal clamps
- Tracer point with micrometric adjustment
- Cutter made of HSS (High Speed Steel)
- Electromagnetic safety switch
- Automatic tightening of the belt
- Protective shield
- LED lighting
- Copy by code
- Brush ø 51x15mm
- Weight kg 14

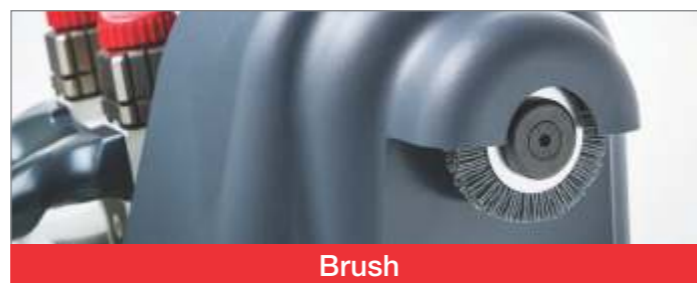
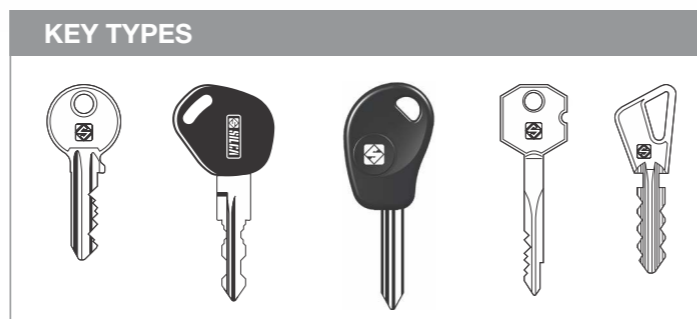


# DELTA 2000 A

FOR FLAT, VEHICLE AND CRUCIFORM KEYS



- Revolving, sintered, 4-sided clamps with nickel plating
- Tracer point with micrometric adjustment
- Electromagnetic safety switch
- Single speed cutter motor
- Fast and automatic key duplication
- Ergonomic knobs and levers
- Swarf tray
- Brush  $\varnothing$  55x15mm
- Weight kg 14

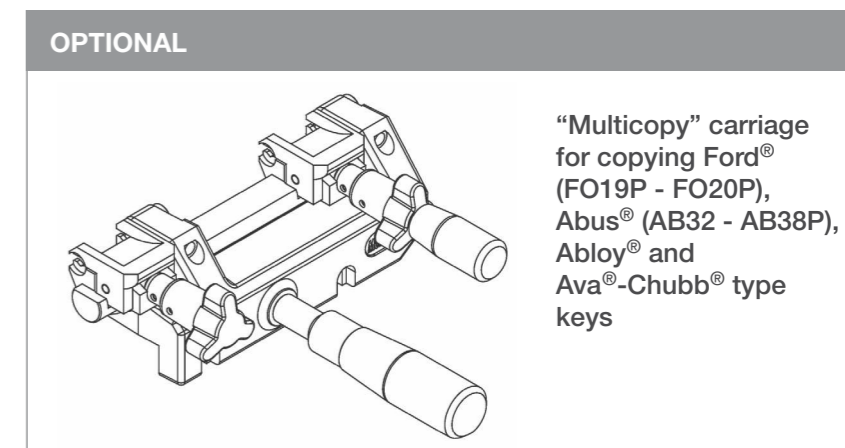
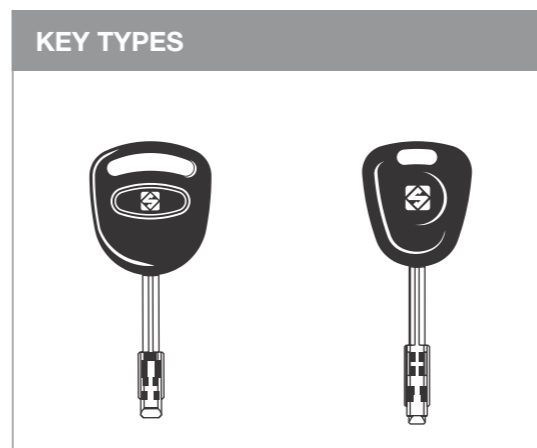


# DELTA 2000 FO

FOR SPECIAL KEYS



- Compact, versatile, easy to use
- Adjustable tracer point
- Single speed cutter motor
- Interchangeable carriage
- Cutter made of HSS (High Speed Steel)
- Brush  $\varnothing$  55x15mm
- Weight kg 14
- Duplicates Tibbe Ford® and Jaguar® type keys



# POKER

FOR FLAT, VEHICLE AND CRUCIFORM KEYS



- Burnished metal clamps
- Single speed cutter motor
- Electromagnetic safety switch
- Ergonomic handles
- Brush  $\varnothing$  80x15mm



MODELS:  
Poker S, Poker Plus/S

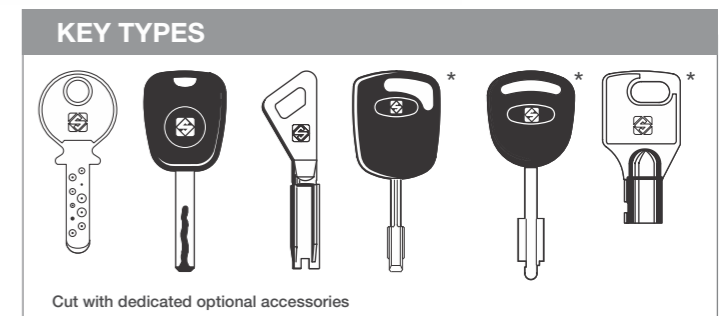
FEATURES IN COMPARISON	POKER S	POKER PLUS/S
Reversible 2/3-sided clamp	●	●
Tracer point with micrometric adjustment		●
Cutter made of HSS (High Speed Steel)	●	●
Automatic cutting cycle	●	●
Electromagnetic safety switch	●	●
Brush $\varnothing$ 80x15mm	●	●
Weight	kg 22	kg 22

# TWISTER II

FOR LASER AND DIMPLE KEYS



- Laser and dimple key duplication
- Spring loaded tracer point
- Replaceable jaws of the clamp on the cutter side
- Electromagnetic safety switch
- Cutter speed of 6000 rpm
- Blocking system for X and Z axes
- Carriage movements on bearing guides
- Weight kg 24



Clamps



Integrated lamp



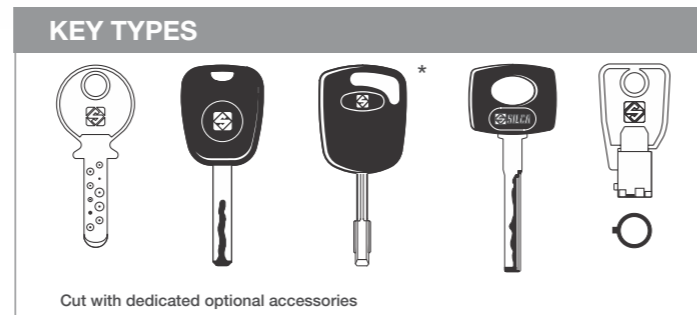
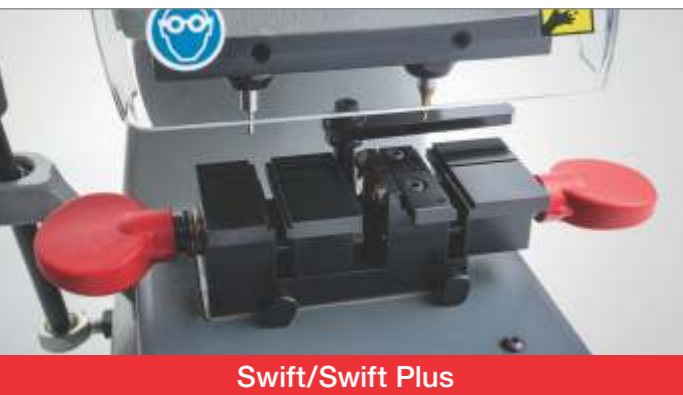
Spring loaded tracer point

# SWIFT PLUS

FOR LASER AND DIMPLE KEYS



- Compact and lightweight
- Resistant and reliable
- Easy to use
- Safe for the user
- Accessories area
- Carriage movements on shafts and bearings



MODELS:  
Swift & Swift Plus

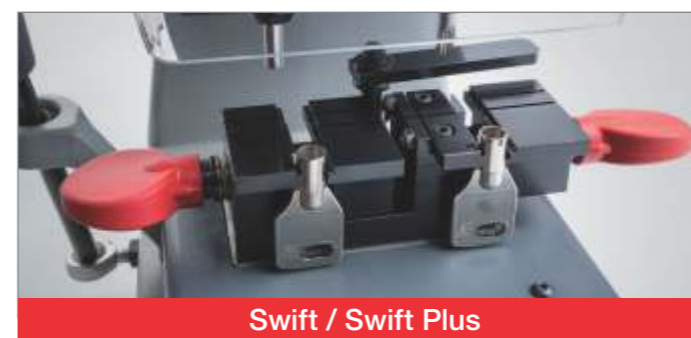
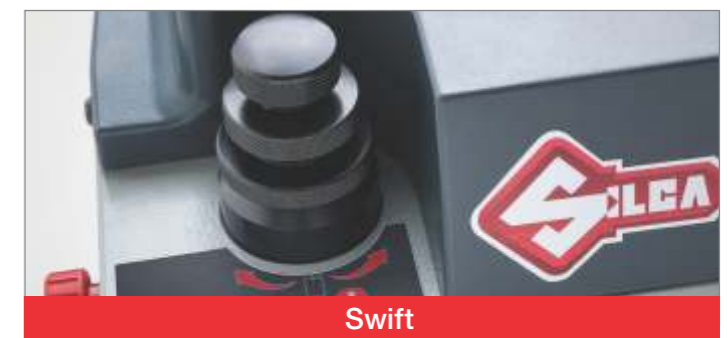
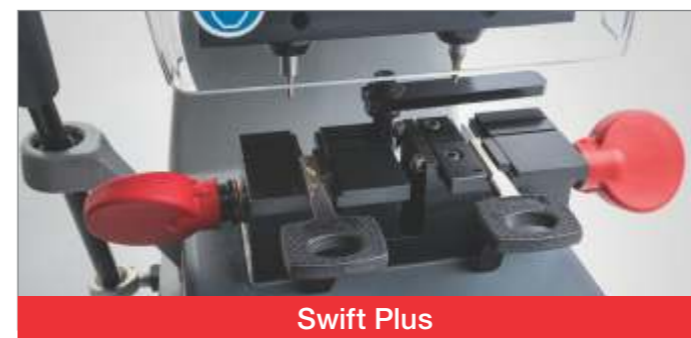


# SWIFT PLUS

FOR LASER AND DIMPLE KEYS



FEATURES IN COMPARISON	SWIFT PLUS	SWIFT PLUS (SEA)
Replaceable jaws of the clamp on the cutter side	●	●
Spring loaded tracer point	●	●
TIN-coated HSS cutter for laser and dimple keys	●	●
Burnished steel clamps	●	●
Blocking system for tubular key alignment	●	
Nickel-plated tracer point ring nut	●	
Gauge for installing tubular keys	●	●
Electromagnetic safety switch	●	●
Axes blocking system	●	●
Manual release of the cutter and tracer point	●	●
Cutter speed of 8000 rpm	●	●
Z-axis adjustment ring nut	●	●
Lamp	●	
Ergonomic handles	●	●
Long-lasting motor	●	●
Accessories area	●	●
Adapter for Mercedes® type keys supplied as standard	●	
Laser, dimple and tubular key duplication	●	●
Weight	kg 12	kg 12
Mul-T-Lock Kit	●	
Tubular Kit	●	

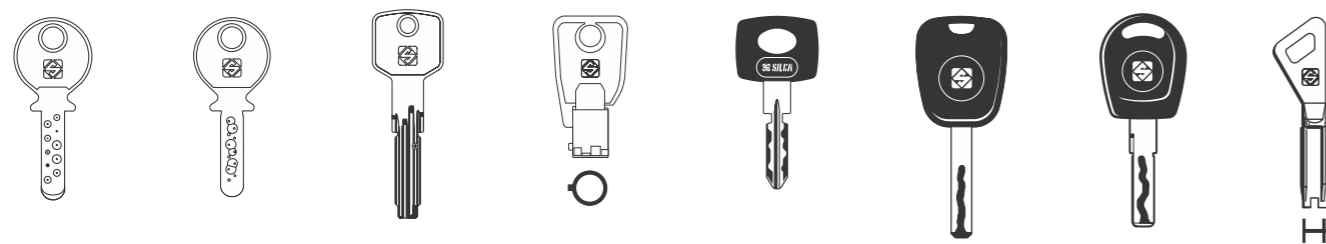




- Tilting clamps
- Electromechanical calibration system
- Protective shield
- Cutters made of HSS (High Speed Steel)
- Carriage movements on bearing guides
- Pull-out accessories compartment

**MODELS:**  
Matrix Pro, Matrix Evo, Matrix One

**KEY TYPES**



Keypad display

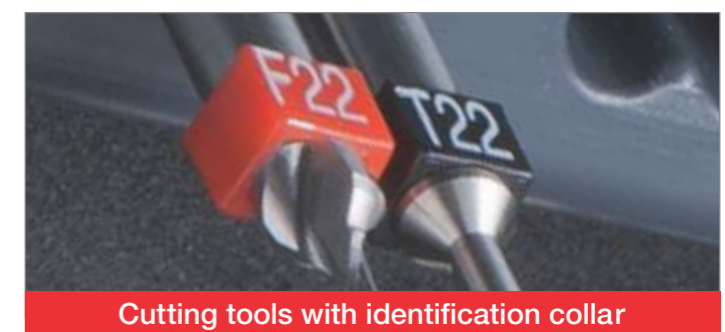


The left hand

FEATURES IN COMPARISON	MATRIX ONE	MATRIX EVO	MATRIX PRO
Tilting clamp +- 45°		●	●
Spring loaded tracer point	●	●	●
Electromechanical calibration	●	●	●
Coated aluminium knobs			●
Polymer knobs	●	●	
Electromagnetic safety switch	●	●	●
Cutter speed of 6000 rpm	●	●	●
Automatically activated cutter	●	●	●
Cutting tools with identification collar	●	●	●
Quick-release system of the cutter and tracer point with self-centering gripper			●
Manual cutter and tracer point release	●	●	
Blocking system for X and Y axes carriages		●	●
Blocking system for Z-axis	●	●	●
LED lighting	●	●	●
Automatic light switch-on			●
Manual light switch-on	●	●	
Roll bar rest for the left hand	●	●	●
Tubular key duplication	-	Optional	●
Type HU66 laser key duplication	Optional	●	●
Abus®, Bricard®, Cisa® key duplication	Optional	●	●
Adapter for Fichet® keys (type H)	Optional	●	●
Accessories area mat		●	●
Pull-out accessories compartment	●	●	●
Weight	kg 24,6	kg 24,6	kg 24,6



Tilting clamps with 3 seats



Cutting tools with identification collar

# FASTBIT II

FOR BIT AND DOUBLE BIT KEYS



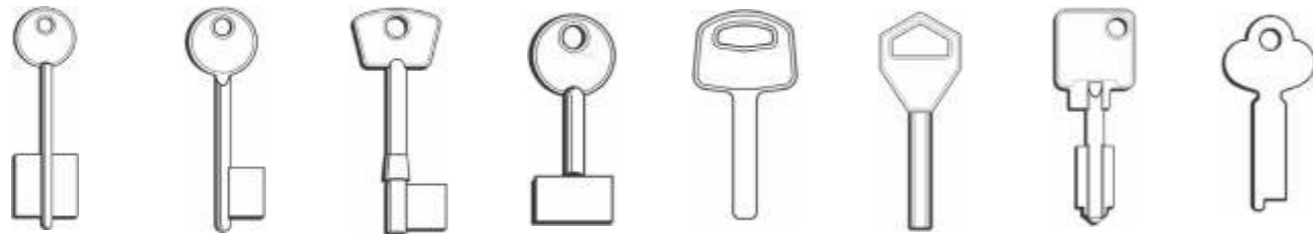
- Spring loaded tracer point
- Electromagnetic safety switch
- Protective cutter shield
- Brush ø 80x16mm

- Ergonomic knobs and levers
- Swarf tray

**MODELS:**

Fastbit, Fastbit II

**KEY TYPES**



Clamp



TiN-coated cutter with side cuts



# FASTBIT

FOR BIT AND DOUBLE BIT KEYS

FEATURES IN COMPARISON	FASTBIT	FASTBIT II
Single speed cutter motor	•	•
Tilting clamp on the cutter side	•	•
Spring loaded tracer point	•	•
Tracer point with micrometric adjustment	•	•
Vertical cuts adapter	Optional	Optional
TiN-coated HSS cutter with side cuts	•	
Cutter made of Widia	Optional	•
Cutter speed	600 rpm	600 rpm
Polymer knobs	•	•
Adjustable clamp knob	•	
Ergonomic handles		•
Shaft movement on bushes	•	•
Electromagnetic safety switch	•	•
Mail box key duplication		•
Abloy® key duplication		•
Abus® Granit key duplication		•
Chubb® key duplication		•
Carter di protezione fresa	•	•
Brush ø 80x20mm	•	•
Swarf tray	•	•
Fixing bracket	•	•
Weight	kg 15,4	kg 15,5



Spring loaded tracer point



HSS cutter

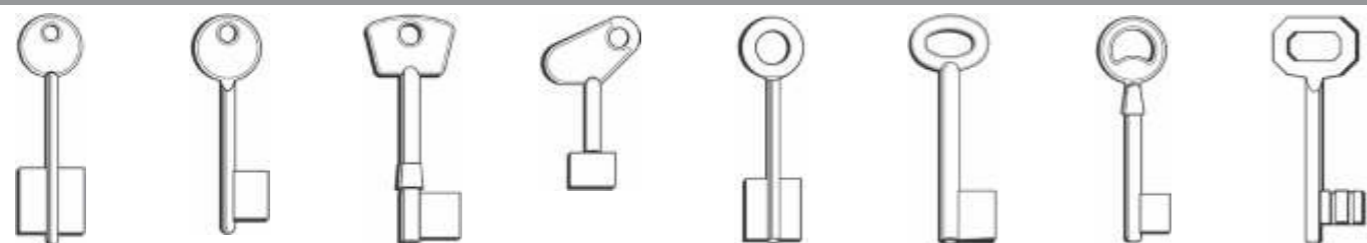


- Designed for clamping long-stemmed keys
- Carriage movements by bearing guides
- Automatic safety switch-off
- Tool holder for accessories and tailstocks

- TiN-coated cutter made of HSS (High Speed Steel)
- Excellent view and access to the working area

**MODELS:**  
Omnia, Omnia Max, Omnia W-Max, Omnia 650 rpm

**KEY TYPES**



Self-centering clamps



Tool holder for accessories and tailstocks

FEATURES IN COMPARISON	OMNIA	OMNIA 650 rpm	OMNIA MAX	OMNIA W MAX
Cutter made of HSS (High Speed Steel)		•		
TiN-coated HSS cutter	•		•	
Cutter made of Widia				•
Cutter speed	386 rpm	650 rpm	386 rpm	650 rpm
Tailstock for male and female keys	Optional	Optional	Optional	Optional
Knobs and levers made of polymer	•	•		
Coated aluminium knobs			•	•
Vertical cuts carriage	Optional	Optional	•	•
Vertical cuts clamp with dynamometric knob				•
Vertical cuts clamp with standard knob	•	•	•	
Spring loaded tracer point	•	•	•	•
Spring loaded tracer point knob made of polymer	•	•	•	
Chrome-plated spring loaded tracer point knob				•
LED light	•	•	•	•
Protective shield	•	•	•	•
Automatically activated cutter	•	•	•	•
Electromagnetic safety switch	•	•	•	•
Tracer point with micrometric adjustment	•	•	•	•
Single speed cutter motor	•	•	•	•
Brush ø 80x20mm	•	•	•	•
Switch for brush activation	•	•	•	•
Accessories holder	•	•	•	•
Self-centering clamps	•	•	•	•
Tilting clamp on the cutter side	•	•	•	•
Adjustable clamp knobs	•	•	•	•
X-axis blocking knob	•	•	•	•
Weight	kg 32	kg 32	kg 33,5	kg 33,5



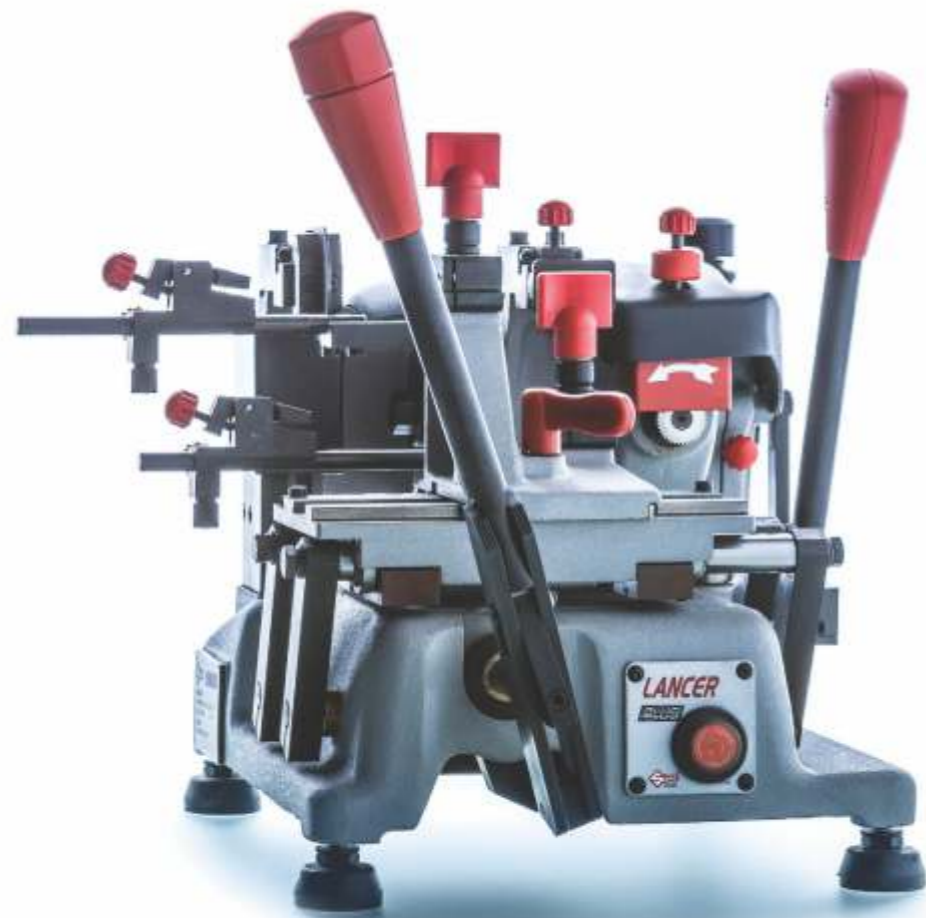
Omnia W-Max: vertical cuts carriage



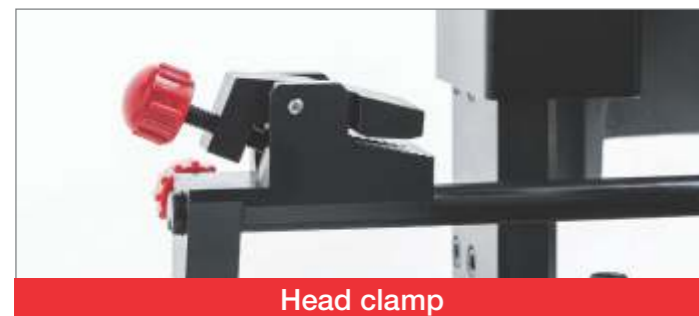
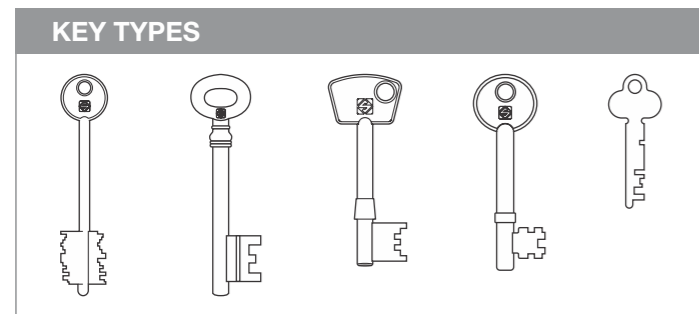
Omnia Max/Omnia W-Max:chrome-plated handles

# LANCER PLUS

FOR BIT AND DOUBLE BIT KEYS AND KEYS WITH INTERNAL CUTS



- 2-sided, rotating clamp
- HSS cutter for frontal and side cuts
- Synchronized movement on 3 axes
- Cutter activation microswitch
- Keys with internal cuts duplicated without removing the key
- Weight kg 33



# CROWN

FOR SPECIAL KEYS



KEY TYPES	OPTIONAL	MODELS:
	<p>Numerous optional tools available</p>	<p>Crown T10 Crown T15</p>

FEATURES IN COMPARISON	CROWN T10	CROWN T15
Clamp T10	•	Optional
Clamp T15		•
Interchangeable optional clamps	•	•
Self-centering clamp	•	•
Clamp for cutting keys all-round (360°)	•	•
Preset angled positions	6 pos. every 60° - 8 pos. every 60°	6 pos. ogni 60° - 8 pos. ogni 45°
Diameter of tubular keys that can be installed	from ø 9,2 to ø 10,2	from ø 6 to ø 12,5
Standard cutter diameter	ø 5,95	ø 2,5 - ø 5,95
Selector for angled position	•	•
Block for angled rotation	•	•
Weight	kg 15,5	kg 15,5



# COMPARISON TABLE OF KEY CUTTING MACHINES BASED ON KEY TYPE



MECHANICAL KEY CUTTING MACHINE	SINGLE SIDED FLAT KEYS	DOUBLE SIDED FLAT KEYS	CRUCIFORM KEYS	LASER KEYS	DIMPLE KEYS	BIT/DOUBLE BIT KEYS	PUMP KEYS	TUBULAR KEYS	KEYS WITH INTERNAL CUTS	KEYS WITH VERTICAL CUTS	BRICARD TYPE KEYS (XBD3, XBD4, XBD7)
Bravo Bd Évolution	●	●	●								●
Bravo D12	●	●	●								●
Bravo Evolution	●	●	●								●
Bravo Maxima	●	●	●								●
Bravo Maxima Plus	●	●	●								●
Bravo Professional	●	●	●								●
Bravo Sofer 2P	●	●	●								●
Bravo W-Max	●	●	●								●
Crown T10								●			
Crown T15								●			
Delta 2000 A	●	●	●								●
Delta 2000 FO											
Delta 2000 MC											
Duo	●	●	●				●			●	●
Duo Plus	●	●	●				●			●	●
Duo Power	●	●	●				●			●	●
Duo Sofer	●	●	●				●			●	●
Fastbit						●	●			●	
Fastbit II						●	●			●	
Flash 008	●	●	●								
Flash 008 Extra CEE	●	●	●								
Lancer						●	●		●	●	
Matrix Evo				●	●			●			
Matrix One				●	●						
Matrix Pro				●	●			●			
Omnia						●	●			●	
Omnia Max						●	●			●	
Omnia W-Max						●	●			●	
Omnia 650 rpm						●	●			●	
Poker Plus/S	●	●	●								
Poker S	●	●	●								
Rekord	●	●	●								●
Rekord AY											
Rekord D12	●	●	●								●
Rekord S	●	●	●								●
Rekord Sofer	●	●	●								●
Speed	●	●	●								●
Speed S	●	●	●								●
Swift				●	●			●			
Swift Plus				●	●			●			
Twister II				●	●			●			

● Can be duplicated ● Can be duplicated with optional accessories

# COMPARISON TABLE OF KEY CUTTING MACHINES BASED ON KEY TYPE



TIBBE TYPE KEYS: FORD/JAGUAR (FO19)	TIBBE TYPE KEYS: FORD/JAGUAR (FO21)	ABLOY TYPE KEYS (AY1, AY2)	ABUS GRANIT/LUMA TYPE KEYS (AB32, AB38)	SOFER TYPE KEYS	AVA/CHUBB TYPE KEYS (ACH1, ACH2, ACH3)	FICHET H TYPE KEYS	BRICARD TYPE KEYS (BD100, BD101, BD102)	ASSA D12 TYPE KEYS	MIWA TYPE KEYS (MIW1, MIW2, MIW3)	SIMPLEX TYPE KEYS	MAIL BOX TYPE KEYS	MECHANICAL KEY CUTTING MACHINE
				●			●	●				Bravo Bd Évolution
				●				●	●	●		Bravo D12
				●				●	●	●		Bravo Evolution
				●				●	●	●		Bravo Maxima
				●				●	●	●		Bravo Maxima Plus
				●				●	●	●		Bravo Professional
				●				●	●	●		Bravo Sofer 2P
				●				●	●	●		Bravo W-Max
												Crown T10
												Crown T15
				●					●	●		Delta 2000 A
●	●	●	●									Delta 2000 FO
●	●	●	●									Delta 2000 MC
	●	●	●	●					●	●	●	Duo
●	●	●	●	●	●				●	●	●	Duo Plus
	●	●	●	●	●				●	●		Duo Power
	●	●	●	●	●				●	●	●	Duo Sofer
											●	Fastbit
●	●	●	●								●	Fastbit II
				●					●	●		Flash 008
				●					●	●		Flash 008 Extra CEE
					●						●	Lancer
												Matrix Evo
												Matrix One
												Matrix Pro
											●	Omnia
											●	Omnia Max
											●	Omnia W-Max
											●	Omnia 650 rpm
										●	●	Poker Plus/S
										●	●	Poker S
										●	●	Rekord
												Rekord AY
										●	●	Rekord D12
										●	●	Rekord S
										●	●	Rekord Sofer
										●	●	Speed
										●	●	Speed S
●	●											Swift
●	●											Swift Plus
												Twister II

● Can be duplicated ● Can be duplicated with optional accessories

# ENGRAVING KIT



**Make your business incisive with the exclusive Engraving Kit and boost the potential of your Futura/Futura Pro.**

The Engraving Kit is a set of accessories dedicated to engraving, compatible with all the Futura and Futura Pro key cutting machines. The special jaws, together with the adapter supplied, make it easy to install a wide variety of metal keys, small medals and plates, whilst the free software has been developed to guide you step-by-step through the creation and management of customised engraving models, designed for a vast range of references both from Silca and others.

## OPTIMISED ENGRAVING FOR A WIDE RANGE OF KEYS, SMALL MEDALS AND PLATES.

The special jaws compatible with the 01R clamp and the plane 4 adapter are designed to facilitate the installation of a vast array of metal and aluminium Ultralite keys, small medals and plates, and feature 4 areas (or planes) for engraving items of different dimensions:

- Area 1: 26-32mm x 40mm;
- Area 2: 20-26mm x 40mm;
- Area 3: 8-14mm x 40mm;
- Area 4: 14-20mm x 40mm.

## PRE-SET USER MODELS AND GUIDED PROCEDURES

The software includes over 220 default user models for just as many Silca references (keys, medals and plates), which identify the areas for inserting the text you want to engrave. For each reference, you can select the depth of the incision, whilst the software indicates the jaw step you should use.

## KIT COMPONENTS

The Engraving Kit is compatible with all the Futura and Futura Pro\* models and includes:

- The 01E jaw (D748737ZB);
- The 02E jaw (D748739ZB);
- The plane 4 adapter (D750763ZB);
- The 18DW cutter (D748741ZB).



## MANAGEMENT OF USER MODELS

The software allows you to create customised engraving models through a user-friendly editor that enables you to add text areas, both on the front and rear of the key or medal, and to adjust their size and position within pre-set parameters.

## ENGRAVING OTHER REFERENCES

With the command 'Customised' you can create new engraving models, not yet present in the database, by defining the available area. You can create a rectangle (typically used for engraving the blade) and a circle (typically used for the key head).

## PRACTICAL USE OF THE ENGRAVING FEATURE

All the user models can be accessed both from the 'Engraving' main menu of the software and from the 'Cut' menu

to engrave a compatible reference.

## OPTIMISED PROCEDURES WITH THE JOB QUEUES

The software also manages job queues, with which you will be able to set the cutting/engraving parameters of a series of keys and, afterwards, process them. Depending on your needs, you can engrave all the keys first and then cut them, or vice versa. This will result in an optimised duplication with a significant reduction of time spent installing accessories.

## QUALITY PERFORMANCE

The machine performance, in terms of engraving quality, varies according to the speed of the cutting tool:

- 7100 rpm for the Futura key machines;
- 12100 rpm for the Futura Pro key machines.



\* The Engraving Kit is compatible with: Futura, Futura Japan, Futura One, Futura Automotive, Futura Automotive Token, Futura Pro, Futura Pro Japan, Futura Pro Automotive, Futura Pro Automotive Token, Futura Pro One.



# ELECTRONIC KEY CUTTING MACHINES

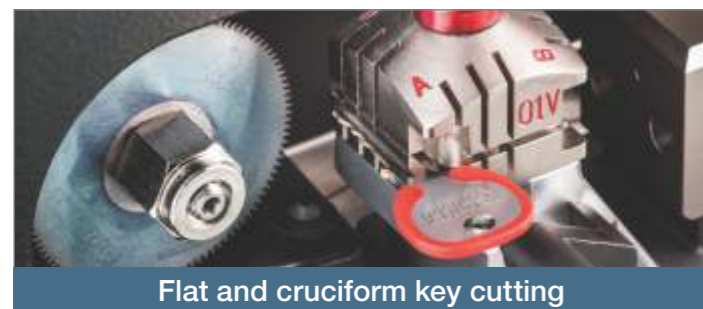


- Lightweight and compact
- Long-lasting components
- Highly reliable
- Silca precision and design
- Tablet supplied
- Fast cutting cycle
- Software updates always available
- Best selling machine with double cutting station

**MODELS:**

- Futura Pro
- Futura Pro Engraving
- Futura Light
- Futura Edge
- Futura Auto

FUTURA KEY TYPES											ENGRAVING							
See the comparative table at the end of the electronic key cutting machine section to identify the key types cut by each model											Cut with dedicated optional accessories				Standard equipment for Futura Pro Engraving. Optional equipment for Futura Pro, Futura Pro Automotive, Futura Pro One			



Flat and cruciform key cutting



Laser and dimple key cutting

FEATURES IN COMPARISON	FUTURA PRO	FUTURA PRO ENGRAVING	FUTURA LIGHT	FUTURA EDGE	FUTURA AUTO
Nickel-plated, 4-sided clamp for flat keys	•	•	•	•	•
Nickel-plated clamp for laser and dimple keys	•	•	•		•
Retractable tracer point for laser and dimple keys	•	•	•		•
Interchangeable jaws of the clamp for laser and dimple keys	•	•	•		•
Cutter speed for laser and dimple keys	12100 rpm	12100 rpm	12100 rpm		12100 rpm
Prismatic cutter speed for flat keys	1585 rpm	1585 rpm	1585 rpm	1585 rpm	
Detection of the gauge for flat keys	•	•	•	•	
Detection of the mobile tracer	•	•	•		•
Patented rotating system of the flat key clamp	•	•	•	•	•
Flat key decoding through patented optical reader	•	•	•	•	
Assisted double sided flat key decoding	•	•	•	•	•
Cutting shaft for broken keys	•	•	•	•	•
Complete automotive equipment			•		•
Residential key database	•	•	•	•	
Automotive key database	•	•	•	•	•
Automatic calibration system	•	•	•	•	•
6 months free database software updates	•	•	•	•	•
Customer code tables import	•	•	•	•	•
Software functions for engraving	•	•	•		•
Engraving Kit		•	Optional	Optional	Optional
Favourite cards management	•	•	•	•	•
Flat key copy by original	•	•	•	•	
Removable 10" tablet	•	•	•	•	•
Patented tablet stand	•	•	•	•	•
Protective shield that slides back inside the machine	•	•	•	•	•
Weight	20 KG	20 KG	20 KG	20 KG	20 KG



Automotive laser key cutting



Engraving of keys and medals

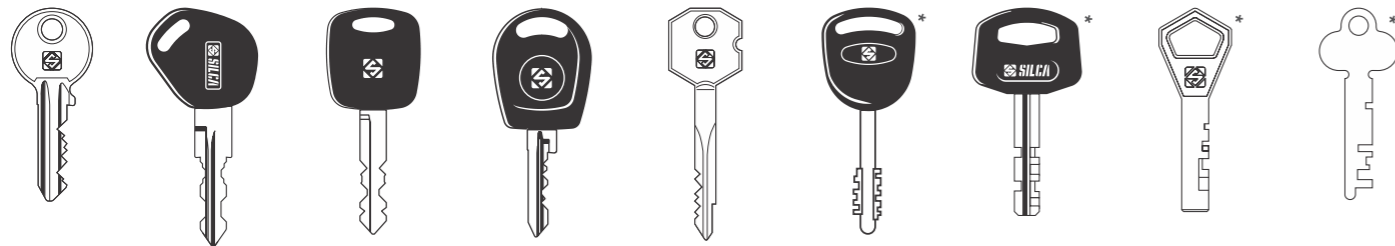
# UNOCODE PRO

FOR FLAT, VEHICLE AND CRUCIFORM KEYS



- Top performance, precision and quality
- Widia cutter with AlCrN coating
- Patented laser decoder
- Patented dynamometric clamp knob
- Double clamp for copy by original and decoding
- Patented clamp blocking system
- Customisable speed of carriage movements
- Can be used in Stand Alone or with the Silca Code Program
- Various optional clamps and adapter
- Weight kg 38

### KEY TYPES



Can be duplicated with dedicated optional accessories



Nickel-plated, 4-sided clamps



Accessories area

# UNOCODE 399 PLUS

FOR FLAT KEYS WITH METAL HEAD



- Perfect for duplicating large quantities of keys and master key systems
- Accessible wide working area
- Pneumatic feeder with high production rates
- Sorter set (FIFO) for key collection (optional)
- Key stacker with high loading capacity (optional)
- Swarf vacuum system (optional)
- External device with start/stop push button
- Can be used in Stand Alone or with the Silca Code Program
- .DAT file management for master key systems
- Weight kg 51

### KEY TYPES



Wide graphic display



Widia cutter with AlCrN coating

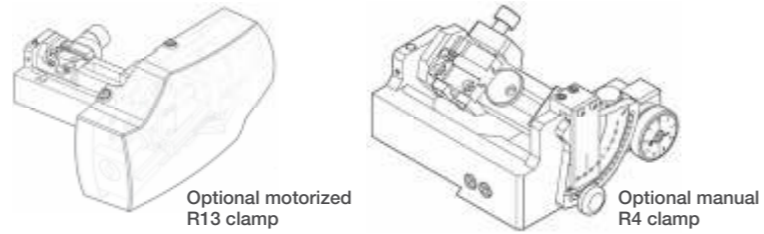
# TRIAX PRO

FOR LASER AND DIMPLE KEYS, AND ENGRAVING

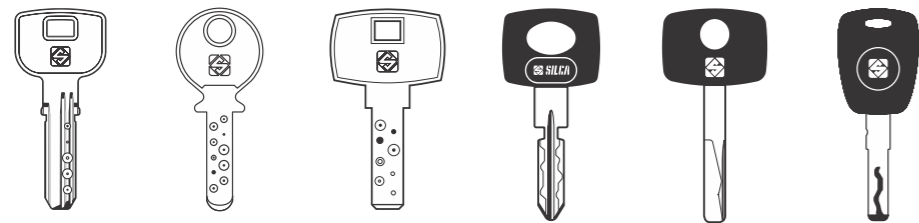


- Top performance, precision and quality
- Long-lasting components made of nickel-plated and stainless steel
- Cut keys counter for each cutter
- Easy-change jaws
- Quick-release cutter change system
- Weight kg 51,5

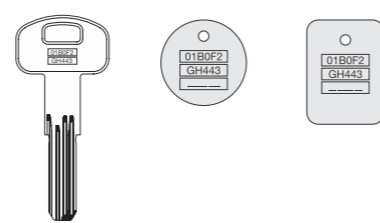
### OPTIONAL CLAMPS FOR ANGLED CUTS



### KEY TYPES



### ENGRAVING



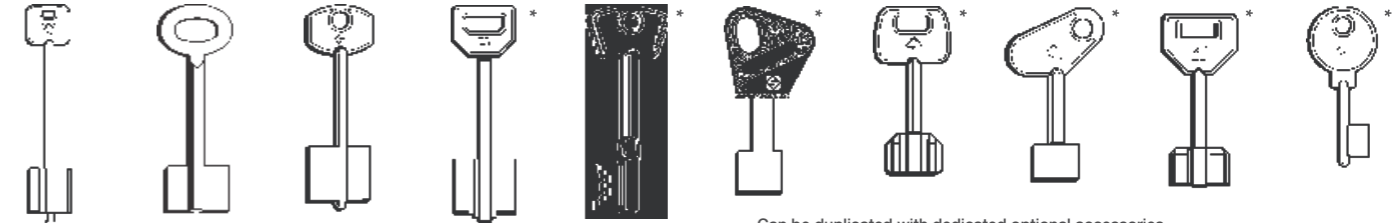
# IDEA

FOR BIT, DOUBLE BIT AND PUMP KEYS



- Precise results when cutting steel and brass keys
- 360° rotating clamp, compatible with many optional accessories
- Blank key detection by electric contact
- Various optional tools for pump keys, central stop keys and others
- Patented laser decoder
- Duplicates by original, by decoding and by copy
- Stand-Alone use or with Silca Idea Program
- Job queue management via PC
- Weight kg 43

### KEY TYPES



Can be duplicated with dedicated optional accessories



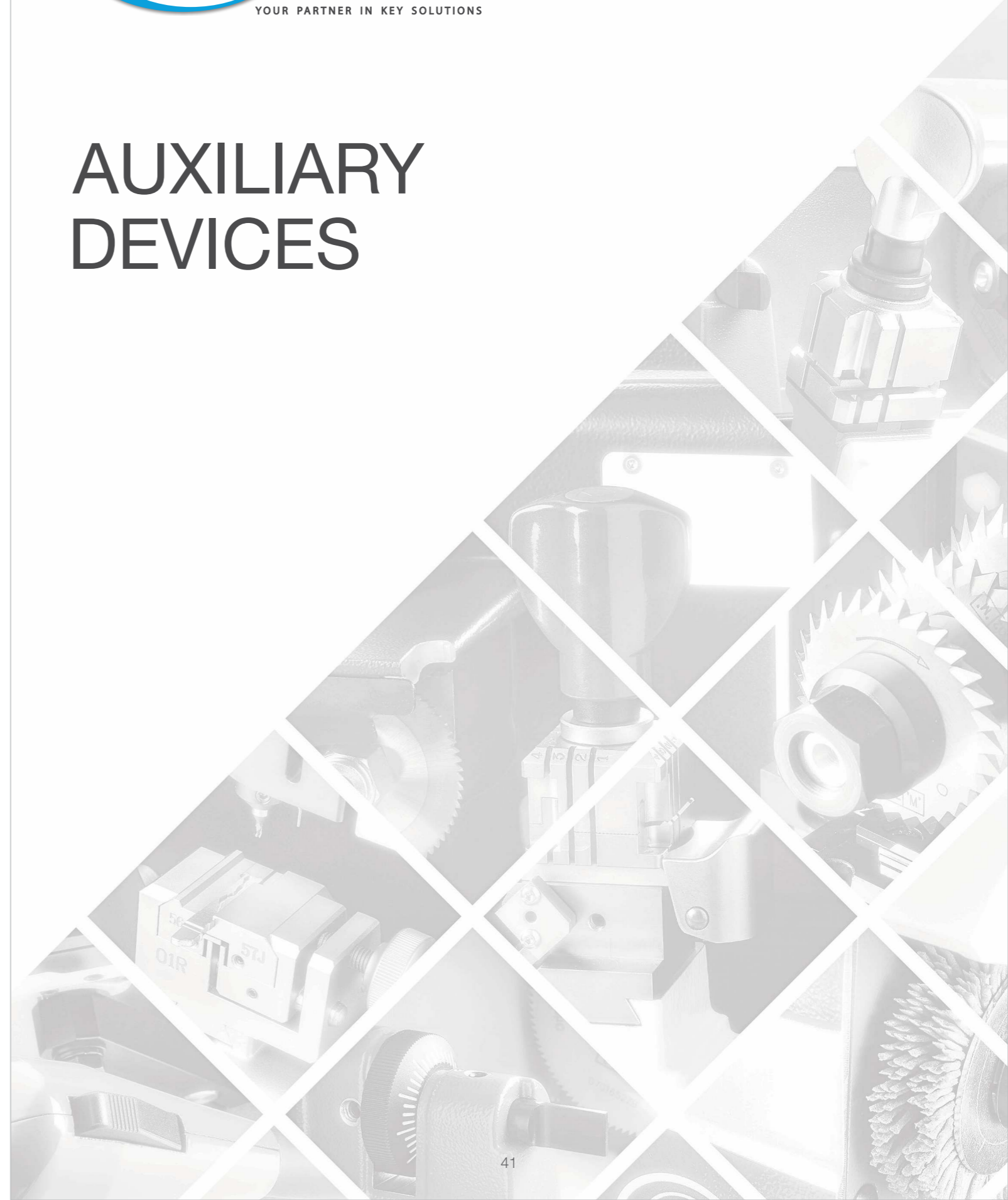
# COMPARISON TABLE OF KEY CUTTING MACHINES BASED ON KEY TYPE

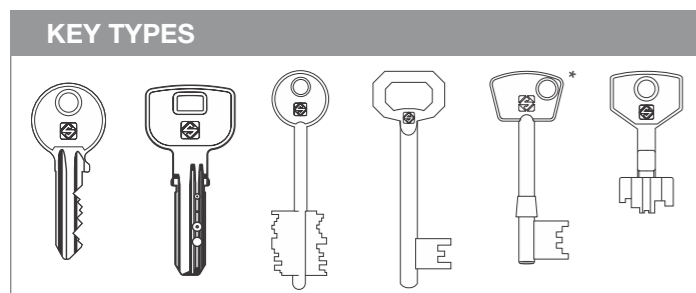


ELECTRONIC KEY CUTTING MACHINE	Futura Pro	Futura Pro Automotive	Futura Pro Engraving	Futura Pro One	Idea	Triax Pro	UC199	Unicode Pro	Unicode 399 Plus	Unicode 299 Plus
Single Sided Flat Keys	●	●	●	●			●	●	●	●
Double Sided Flat Keys	●	●	●	●			●	●	●	●
Cruciform Keys	●	●	●	●			●	●	●	●
Laser keys	●	●	●	●		●				
Dimple Keys	●		●	●		●				
Bit/Double Bit Keys					●					
Pump Keys					●					
Tubular Keys	●		●	●						
Keys with Internal Cuts										
Keys with Vertical Cuts										
Bricard Type Keys (XBD3, XBD4, XBD7)										
Tibbe Type Keys : Ford/Jaguar (FO19)					●			●	●	●
Tibbe Type Keys : Ford/Jaguar (FO21)	●	●	●	●	●	●	●	●	●	●
Abloy Type Keys (AY1, AY2)					●			●	●	●
Abus Granit/Luma Type Keys (AB32, AB38)					●			●	●	●
Sofer Type Keys							●			●
AVA/CHUBB Type Keys (ACH1, ACH2, ACH3)					●					
FICHET H Type Keys						●				
Bricard Type Keys (BD100, BD101, BD102)										
ASSA D12 Type Keys	●		●	●			●	●	●	●
MIWA Type Keys (MIW1, MIW2, MIW3)	●		●	●				●	●	●
Simplex Type Keys	●	●	●				●	●	●	●
Mail Box Type Keys								●	●	●

● Can be duplicated    ● Can be duplicated with optional accessories

# AUXILIARY DEVICES

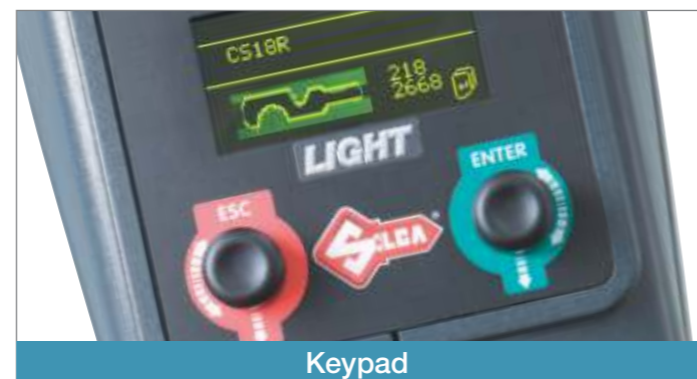




**MODELS:**  
Optika, Optika Light



Shading device for double bit keys



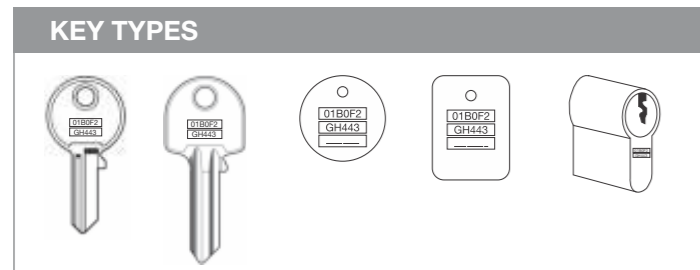
Keypad

FEATURES IN COMPARISON	OPTIKA	OPTIKA+KEY READER PRG.	OPTIKA LIGHT
Key profile reading	•	•	•
Management of alternative and comparative key profile lists	•	•	•
Comparative search type "fine"	•	•	
Comparative search type "std"	•	•	
Comparative search type "extended"	•	•	
Comparative search type "extra"		•	
Original profile and key cutting comparison type "fine"	•	•	
Original profile and key cutting comparison type "std"	•	•	
Original profile and key cutting comparison type "by user"	•	•	
Data exchange with Idea in Stand-Alone mode	•	•	•
Data exchange with Unocode 399 Plus via PC		•	
Ignore key cutting length function	•	•	•
Save customised profiles	•	•	•
Search lock manufacturer	•	•	•
Filter for reference market		•	
Direct comparison between two profiles		•	
Special search function for bent keys		•	
Key cutting reading and card search		•	
Full data base	•	•	
Management of references in stock	•	•	
Management of stock hooks	•	•	•
Recurring software updates	•	•	•
Unblocking: from Optika Light to Optika			•
Key Reader Program DVD included	•	•	
Regional database			•
Weight	kg 9	kg 9	kg 9



# PROGRAMING & CLONING DEVICES

- Engraves metal and aluminium items
- Long-lasting marking
- Can be used with Silca Marker Program
- Wide range of optional accessories including clamp for 3 keys and lock
- Weight kg 20







**Stand Alone/  
Personal Computer/  
Silca Trasponder  
Program**



**SILCA M BOX**  
100% guaranteed cloning solution for  
Megamos® Cryptos ID 48 Transponders  
® Registered Trade Marks

The Fast Copy Plus is the Silca transponder programming solution: accurate, easy to use, Reliable.

- Transponder Identification: detects if keys are equipped with Transponders or not, identifying the type of transponder.
- Transponder Reading : reads and displays alphanumerical fixed code Transponders. Can also identify different types of Crypto Transponders.
- Fast Copy plus is the unique device which can decode and

copy in stand alone mode the following types of transponders:

- Philips® Crypto ID40, ID41, ID42, ID44 and Id45;
- Transponder Philips® Crypto II Id46;
- Texas® Crypto ID4D;
- Texas® Crypto II and III ID6F and ID6A;
- Texas® ID4C fixed code;
- Temic®, Philips®e Megamos® fixed code transponders. Mains operated and portable unit (power supply through cigar lighter wire).

- Codes archiving unlimited when used with P.C. (Silca Transponder Program).
- Machine memory update via USB or RS232 connection.

Fast copy Plus is very user friendly : the 2-keys keyboard allows the user to interact with the machine quickly and easily.

## TEXAS 80 BIT CLONING

You can clone the Texas® 80 bit Toyota® transponders with RW4 Plus and Fast Copy Plus: no internet connection needed, works in stand alone mode. No need to buy new devices or software programs: Simply update existing software on current devices for free!



- All Makes Coverage
- Provide Roadside Programming
- Read & Clear Fault Codes
- Clear Key Memory
- Program Aftermarket & OEM Remote Key Fob's
- Program Keys
- Program Proximity / Smart Keys
- Program Remote / Flip Keys
- Read Immobiliser Pin Codes
- Read Pre-Code Data
- Display Live Data
- Component Actuation
- ECU Identification

Innovative 'Pay As You Go' Road side Key Programming.

The MVP Pro offers the same coverage / functionality as the world leading AD100Pro, but at a fraction of the cost. Using digital tokens, which are deducted when keys are programmed, makes the MVP Pro unique.

The MVP Pro is supplied with all available software FREE. Software is continually being developed by Advanced Diagnostics for most car manufacturers worldwide. When new software modules are released, they can be easily downloaded onto the MVP Pro free of charge via the internet.

Designed with simplicity in mind, the MVP Pro guides you through various processes for key programming & remote key fob programming, from the more

basic keys to proximity and smart keys across all makes of vehicles worldwide, on one programmer.

Most vehicle immobiliser systems require security access (Pin Code) to allow keys & remotes to be programmed. The MVP Pro reads many Pin Codes & where they cannot be read, Advanced Diagnostics offers a service to customers to obtain a range of Pin Codes online.

The AD100Pro car key programmer is the leading key and remote programmer for all makes and models world wide. The AD100Pro is ideal for auto technicians and locksmiths providing high quality key and remote programming services.

Designed with simplicity in mind, the AD100Pro simply guides you through various processes for key

& remote fob programming from the more basic keys, to proximity and smart keys.

Some vehicle immobiliser systems require security access (Pin Code) to allow keys / remotes to be programmed. The AD100Pro can read many Pin Codes, and where they cannot be read, Advanced Diagnostics offer a service to customers to obtain Pin Codes.

The software coverage offered by Advanced Diagnostics is extensive and developed for all makes of vehicles. Currently, our list of software consists of over 60 car manufacturers worldwide. The software modules can be purchased as required and downloaded easily online direct onto the AD100Pro 24hrs a day.



## SEMI-INDUSTRIAL KEY CUTTING MACHINES

The Silca Remote Car Key is an unique quality-styled, compact remote that, once programmed, duplicates the functions of the original key. It features three push buttons for lock, unlock and boot release and incorporates a space-saving retractable Silca quality blade.

The Silca Smart Remote Programmer is the device that pre-sets the new remote key. It takes the specific vehicle data necessary to pre-set a new key from the dedicated SRP software via a PC or mobile device and writes it onto the remote key in seconds via NFC technology.

TECHNICAL DATA	
Power Supply	The device is powered via the USB cable connection or with 4 alkaline batteries type AA (supplied). Input Voltage: 6V, Input power: 0.9W, Input current: 150mA
Antenna field	NFC antenna: 13.56 MHz Bluetooth
Frequencies	Antenna: 2.45 GHz
Dimensions	Width: 145 mm, Depth: 84 mm, Height: 30 mm
Weight	181 gm

### Features -

The complete solution for duplicating car remotes

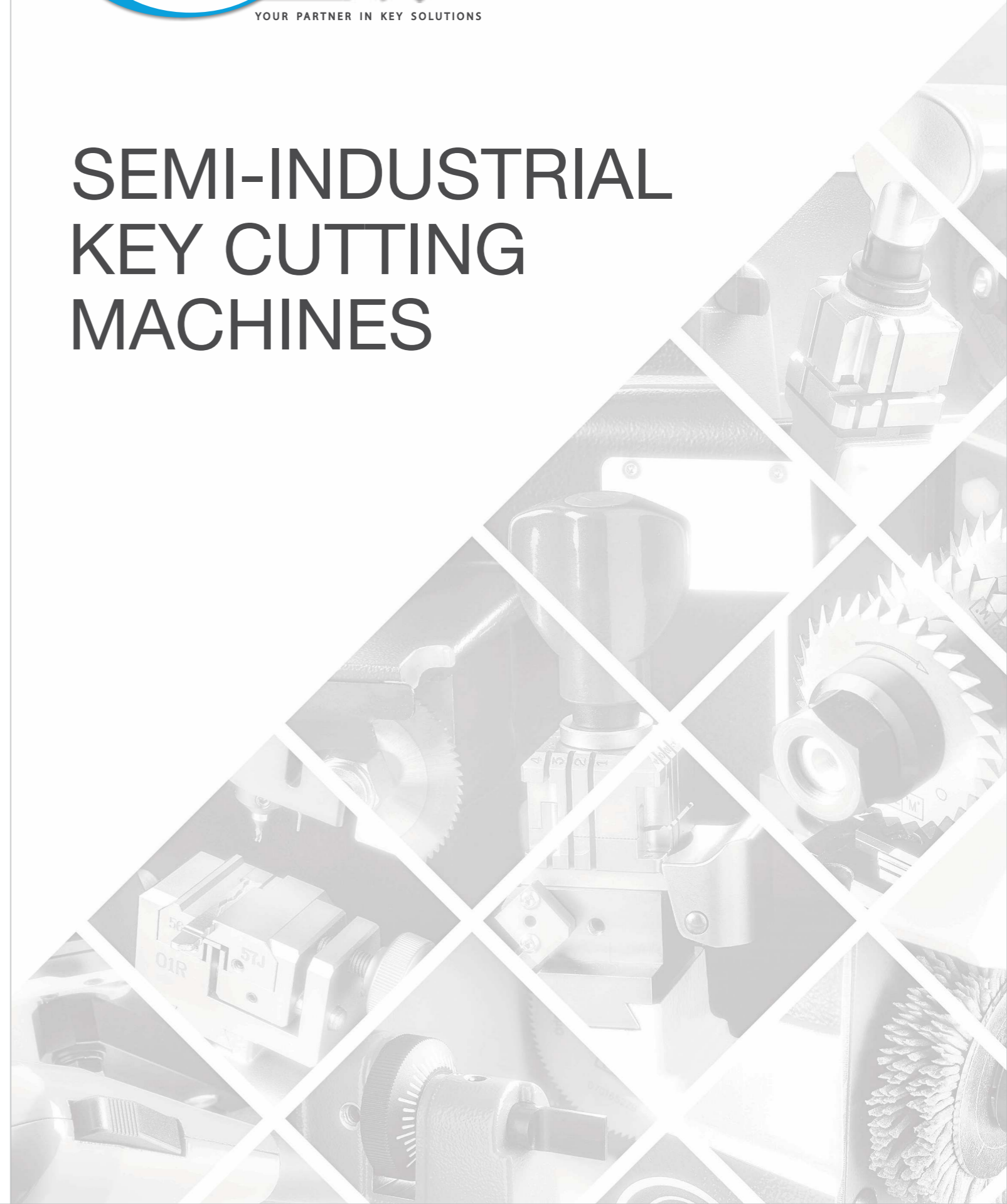
- Wide vehicle coverage from a low inventory. : around 350 vehicle models can be programmed from only 6 key variants.
- Quick and easy to use with no

physical connection needed, It operates automatically via the user-friendly SRP software and applies the NFC technology, a Silca patented application, to write the data onto the Remote Car Key.

- Fully compatible with Silca quality FH key blades and range of transponders.

- No tokens needed. You can pre-set as many keys as you want.

- Modern design with quality 'feel' .The Silca Remote Car Key is made with long-lasting components, features a robust flip mechanism and applies tested technologies to guarantee perfect functioning.





- Fully automatic
- Modular and customizable
- Double station for cutting flat, dimple and laser keys, and for engraving
- Vertical stacker for large quantities of keys
- The best solution for cutting MKS (Master Key Systems)
- Integrated key sorter
- Tilting clamp
- Automatic engraving
- Stack light
- Swarf vacuum system



Removable storage unit



Automatic feeder

ELEMENTI DI CONFRONTO	M159 PLUS	M059 PLUS	D159 PLUS	D149 PLUS	F039 PLUS	E049 PLUS	S169 PLUS	R069	S169	M159	M157	M059	M057	D159	D057	D149	D047	F039
30% faster	●	●	●	●	●	●	●											
Tool changer with 6 positions	●		●	●			●		●	●	●			●		●		
Flat and dimple key cutting station	●	●					●		●	●	●	●	●					
Dimple key cutting station			●	●										●	●	●	●	
Flat key cutting station					●	●		●										●
Tilting clamp	●	●	●							●	●	●	●	●	●			
Fixed clamp				●		●	●		●							●	●	
Engraving with diamond tips	●	●	●	●	●					●	●	●	●	●	●	●	●	●
Engraving with cutter						●	●	●	●									
Abloy® key cutting station							●	●	●									
Sorter tray	●	●	●	●	●	●	●	●	●	●		●		●		●		●

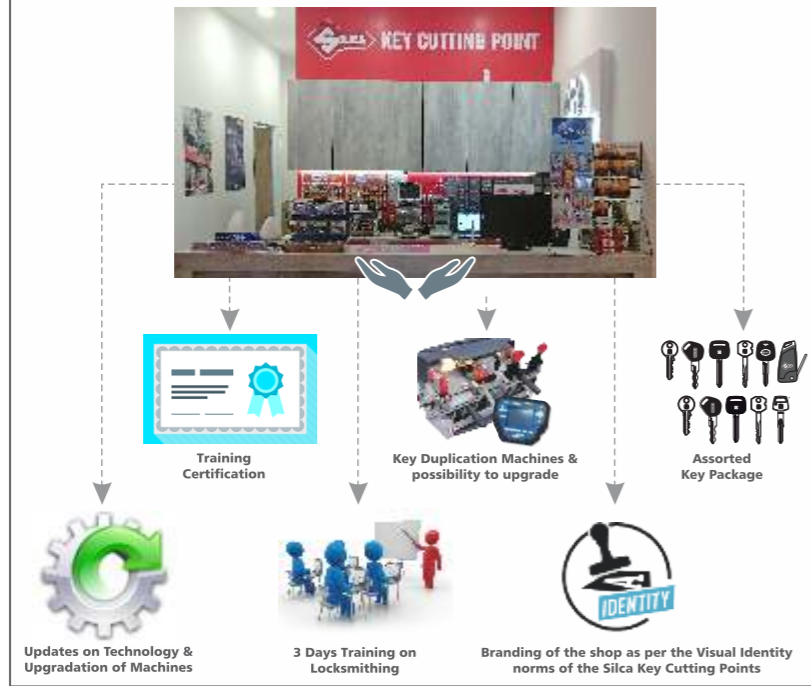


Tool changer with 6 positions

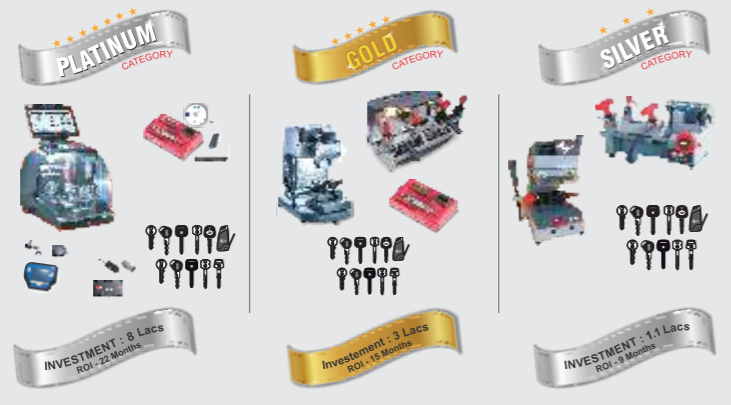


Pincer

## CUSTOMER SUPPORT



## BUSINESS MODELS



## AREA REQUIRED



9sq/m



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