



Idea



Idea

The Silca Idea is the proven, unique, automatic solution for duplicating bit, double-bit, pipe and pump keys both by copy and by code.

The precision and simplicity offered by Idea are the result of Silca's long experience in collaborating with customers to design equipment meeting the needs of the most demanding key cutting professional.

Automatic operation

Idea carries out a series of operations in the duplication process automatically such as:

- progressively creating the radius on the bit profile
- precisely identifying the key dimensions using electrical contact
- calibration of the axes
- calibration of the optical laser reader



Automatic calibration

Stand-alone or use with a PC

Silca Idea works both in stand-alone or together with a PC using the Silca Key Program (SKP). SKP allows the machine's potential to be fully exploited with unique features like:

- job queue planning
- managing customer archives
- creating customized cutting systems

Single operation cutting

The universal clamp rotates 360° meaning that both sides of the key are cut in one single operation.



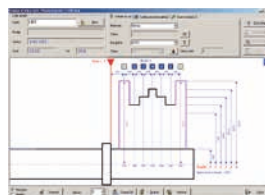
360° rotating clamp



Optical laser decoder

Optical laser decoding

The original key is read with absolute precision and repeatability thanks to the patented laser optical reader. Contactless decoding means no risk of damage to the original key.



Replace worn or damaged keys

Both with a PC or in stand-alone using the machine keyboard, it's possible to carry out all the cutting operations including reconstruction of a broken key.

Adjustable carriage advancement speed

The possibility to select different cutting speeds for keys in different metals protects the cutter and aids duplication precision.

Universal key grip

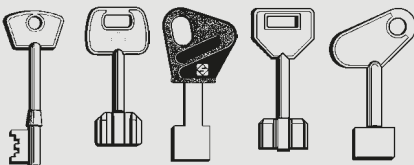
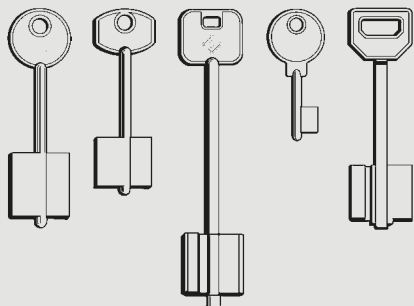
The grip is designed to hold a wide range of original keys with stems of different diameters allowing them to be positioned rapidly and accurately.



Universal key grip

Idea

Silca Idea duplicates bit, double bit, pipe and pump keys.



CE Idea is designed and produced entirely to CE mark European standards

Technical Data

Motor: Single phase with heat probe

Power supply: Single phase 230V/50Hz

Clamp: 360° rotating universal, controlled by magnetic positioning sensor

Movements: On 3 axes controlled by ball screws activated by stepper motors on roller guides

Cutter speed: 800 rpm

Axes runs: X=37 mm, Y=40 mm (B=360° rotation)

Dimensions: Width: 400 mm, Depth: 520 mm, Height: 450 mm (with shield raised: 720 mm)

Weight: 46.4 Kg

Idea - Plus



Optical laser decoder



Single operation cutting



Reconstruct damaged keys



High-precision key cutting



Automatic calibration



Silca quality and design

SILCA S.p.A. Via Podgora, 20 (Z.I.) - 31029 Vittorio Veneto (TV) - Italy
Telephone +39 0438 9136 Fax +39 0438 913800

www.silca.biz



ilco

ADVANCED DIAGNOSTICS

dormakaba Group

In compliance with current regulations relating to industrial property, we hereby state that the trade-marks or trade names mentioned in this document are the exclusive property of authorized manufacturers of locks and users. Said trade-marks or trade names are nominated only for the purposes of information so that any lock for which our keys are made can be rapidly identified. This document is reserved exclusively for professional key cutters who use Silca products. / All information and illustrations in this document are for guidance only. Silca reserves the right to alter products designs, dimensions or info to improve the products quality. The contents of this document are fully protected by Copyright and may not be copied or reproduced in any form, without written permission from Silca S.p.A. Any controversy shall be settled by the Courts of Justice where the company has its headquarters, with express exclusion of any other court.

P732-DEPLIANT IDEA GB
 8 003737 152339 4