

SIGMA PRO

INNOVATORS BY DESIGN



SINCE 1770

 **KEYLINE**

Innovators by design | Since 1770

A BIANCHI 1770 GROUP COMPANY

SIGMA PRO

Sigma Pro is a high-speed electronic key cutting machine for bit, double bit, pump and special, angular cut keys. The graphic interface and colour touch screen controls make it easy to use for any operator, and, at the same time, give access to advanced software tools that are essential for the more expert and demanding users.

The original key is read quickly and the ready installation of the blank, without further adjustments and without the use of any tools, make the key cutting cycle quite short. The bitting is read in a few seconds, thanks to the machine's innovative visualisation system, that can recognise and correct automatically the shifts and inclination of the key as against the optimal position. A second, in-depth reading function is also available, that makes it possible to make several corrections, in the case of worn or damaged keys, while the key is being cut. The key to be read is locked in place by a single-locking point jaw. Sigma Pro can cut a wide range of keys, thanks to the additional, easily exchangeable jaws.

TECHNICAL FEATURES

Power Supply	AC 100-240 V, 50-60 Hz
User Interface	7" resistive colour touch screen, 16:10, resolution 800x480 px, VGA
Electronic Equipment	Mainboard with 600 MHz CPU GEODE, 512 MB RAM, static memory on compact flash 4 GB, high resolution axes control
External Connections	1 USB 2.0 port; 1 RS485 serial port; 1 Ethernet port; 1 VGA port
Key Reading / Decoding System	Static reading from digital image (Optical + CCD)
Lighting	LED-lighted cutting bay
Movements/Axes	3 axes guided by stepper motors
Jaws	Equipment in relation to specific markets
Motor	Brushless
Cutter	In Widia \varnothing 100x1,25 mm
Cutter Speed	900-1800 rpm (variable speed according to the programmes)
Absorption	500 W (70 W in stand-by)
Dimensions	Width: 500 mm / Depth: 440 mm / Height: 450 mm (600 mm when the housing is open)
Weight	45 kg

The USB, Ethernet and serial ports configuration makes it possible to connect the machine to external multimedia systems, thus simplifying the software and database updates.

Its next generation software includes several very useful functions, including the management of multiple users, the saving of the cut keys, the importing of customised data, an on board user manual and the possibility of downloading the updates from the net.

The Card Maker function makes Sigma Pro indispensable for any locksmith. The machine has multilingual support and is versatile and appropriate for the international market.



Sigma Pro 是一款快速运转的电子钥匙配制机，用于配制旗杆钥匙、双面旗杆钥匙、扁型钥匙和需要切割角度的钥匙。触摸式彩色屏幕的界面图案和控制键使所有的操作人员使用时简单，但是为专业用户和要求严格的用户提供必需的具备先进软件的设备。快速认读原装钥匙，安装钥匙坯无需任何调节，无需使用特殊的工具，这些特点使钥匙的配制循环变得非常的短。

通过一套新的视观系统，该机器对钥匙的编码的读取仅需几秒钟，它可以自动识别钥匙相对理想位置的移位和倾斜并进行纠正。此外还具备第二种深入读取数据的方式，即对磨损或损坏的钥匙可以进行不同的修正。需读被取密码的钥匙卡在一控制夹钳上，夹钳配有单一合口夹头。

Sigma Pro 适用于快速配制一系列的钥匙，主要因为可以快速替换其他品种的夹钳。配备USB端口，以太网端口和串行端口，使机器可以与外部多媒体系统连接，方便机器的软件和数据库的更新。此外Card Maker的功能使Sigma Pro 成为锁匠不可缺少的仪器。多语言的支持使机器变得更多的使用功能，更适用于国际市场。

技术特点

电源	AC 100-240 V, 50-60 Hz
用户界面	VGA, 7" 彩色电阻触摸屏, 屏幕比例 16:10, 分辨率 800x480, VGA
电子配置	主板采用600MHz的GEODE CPU, 512 MB RAM, 静态内存为4 GB 的紧凑型闪存, 高分辨率轴控制。
外部连接	1个USB 2.0, 1个RS485串行端口, 1个以太网端口, 1个VGA端口
密钥读取 / 解码系统	静态阅读数字图像 (光学+CCD读取系统)
照明	切割处LED照明
运动 / 轴	由渐进引擎引导3轴
夹钳	针对特定市场的设备
引擎	无刷式
切刀	由Widia \varnothing 100x1.25 毫米
刀速	900-1800 rpm (速度根据程序变化)
耗电量	500瓦 (70瓦 待机)
尺寸	宽度: 500 毫米 / 深度: 440 毫米 / 高度: 450 毫米 (安全盖打开时 600 毫米)
重量	45 公斤



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