

SD MARK

Human dimension of technology



Slim 4.0
COMPATIBLE



SDMARK — 激光鞋楦标记系统 — 制鞋业的一项划时代创新程序。

S.L.I.M. 4.0软件的打标模块，通过虚拟3D模型信息处理，能够将激光头下的鞋楦定位数据，通过6轴处理，发送给机械手。

在鞋楦的燕尾槽上放置一个小金属板，通过气动夹紧装置，机械臂能提起鞋楦，并将其置于激光头下。通过这种方式，可以在鞋楦表面的某个位置上做标记，改善鞋子的装配环节。

样式线、材质、尺子、尺码、品牌标识和二维码(由软件生成)都是能够识别鞋楦的有用信息。

另一个与机器人连接的工具模块，可以在标记周期结束时完成轻钻作业（例如在鞋楦的跟上）。

SD-MARK全自动标记，步骤可重复，任何可能由于实际技术或人工制造而造成的误差，都可以避免。



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技术数据/ TECHNICAL DATA



同时标记鞋楦数量/
N. of lasts marked at
the same time

1 l

标准楦的平均标记时
间/ N. of lasts
loadable onto the rack

4 l

安装功率/
Average marking time
for standard last

30 sec

安装功率/
Installed power

6 Kw

气压/ Air pressure

6 bar

机械手臂最大操作重
量/ Maximum weight
manageable by
robotic arm

5 Kg

重量/ Weight

2600 Kg

尺寸/ Dimensions

2900x2020
x2500h mm

SDMARK – laser marking shoe lasts system – the new era of innovation in the footwear production process.

The Marking Module of **S.L.I.M. 4.0** software, thanks to the virtual 3D model information processing, is able to send to a robotic arm, with 6-axis handling, the shoe last positioning data under the laser head.

A small metal plate is positioned on the shoe last dovetail. With a pneumatic clamping device, the robot picks the shoe last and perfectly positions it under the laser head. In this manner, it is possible to mark every sign in each point on the shoe last surface, in order to get the best shoe assembly: style lines, texture, rulers, size number, brand logo and also a Qr code (generated by the software) are all the useful information that can distinctively identify the shoe last model.

A further tool module, connected with the robot, can also complete light drilling operations (for example on the shoe last heel) at the end of the marking cycle.

SDMARK automates the marking phase, resulting in a complete repeatable process; any kind of possible inaccuracy caused by the actual technologies or manual manufacturing is deleted.



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