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MADE IN ITALY



Kentucky 4 HDN : fully automatic electronic machine suitable for cutted wires with sewed center stripe mops.

Description of the machine and of the working cycle:

The machine is equipped with a drive unit with a pneumatic clamp designed for precise measurement introduction of either cotton wires or Spunlace stripes through an external storage that uses a single reel for easy and reliable supply. The mop center stripe is provided by an external reel and is cutted by a transversal placed blade. A cut unit with an high speed disk blade provides a precise cut of the cotton wires which are subsequently placed above the center stripe and folded automatically. The machine can be optionally equipped with a label printer and a transport unit that provides the alignment and positioning of the label in the center of the product. A clamp with Cartesian axis movement takes the mop into the sewing zone providing the necessary movements for a correct seam. The sewing unit is an ALDER-DUERKOP with either single or double needle (sold as an optional) able to place a lockstitch (ISO 301) equipped with an automatic wire cut at the end of the sewing procedure. A second mobile unit equipped with a pneumatic clamp lifts the finished product and brings it toward the "Flow Pack" packaging machine (optional) that performs the automatic packaging. Never left alone with our internet remote assistance service, which allows a prompt and deep access to the core electronics and sensors of the machine, helping the customer and the manufacturer to understand and solve the issues. The Kentucky4 can be combined with a horizontal flow pack (optional).

Main strenghts:

- Electronic PLC driven machine coupled with a latest generation Touch Panel system with a user friendly interface to drive the machine and define al the production settings (speed and sewing shape)
- Fully automatic machine that doesn't need any manpower.
- Safety devices helps the customer in running the machine totally safe and compliant to current CE regulations
- Power requirement: 3.5Kw
- Compressed air pressure requirement: 7 bar (100PSI)
- Compressed air flow requirement: ~150NI/min
- Maximum production rate: 5 pieces / minute



Technical components used in our machinery		
PC - PLC and electronics	SIEMENS	made in Germany
Brushless motors and drivers	SIEMENS	made in Germany
Brushless motors and drivers	KOLLMORGEN	made in Germany
Electric components	SIEMENS	made in Germany
Electric brakemotors	MGM	made in Italy
Electric motors	CME	made in Italy
Pneumatics valves	SMC	made in Japan
Pneumatics	CAMOZZI	made in Italy
Bearing elements	SKF	made in Germany
Linear actuators	ROLLON	made in Italy
Coaxial gear reducers	WITTENSTEIN	made in Germany



肯塔基4 一种全自动电子机器，适用于生产带有裁剪线及中心涤纶丝带的拖把。

关于机器和工作周期的说明:

该机器配备了一个带有气动夹钳的驱动单元，气动夹钳的设计目的是通过一个外部贮存装置进行棉丝或水刺布条的精确测量引入，该贮存装置使用一个单面摇纱机，从而实现简单和可靠的棉丝或水刺布条供应。拖把中心布条是由一个外部摇纱机供给的，并且由一个横向放置的刀片进行切割。

对棉线进行精确切割是由一配备有高速圆盘刀片的切割单元进行的，随后将这些棉线放置在中心布条的上方，并对其进行自动折叠。

该机器可选择性地配备标签打印机和运输单元，以实现标签在产品中心的对齐和定位。

带有笛卡儿轴运动的夹钳将拖把带入缝纫区，从而实现正确接缝所需要的移动。

该缝纫单元是一个配备有单针或双针(可选购)的杜克普爱华缝纫机，它能够在缝纫程序的结束时安置一个配备有自动线切割器的锁缝(ISO 301)。

第二个配备有气动夹钳的移动装置将成品提升并将其移向执行自动包装程序的“流包”包装机(可选)。

有了我们的互联网远程辅助服务，您永远不会出现孤立无助的情况，它能够迅速而深入地接近机器的核心电子设备和传感器，以帮助客户和制造商理解及解决问题。

肯塔基4可与卧式包装机组合使用(可选)

主要优势:

电子PLC(可编程逻辑控制器)驱动型机器，并配备有最新一代具有用户友好界面的触摸屏系统，该系统可以驱动机器并能够定义所有生产设置(速度和缝纫形状)

不需要任何人的全自动机器。

安全设备帮助客户完全安全地运行机器，并符合现行的CE法规

功率要求: 3.5Kw

压缩空气压力要求: 7 bar(100 PSI)

压缩空气流量要求: ~150 NI/min

最高生产效率: 5件/分钟

