COSEDORA CRONOS ULTIMATE 4.0

Description:

The Cronos Ultimate 4.0 stitcher has been developed with a focus on enhancing Industry 4.0 functions, to further improve the efficiency of your production flow and the quality of your backlights, flags, displays, banners, etc.

It will allow you from the reading of a QR code to select the sewing program without operator intervention.

It is easy and fast to use, it will reduce the manufacturing time and increase your production, without the need of an expert operator, always obtaining the highest quality.

You will get high quality flat seams for keder, hemming, double hemming, contact seaming and many other applications sewn with the same machine configuration. The guides are customized for your application, adapting the machine to your usual production.

Technical specifications:

- Double needle sewing head.

- Conveyor belt synchronized with sewing speed

- Adhesive conveyor belt

- Industry 4.0

- Wifi or LAN internet connection

- Manual, semi-automatic and automatic working modes

- Machine length 2500mm

- Machine width 1700mm

- Machine height 1650mm

- Weight 150kg

- Electrical voltage (EU/US) 220V F+N // 50-60Hz

- Air pressure 5-6 bar

- Conforms to CE Safety and manufacturing standards

Features:

- QR code reader

- Control panel with 7" touch screen display

- Remote support by Internet, Wifi or LAN connection.

- Traceability and data.

- Production status.

- Quick and easy seam guide change - no tools required.

- Remaining bobbin thread control

- Automatic return of sewn material.

- LED illumination of sewing area

- Contact-locking tape unwinder*.

- Possibility to lock the conveyor belt to facilitate curved sewing.

- Additional foot pedal for operating the conveyor belt independently of the sewing operation.

- Foldable side for attaching an auxiliary table.

- Tractor rear roller - to help guide and transport heavy fabrics.

- Tension-free flat profile prefeeder (SEG, keder)

- Hands-free device.

- Programmable pneumatic flat profile tensioner (SEG, keder)

- Electronic and programmable yarn tensioning device.

- Speed reduction sensor for end-of-weaving detection. end of fabric.

- Keder cutting sensor integrated in the fabric guide for maximum precision.

- Automatic flat profile advancement

- Extraction device

- Basket for material collection

- Storage of bobbins and funnels

- Drawer under the conveyor belt for easy access to storage

- Needle cooling

- Production working status - Working hours information on touch panel display.

- Maintenance warning

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Advantages:

- QR code reader: the information contained in the QR code (manufacturing order, item and article) ensures the traceability of the product.

- QR code contains information of the program to be used for the sewing of the piece, thread tension, keder tension,... avoiding errors and/or quality problems.

- 7" color touch screen, ergonomic with adjustable positions to the operator's position.

- Remote access to the software through Wifi or LAN connection, for programming, production data,...

- Traceability: Data and production history (production orders, items, articles, operators, programs, etc. ....) are recorded in the machine. This data can be exported to Excel for analysis and/or integration into your ERP.

- Remote support: Matic engineers can log in to resolve software or production issues.

- Keder sewing at maximum precision, thanks to the electronically controlled pneumatic tensioner that allows to adjust the tensions individually for each side.

- The guides are customized for each application - they will be adapted to your production requirements.

- The fabric returns automatically on the conveyor belt when the seam is finished: faster production, less operator intervention.

- The conveyor belt is made of an adhesive material to prevent light fabrics from slipping and to transport heavy fabrics.

- Quick and easy change of working modes from the touch panel display.

- Programmable sewing interval for banners

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