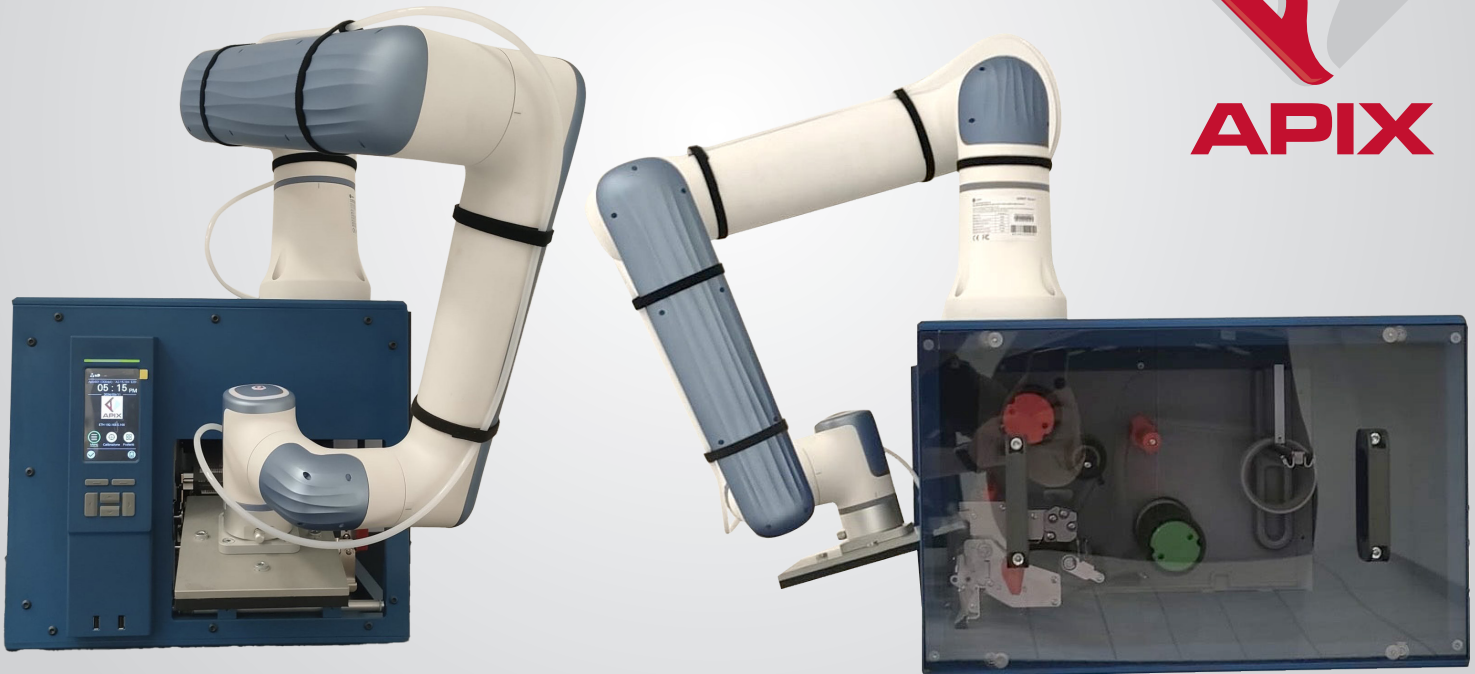




APIX COBOT

Cobot for the automatic label application

Innovation in Collaborative Labeling: Precision, Safety, and Flexibility

Apix Cobot represents the future of automatic labeling.

- ◆ A collaborative robot designed to operate safely alongside human operators, without the need for protective barriers. It detects human presence, ensuring a safe and fully integrated working environment.
- ◆ Equipped with advanced sensors, Apix Cobot ensures fast and precise labeling.

Applications and Industries

Apix Cobot is ideal for automatic labeling in industries such as:

- ◆ manufacturing,
- ◆ logistics,
- ◆ assembly,
- ◆ quality control

Pluriservice Spa

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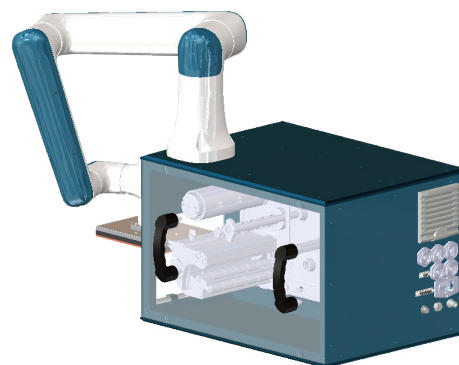
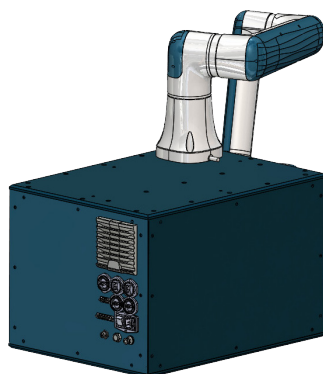
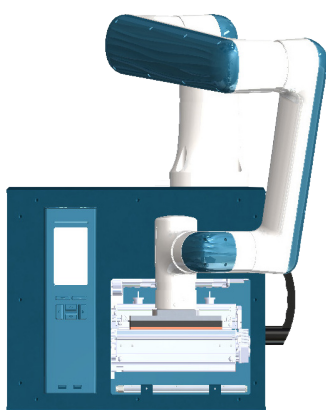
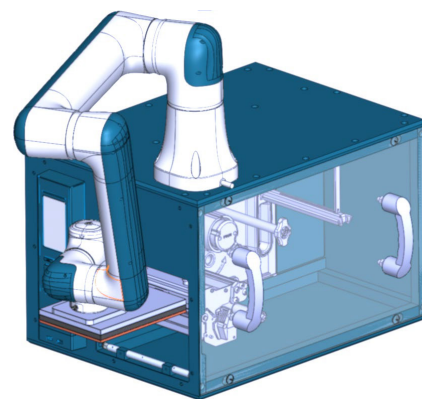
Tel. 0544 456669 - Fax 0544 688954

Capitale sociale i.v.: 1.000.000,00 €

commerciale@pluriservice.it

Advantages of Apex Cobot for Automatic Labeling

The bespoke software implements a **training mode** which allows an easy way to **change the various steps**. Activating training mode, an operator can drag the arm in order to place the label where needed saving the relevant positions. A **trained operator** can easily **change the position, rotate the label and change the label content**



Versatile

The **Apix Cobot** can also be mounted on top of two label printers, allowing not only the application of different labels as far as the content, but also regarding the **format/sizes of the labels themselves**.

Flexible

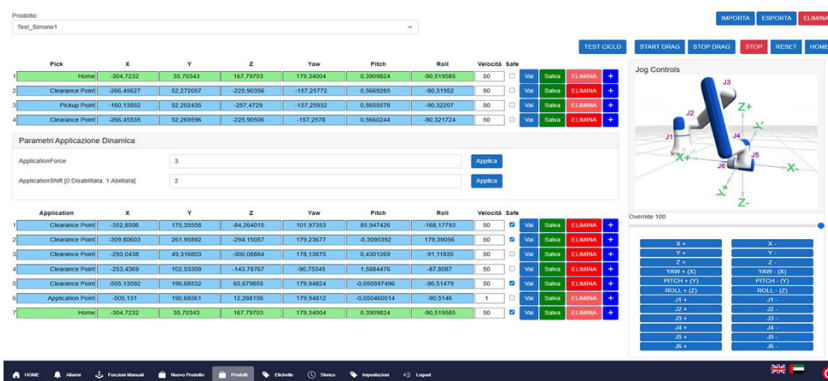
The mechanical arm of **Apix Cobot** can be positioned on the **top, left, or right side of the structure**, providing a wide range of motion to label a variety of products with different shapes and sizes.

Precise & Thorough

Once programmed the Apix Cobot is able to apply labels on the predetermined position with an extremely high **precision** (within **1mm**). It's also possible to equip the application plate with **cameras**, so that Apix Cobot will **actively look for and chase the position where to apply the label**.

Easy Programmable

Once programmed the Apix Cobot is able to apply labels on the predetermined position with an extremely high precision (within 1mm). It's also possible to equip the application plate with cameras, so that Apix Cobot will actively look for and chase the position where to apply the label.



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APIX COBOT - Technical Specifications

	Apix Cobot with Apix 251S Printer	Apix Cobot with Apix 601 printer
Resolution	8 dots/mm (203 DPI) or 12 dots/mm (300 DPI) or 24 dots/mm (600 DPI)	8 dots/mm (203 DPI) or 12 dots/mm (300 DPI)
Printing	Thermal transfer or direct thermal	Thermal transfer or direct thermal
Max printing speed	356 mm (14")/sec	305 mm (12")/sec
Max Printing Width	104 m (4.09")	168 mm (6.61")
Max Printing Length	25.400 m (1000")	14.732 mm (580")
Diameter Roll	203.2 mm (8") OD	203.2 mm (8") OD
Internal Rewinder	Internal Rewinder Kit (5" external diameter) (Reseller Option)	Internal Rewinder Kit (5" external diameter) (Reseller Option)
Nastro	Length 600m, max ext. diameter 90 mm, 1" nucleo (ink coated in or out)	Length 450m, max ext. diameter 81 mm, 1" nucleo (ink coated in or out)
Ribbon Width	25.4 mm - 114.3 mm (1" - 4.5")	50,8 mm ~ 178 mm (2" ~ 7")
Media Type	Continuous, die-cut, black mark (Bottom side or top side black mark), fan-fold, notch, perforated, tag, care label (outside wound)	Continuous, die-cut, black mark (Bottom side or top side black mark), fan-fold, notch, perforated, tag, care label (outside wound)
Media Support	20 - 114 mm (0.79" - 4.5")	50,8 ~ 172,7 mm (2" ~ 6,8")
Media thickness	0.06 - 0.28 mm (2.36 - 28 mil)	0,06 ~ 0,268 mm (2,36~ 11,02 mil)
Media core diameter	38.1 - 76.2 mm (1.5" - 3")	3,81mm/76,2mm (1,5"/ 3")
Label Length	5 - 25.400 mm (0.20" - 1.000")	10 ~14.732 mm (0,39"~ 580")
Environment condition	· Operation: 0 ~ 40 °C (32 ~ 104 °F), 25~ 85% non-condensing · Storage: -40 ~ 60 °C (-40 ~ 140 °F), 10~ 90% non-condensing	· Operation: 0 ~ 40 °C (32 ~ 104 °F), 25~ 85% non-condensing · Storage: -40 ~ 60 °C (-40 ~ 140 °F), 10~ 90% non-condensing
Safety regulation	CE Class A	CE Class A
Environmental concern	Comply with RoHS, WEEE	Comply with RoHS, WEEE
Accessories	· Windows labeling software CD disk · Quick start guide · USB port cable · Power supply cable	· Windows labeling software CD disk · Quick start guide · USB port cable · Power supply cable
RTC & Buzzer	Standard	Standard
Internal font	8 alpha-numeric bitmap fonts · Monotype Image® true type font engine with CG Triumvirate Bold Condensed scalable font	· 8 alpha-numeric bitmap fonts · Monotype Image® true type font engine with CG Triumvirate Bold Condensed scalable font
Barcode	1D barcode Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11, China Post 2D barcode · PDF-417, Maxicode, DataMatrix, QR code, Aztec	1D barcode Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11, China Post 2D barcode · PDF-417, Maxicode, DataMatrix, QR code, Aztec
Font & barcode rotation	0, 90, 180, 270 degree	0, 90, 180, 270 degree
Printer language	TSPL-EZD (Compatible con EPL,ZPL, ZPL II, DPL)	TSPL-EZ (Compatible con EPL, ZPL, ZPL II, DPL) TSPL-EZ (Compatible con EPL, ZPL, ZPL II, DPL)
Memory	512 MB Flash Memory, 256 MB SDRAM MicroSD card reader for Flash memory expansion, up to 32 GB	512 MB Flash Memory, 256 MB SDRAM MicroSD card reader for Flash memory expansion, up to 32 GB
Interface	· RS-232 · USB 2.0 (High speed mode) · Internal Ethernet, 10/100 Mbps · USB host *2 (Front side), for scanner or PC keyboard · GPIO (DB15F) + Centronics (factory option) · Internal Bluetooth 5.0 MFI (factory option) · Slot-in 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (dealer option)	· RS-232 · USB 2.0 (High speed mode) · Internal Ethernet, 10/100 Mbps · USB host *2 (Front side), for scanner or PC keyboard · GPIO (DB15F) + Centronics (factory option) · Internal Bluetooth 5.0 MFI (factory option) · Slot-in 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (dealer option)
Power	Internal switching power supply · Input: AC 100-240V, 4-2A, 50-60Hz · Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W	Internal switching power supply · Input: AC 100-240V, 4-2A, 50-60Hz · Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W
LCD	3,5" color display, 320 x 240 pixel, Resistive Touchscreen	4,3" color display, 480 x 272 pixel; Resistive Touchscreen
Working Radius	850 mm (33.5 in)	
Maximum Speed of TPC	2 m/s (78.7 in/s)	
Repeatability	+/- 0.05 mm	
IP Rating	IP54	
Noise	70 dB (A)	
Installation Orientation	Any Angle	
Power Consumption	485W	
Temperature Range	0° to 50° C	
Humidity	<65%, non-condensation	
Weight	65 Kg	