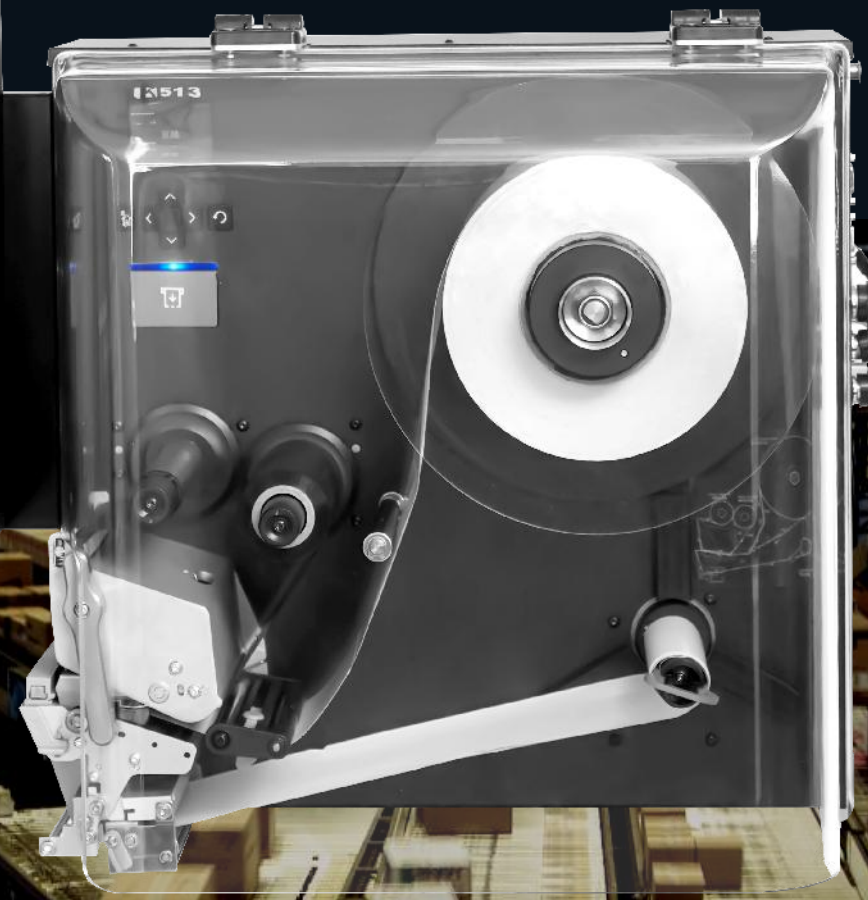
H400a

High Printer Applicator



Industrial Grade

Honeywell Industrial Label Printer

High print quality and durability for harsh working environments

High Performance

Dual tag sensor with dynamic positioning

Suitable for highly regulated manufacturing industries

Adaptive

New pneumatic tamping arm, adapt to different labeling positions

New floating labeling pad, flexible for various labeling surfaces

Soft Power

FP / DP / IPL / DPL / ZSim2 (ZPL-II) printer command languages,

OPEXE® ACT Server System can setup, debug and monitor multiple printer applicators remotely.

COTAO® 科道

Print and Apply Engines

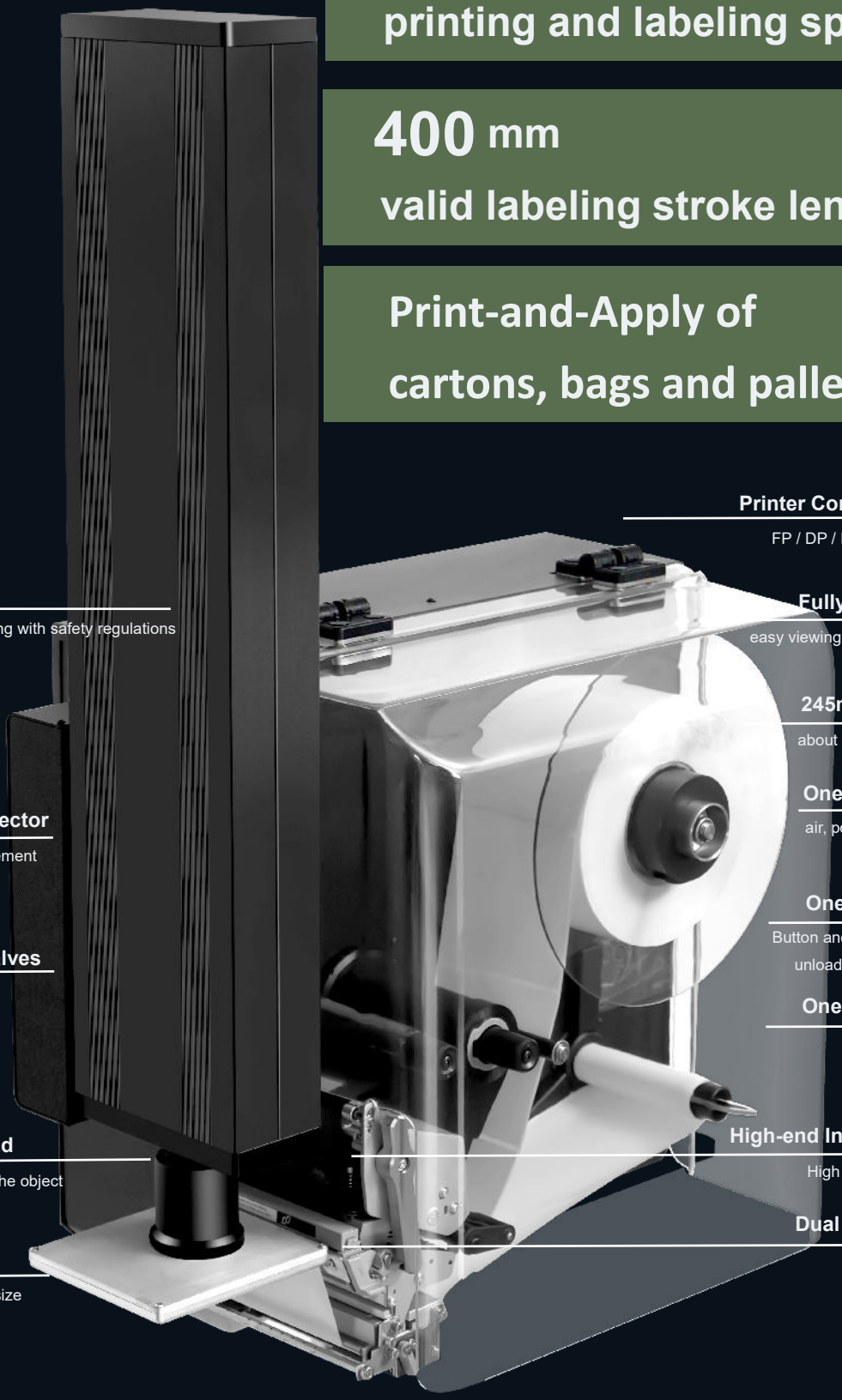
Features

2.5 seconds per label
printing and labeling cycle [1]

1200 labels per hour
printing and labeling speed [2]

400 mm
valid labeling stroke length

Print-and-Apply of
cartons, bags and pallets



Printer Command Languages
FP / DP / IPL / DPL / ZSim2 (ZPL-II)

Fully transparent cover
easy viewing of label, ribbon and panel

245mm outer unwinder
about 450 meters length of label

One Connect Direction
air, power and signal interfaces are unified on the side

One Operate Direction
Button and label ribbon loading and unloading are unified at the front

One Maintain Direction
maintenance is unified on the back

High-end Industrial Print Head
High print quality and durability

Dual Label Stop Sensor
for precision printing

Self-adaptive Tamping Arm
fully enclosed and protected, complying with safety regulations

Applicator and printer connector
easily overall disassembly and replacement

High-speed and long-life valves
high flow and short response time

Floating joint of tamping pad
self-adapt to changes in the angle of the object

Universal Tap-Blow Pad
suitable for 30*30~110*130mm label size

Data Sheet

Printer Specifications

Print Mode	Thermal Transfer and Direct Thermal
Print Resolution	11.8 d/mm (300 dpi)
Print Speed	50~200 mm/s
Print Width	105.7 mm（4.16"）
Media Width	114 mm
Media Thickness	3 ~ 10 mil
Processor	Arm Cortex®-A7, 800MHz
Flash memory	128 MB
SDRAM	128 MB DDR3
Printer Command Languages	Fingerprint (FP)，Direct Protocol(DP)，IPL，ZSim (ZPL-II)，DPL XML-enabled for SAP® AII and Oracle®WM
Symbologies	All major 1D and 2D barcode symbologies are supported
Standards Supported	UPC/EAN Shipping Container、UCC/EAN 128、Serial Shipping Container、MH10.8 Shipping Label、AIAG(shipping parts label)、OGMARS、POSTNET、HIBCC、ISBT128、GM1724、UPS Shipping Label and Global Transport Label
Fonts	Monotype font engine; supports non-Latin fonts through WTLE, and users can also download (Truetype) fonts
Graphics	Supports PCX, PNG, GIF, and BMP file formats.Other formats supported with Label Generation Tools

Applicator Specifications

Labeling Mode	Pneumatic Tamp & Blow
Standard stroke length	500 mm，valid length400mm
Printing and labeling Cycle	2.5 seconds per label [1]
Printing and labeling Speed	1200 labels per hour[2]
Position Accuracy	± 2mm
Label Roll Diameter	Inner 76 mm, outer 245 mm
Ribbon Roll Diameter	Outer 80mm, total length about 450m
Label Size	30x30~110x130mm　Width x length in feeding direction
Ribbon Type	Wax, Hybrid and Resin Ribbons

Physical Characteristics

HMI	2.36 inch key screen
Operating Temperature	+5°C to +40°C (+41°F to +104°F)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Humidity	20% to 85% non-condensing
Dimensions	L 602.8 mm x W 306.9 mm x H 818.4 mm
Weight	25 kg
Electrical Supply	90-264V AC, 47~63 Hz,300W
Pneumatic Supply	90 psi., 3-6 cfm. Dry, particle-free, clean air
Machine warranty	12 months
Printhead Warranty	6 months or 25km, whichever comes first

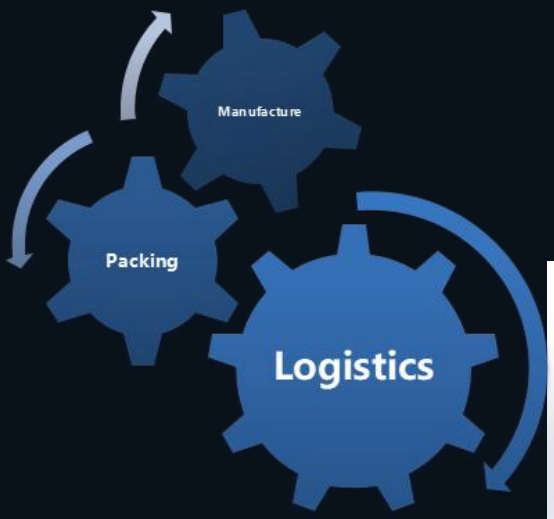
Standard Configuration

Applicator	Adaptive Pneumatic Tamping Applicator
Applicator Pad	Floating Tamp-and-Blow Pad with Pressure Sensor
Printer Interface	Ethernet 10M/100M
	USB2.0
Applicator Interface	3-pin photoelectric input port
	4-pin alarm light output port
	10-pin I/O expansion port
	Labeling control card network port
	Labeling control card Firmware Update port
	Labeling control card RS232 port

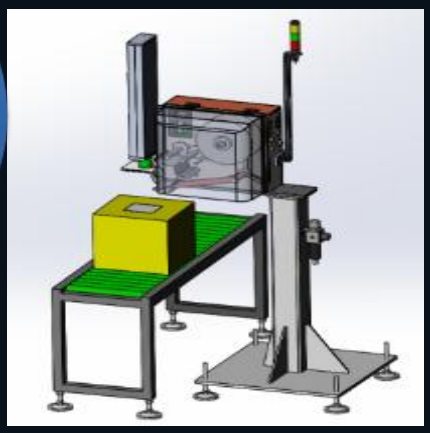
1. Actual printing and labeling cycle is dependent upon label size, labeling stroke length, data processing and transmission time.
2. Actual printing and labeling speed is dependent upon objects size, loading and unloading time, positioning time and other factors.
3. Technical parameters and other technical information are subject to modification without prior notice.

Applications

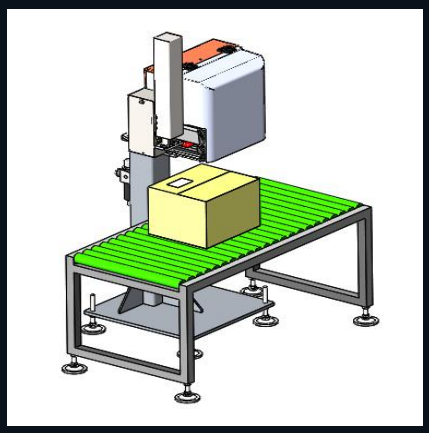
Application industries



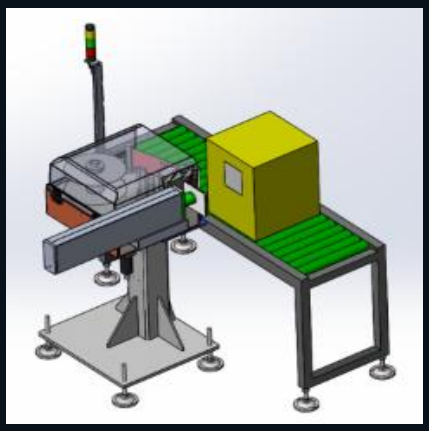
Labeling direction



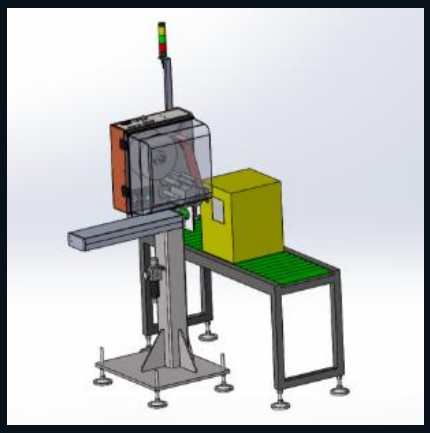
Top in vertical conveying direction



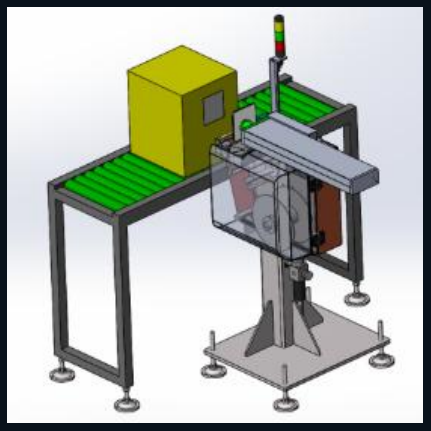
Top in vertical conveying direction



Horizontal side tamping from right to left



Vertical side tamping from top to bottom



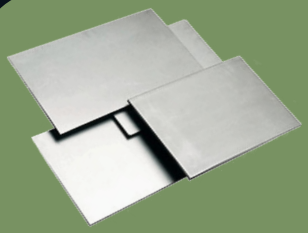
Vertical side tamping from top to bottom

Note: Above diagram is only for reference when customers choose the labeling direction.Delivery of K513 does not include the Mounting Stands.

Labeling objects

Cartons

Bags



Plates

Pallets

COTAO® 科道
Print and Apply Engines

COTAO Technologies Co.,Ltd.
403/27,879 Zhongjiang Road,Shanghai, China 200333
+86 (21) 5283 6070 www.cotao.com
A1.2206