

JLS-2000 Desktop Label Verifier / Inspection System

**1:1 Inspection
Distortion-free**

**100% Inspection
before batch labeling**

**Data Statistic
Report**

**Automatic
Rewinding**

**API Tool for
MES System**

Use Applications

- Electronics Manufacturing
- Medical Devices Manufacturing
- New Energy & Materials manufacturing
- Automotive Industry
- Chemicals & Cosmetics factory
- Food Processing
- Pharmaceutical manufacturing



Customer Pain Points

- **Print Errors & Visual Defects:** Product returns, re-packaging, rising complaints, and costly manual inspection with high human error risk
- **Late Error Detection & Rework after manual / auto-labeling:** Wasted time and material costs from late defect discovery
- **Compliance Risk:** Product recalls, failed audits, and export inspection failures from non-compliant labels

Pain Points by Industry

- **Electronics Manufacturing:** Mislabeled serial numbers and unreadable barcodes cause returns and assembly line stoppages
- **Medical Devices Manufacturing:** Non-compliant UDI labels risk recalls and regulatory penalties; incorrect expiry dates endanger patient safety
- **New Energy & New Materials:** Wrong hazardous material codes or missing serialization cause export rejections at customs
- **Chemicals & Cosmetics:** Incorrect GHS hazard symbols create safety risks and regulatory penalties
- **Automotive Industry:** Defective VIN barcodes or wrong part numbers break traceability and risk batch-wide recalls
- **Food Processing:** Wrong best-before dates or missing allergen warnings risk health incidents and mandatory recalls
- **Petrochemicals:** Illegible MSDS labels or wrong hazard codes endanger workers and halt shipments



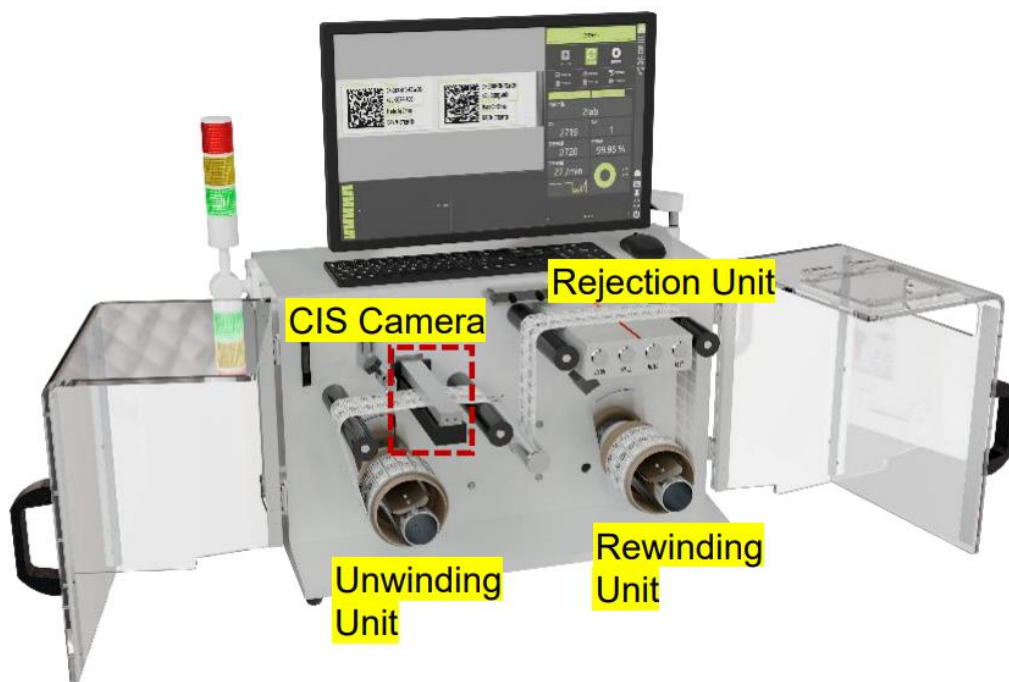
JLS-2000 Desktop Label Verifier / Inspection System

Product Overview

A powerful all-in-one desktop solution that combines a precision CIS camera, high-performance IPC, built-in monitor, and automated roll system—everything you need in a single compact unit.

Designed for pre-labeling quality assurance, it inspects every incoming label before it reaches the production line—catching defects at the source, not after the fact.

Automatically detects barcode errors, printing defects, and duplicate codes. Defective material stops at the built-in rejection



Key Value for Customers

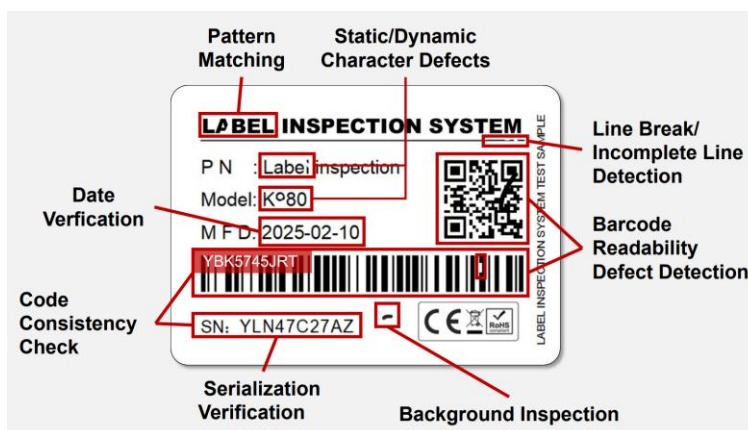
- **100% Inspection:** Ensures 100% inspection of all labels from start to finish, with no content loss
- **Data Validation:** Supports duplicate detection, omission checks, multi-code validation, DB matching, date/time verification, and serial number validation
- **Data Statistics:** Real-time statistics on label quantity and pass rate, with exportable reports
- **Alarm Control:** Flashing warning light, on-screen alerts, custom notifications, and printer pause control
- **Open Interface:** Standard API interfaces for easy secondary development and MES integration



JLS-2000 Desktop Label Verifier / Inspection System

Inspection Capabilities

- **OCR/OCV:** Detection of static/dynamic character defects including missing prints, garbled text, and distortion. Supports digits, letters, and punctuation with template-based comparison
- **Barcode / QR Code Recognition:** 1D/2D code reading, defect detection, assisted recognition, and quality grading
- **Pattern Matching:** Defect detection based on text and graphic templates with adjustable precision levels
- **Line Break / Incomplete Line:** Inspection of horizontal and vertical lines in special label designs
- **Background & No-Print Zone:** Detects background dirt, scratches, and controls no-print zones
- **Misalignment Detection:** Controls deviation between printed content and reference position
- **Data Deduplication / Validation:** Local and remote deduplication with flexible validation rules
- **Date & Serialization Verification:** Verifies date codes, serial numbers, and code consistency



Product Advantages

- **Powerful Anti-Interference Image Acquisition:** High-quality imaging on matte silver and difficult materials with interference-free barcode capture
- **Superior Multicolor & Reflective Surface Handling:** Handles multicolor and reflective surfaces clearly, even at 20x zoom
- **Precise Defect Threshold Control:** Configurable pass/fail thresholds for 4-6 mm label sections
- **Advanced OCR for Difficult Characters:** Reliably reads connected and easily confused characters
- **Adjustable Detection Precision:** Three precision levels (High/Medium/Average) balancing accuracy and speed
- **Compact CIS Camera Design:** Minimal footprint with built-in lighting; supports 3-420 mm label lengths



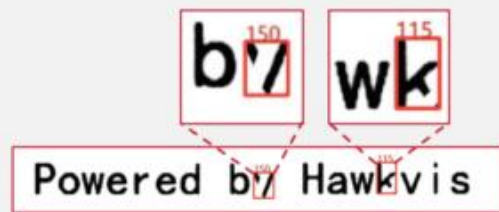
JLS-2000 Desktop Label Verifier / Inspection System

Inspection Samples

Prevent Any Defective Labels From Entering the Production Line, Supply Chain, Or Reaching End Consumers



Barcode Defects



Character Defects

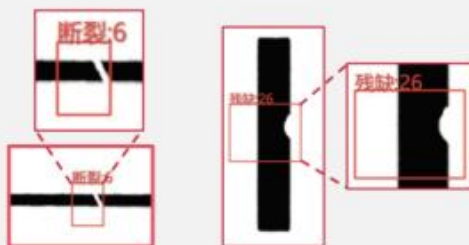


QR Code Defects

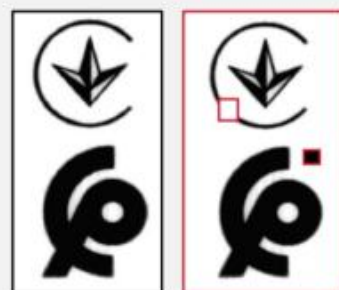


SN: QJD5973PIK

Discrepancy Between Printed
and Concealed Codes



Line Break and Incompleteness



Pattern Defects &
Dirty Backgrounds



JLS-2000 Desktop Label Verifier / Inspection System

Inspection Samples

- **Powerful Anti-reflective Capability In Image Acquisition**, clear, high-quality images are essential for reliable inspection

Matte Silver Sample Label



Image Capture Quality of Peer Companies



Matte silver labels greatly differ from regular coated paper in image capture. Even after enhancement, the barcode interface still shows interference, preventing effective defect detection.

Image Capture Quality by /JNXTECH [Hawkvis]



image capture is consistent with standard coated paper labels. The barcode area is clear and free of interference, supporting defect detection just like regular coated paper



JLS-2000 Desktop Label Verifier / Inspection System

Inspection Samples

- Powerful Anti-reflective Capability In Image Acquisition

High-reflective surface with sliver and multi-color and irregular shape combination

Image Quality captured by Peer Companies which are poor quality with blurred patterns and text



Image Quality Captured by JNXTECH [Hawkvis]



Zooming **X20** times, remains highly clear

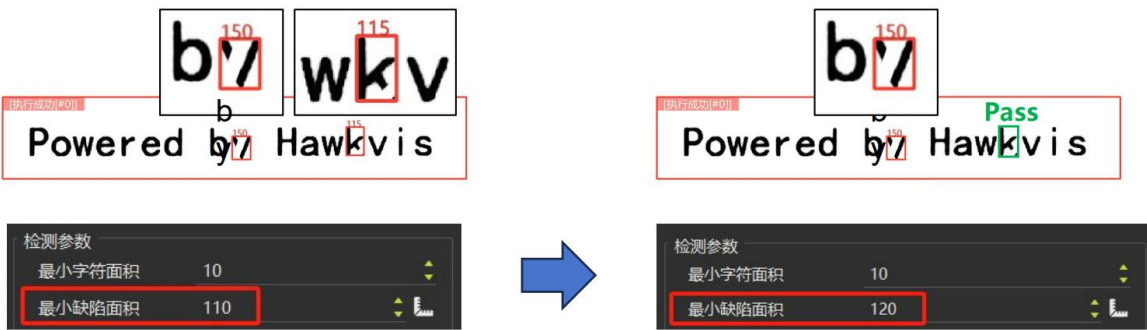
Made in China



JLS-2000 Desktop Label Verifier / Inspection System

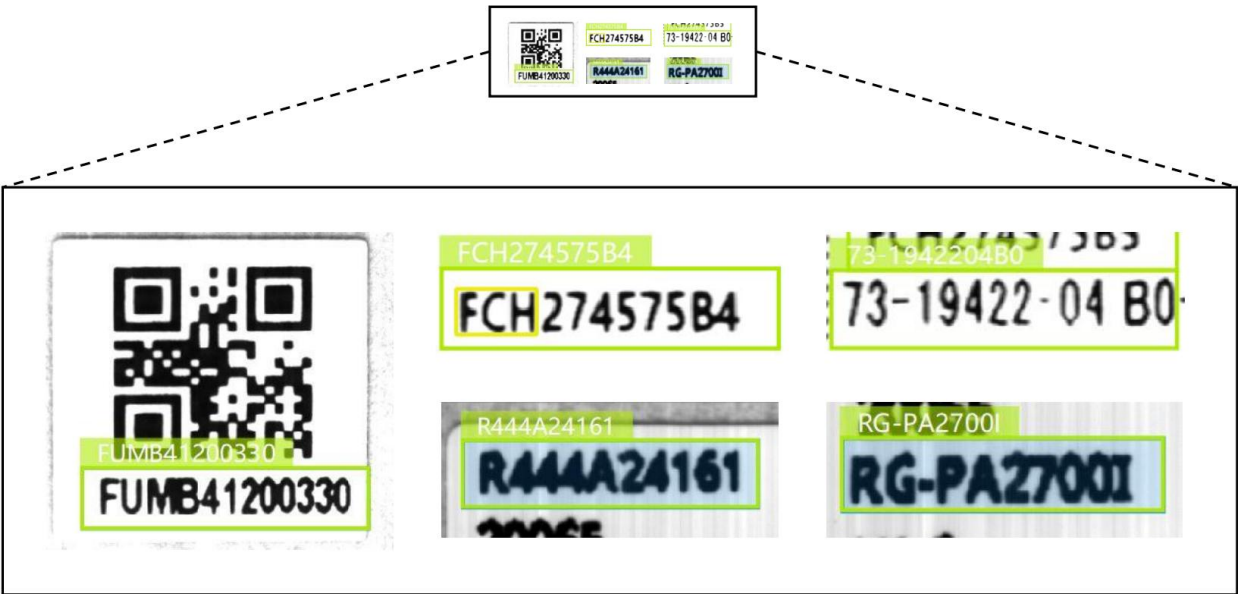
Inspection Samples

- Easily Manage What to Catch and What To Let Pass



- The OCR Algorithm Excels At Recognizing Connected And Easily Confused Characters.

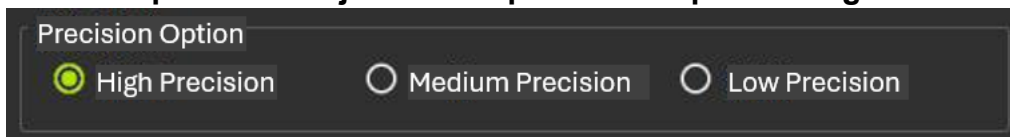
Samples Taken From 4~6 mm Label Sections



JLS-2000 Desktop Label Verifier / Inspection System

Inspection Samples

- Detection precision adjustable in pattern comparison algorithm.



- Pattern comparison is one of the most frequently used detection algorithms.
- For users with large labels, many inspection items, and limited device performance, we offer intuitive and flexible precision settings to ensure optimal defect detection under resource constraints.
- Each Level down in detection precision reduces CPU load and boosts speed. Users can choose the level best fits their needs

**Test Samples:
2 dirt and 1 break**

High quality	Medium quality	Average quality
Detection time: 91 ms	Detection time: 37 ms	Detection time: 16 ms



Inspection Samples

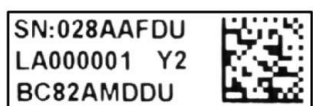
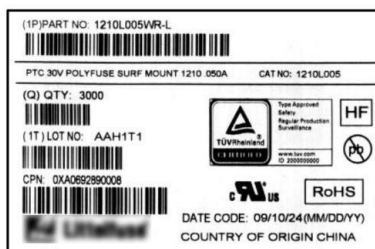
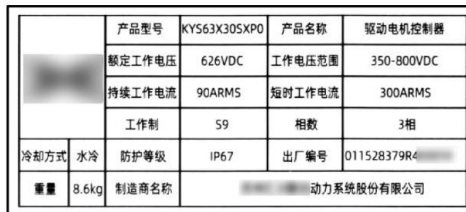
- **Detection precision adjustable in pattern comparison algorithm.**



JLS-2000 Desktop Label Verifier / Inspection System

Inspection Samples

- **Detection precision adjustable in pattern comparison algorithm.**



JLS-2000 Desktop Label Verifier / Inspection System

Inspection Samples

- **Detection precision adjustable in pattern comparison algorithm.**

DEV1CE: BES26001UC-6X				MSL 3	
Lot. No1: CA2302E4					
QTY. 1: 596	D/C1: 2230				
Lot. No2:					
QTY. 2:	D/C2:				

品牌(Brand)		   	
物料代码(I/N)	I01.01.03.00079		
P/N	012130300034		
物料名称(NAME)	ZX279128S-家庭终端芯片	版本号	
规格型号(MODEL)	ZX279128S	 1	
生产批次(L/N)	JC21483C6		
周期码(Date Code)	2214	数量(QTY)	260
			
生产日期(SEAL DATE)	2022-09-16		
内盒追溯码	IN220916-03399		
Reel码(Reel ID)	09H5M22209160E3862		
供应商(SUPPLIER)	芯海半导体技术有限公司 CHINA TECHNOLOGY CO., LTD		

PMX3Q0P5KATPC04460017
Primax P/N:2H-BB3USQ13111 US

PMXBOSD1030O004460017
Primax P/N:910300166990 BL

PMXAEP5U012100280017
Primax P/N:910300267250
Verus Rev:3A

CT:BJEMP3AF7DV017 Made in China

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心内导引鞘组

产品名称: 心内导引和鞘系统
 生产许可证编号: 京药监械生产许 号
 医疗器械注册证编号: 国械注准 201717304277
 注册人名称: 迈瑞医疗技术(北京)有限公司
 注册人地址:
 联系方式: 电话: 传真:

产品型号: S085S
 产品数量: 1 套
 内 容 物: 鞘管鞘×1 导丝×1 扩张鞘×1
 尺 寸: L:1 有效长度: 830mm
 最大允许外径: 0.032in(0.813mm)
 鞘管外径: 0.032in(0.813mm)
 鞘丝长度: 11600mm

LOT: 240510E
 2027-05-09
 2024.05.10

请仔细阅读使用说明:
 See instructions for use.
 中文、英文、法文版
 Show in a cool dry place.
 请勿受潮。
 Do not get wet.
 请勿使用尖锐物品。
 Do not use sharp objects.
 请勿使用过期或损坏的产品。
 Do not use open or damaged packages.
 请勿重复使用。
 Do not reuse the device.
 请勿使用非原厂配件。
 Do not use non-original accessories.
 Please refer to instructions for use for more information.

警告
Caution


 (91) 0186A905-9-3025 8
 (1) 240510E (1) 270509 (1) 240505 6 91: 3025
 Sympath-Med cat
 (91) 0186A905-9-3025 8
 (1) 240510E (1) 270509 (1) 240505 6 91: 3025
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 Sympath-Med cat
 (91) 0186A905-9-3025 8
 (1) 240510E (1) 270509 (1) 240505 6 91: 3025
 Sympath-Med cat

合格

合格

合格

合格



STIMULCO

请保持干燥

生产许可证编号:
 生产地址:
 生产企业名称:
 日期形式:

3000W

80
mm

ISO 9001 Certified and ISO 14001 Environmental Management System Certified

1. 3000W 2. 3000W 3. 3000W 4. 3000W 5. 3000W 6. 3000W 7. 3000W 8. 3000W 9. 3000W 10. 3000W 11. 3000W 12. 3000W 13. 3000W 14. 3000W 15. 3000W 16. 3000W 17. 3000W 18. 3000W 19. 3000W 20. 3000W 21. 3000W 22. 3000W 23. 3000W 24. 3000W 25. 3000W 26. 3000W 27. 3000W 28. 3000W 29. 3000W 30. 3000W 31. 3000W 32. 3000W 33. 3000W 34. 3000W 35. 3000W 36. 3000W 37. 3000W 38. 3000W 39. 3000W 40. 3000W 41. 3000W 42. 3000W 43. 3000W 44. 3000W 45. 3000W 46. 3000W 47. 3000W 48. 3000W 49. 3000W 50. 3000W 51. 3000W 52. 3000W 53. 3000W 54. 3000W 55. 3000W 56. 3000W 57. 3000W 58. 3000W 59. 3000W 60. 3000W 61. 3000W 62. 3000W 63. 3000W 64. 3000W 65. 3000W 66. 3000W 67. 3000W 68. 3000W 69. 3000W 70. 3000W 71. 3000W 72. 3000W 73. 3000W 74. 3000W 75. 3000W 76. 3000W 77. 3000W 78. 3000W 79. 3000W 80. 3000W 81. 3000W 82. 3000W 83. 3000W 84. 3000W 85. 3000W 86. 3000W 87. 3000W 88. 3000W 89. 3000W 90. 3000W 91. 3000W 92. 3000W 93. 3000W 94. 3000W 95. 3000W 96. 3000W 97. 3000W 98. 3000W 99. 3000W 100. 3000W 101. 3000W 102. 3000W 103. 3000W 104. 3000W 105. 3000W 106. 3000W 107. 3000W 108. 3000W 109. 3000W 110. 3000W 111. 3000W 112. 3000W 113. 3000W 114. 3000W 115. 3000W 116. 3000W 117. 3000W 118. 3000W 119. 3000W 120. 3000W 121. 3000W 122. 3000W 123. 3000W 124. 3000W 125. 3000W 126. 3000W 127. 3000W 128. 3000W 129. 3000W 130. 3000W 131. 3000W 132. 3000W 133. 3000W 134. 3000W 135. 3000W 136. 3000W 137. 3000W 138. 3000W 139. 3000W 140. 3000W 141. 3000W 142. 3000W 143. 3000W 144. 3000W 145. 3000W 146. 3000W 147. 3000W 148. 3000W 149. 3000W 150. 3000W 151. 3000W 152. 3000W 153. 3000W 154. 3000W 155. 3000W 156. 3000W 157. 3000W 158. 3000W 159. 3000W 160. 3000W 161. 3000W 162. 3000W 163. 3000W 164. 3000W 165. 3000W 166. 3000W 167. 3000W 168. 3000W 169. 3000W 170. 3000W 171. 3000W 172. 3000W 173. 3000W 174. 3000W 175. 3000W 176. 3000W 177. 3000W 178. 3000W 179. 3000W 180. 3000W 181. 3000W 182. 3000W 183. 3000W 184. 3000W 185. 3000W 186. 3000W 187. 3000W 188. 3000W 189. 3000W 190. 3000W 191. 3000W 192. 3000W 193. 3000W 194. 3000W 195. 3000W 196. 3000W 197. 3000W 198. 3000W 199. 3000W 200. 3000W 201. 3000W 202. 3000W 203. 3000W 204. 3000W 205. 3000W 206. 3000W 207. 3000W 208. 3000W 209. 3000W 210. 3000W 211. 3000W 212. 3000W 213. 3000W 214. 3000W 215. 3000W 216. 3000W 217. 3000W 218. 3000W 219. 3000W 220. 3000W 221. 3000W 222. 3000W 223. 3000W 224. 3000W 225. 3000W 226. 3000W 227. 3000W 228. 3000W 229. 3000W 230. 3000W 231. 3000W 232. 3000W 233. 3000W 234. 3000W 235. 3000W 236. 3000W 237. 3000W 238. 3000W 239. 3000W 240. 3000W 241. 3000W 242. 3000W 243. 3000W 244. 3000W 245. 3000W 246. 3000W 247. 3000W 248. 3000W 249. 3000W 250. 3000W 251. 3000W 252. 3000W 253. 3000W 254. 3000W 255. 3000W 256. 3000W 257. 3000W 258. 3000W 259. 3000W 260. 3000W 261. 3000W 262. 3000W 263. 3000W 264. 3000W 265. 3000W 266. 3000W 267. 3000W 268. 3000W 269. 3000W 270. 3000W 271. 3000W 272. 3000W 273. 3000W 274. 3000W 275. 3000W 276. 3000W 277. 3000W 278. 3000W 279. 3000W 280. 3000W 281. 3000W 282. 3000W 283. 3000W 284. 3000W 285. 3000W 286. 3000W 287. 3000W 288. 3000W 289. 3000W 290. 3000W 291. 3000W 292. 3000W 293. 3000W 294. 3000W 295. 3000W 296. 3000W 297. 3000W 298. 3000W 299. 3000W 300. 3000W 301. 3000W 302. 3000W 303. 3000W 304. 3000W 305. 3000W 306. 3000W 307. 3000W 308. 3000W 309. 3000W 310. 3000W 311. 3000W 312. 3000W 313. 3000W 314. 3000W 315. 3000W 316. 3000W 317. 3000W 318. 3000W 319. 3000W 320. 3000W 321. 3000W 322. 3000W 323. 3000W 324. 3000W 325. 3000W 326. 3000W 327. 3000W 328. 3000W 329. 3000W 330. 3000W 331. 3000W 332. 3000W 333. 3000W 334. 3000W 335. 3000W 336. 3000W 337. 3000W 338. 3000W 339. 3000W 340. 3000W 341. 3000W 342. 3000W 343. 3000W 344. 3000W 345. 3000W 346. 3000W 347. 3000W 348. 3000W 349. 3000W 350. 3000W 351. 3000W 352. 3000W 353. 3000W 354. 3000W 355. 3000W 356. 3000W 357. 3000W 358. 3000W 359. 3000W 360. 3000W 361. 3000W 362. 3000W 363. 3000W 364. 3000W 365. 3000W 366. 3000W 367. 3000W 368. 3000W 369. 3000W 370. 3000W 371. 3000W 372. 3000W 3

SN:028V
UCDUP5
000004
Y2 CN90RSCG







Dongguan Lison Battery
 MODEL OF R9R2
 Rated Capacity:5000mAh@10.00h
 10.00h Charge Voltage:4.8VDC
 Nominal Voltage:1.6V/Cell
 100% RoHS Compliant, Made in China
 Manufacturer:
 Dongguan AmpereX Technology Limited

FC Li-ion 00 CE

Warning:
 To reduce the risk of fire, do not disassemble or alter construction
 and do not recharge with a dc not defined or a lower voltage.
 Do not touch the poles until 10 h of FCC Rest
 Careful not to get the battery too close
 (1) Do not use any heat, any harmful substance and
 (2) Do not use any electrical appliance "powered"
 including recharger, but only using the original

AVERTISSEMENT:
 Pour éviter le risque d'incendie, ne démontez, ne modifiez, ne rechargez
 ou ne rechargez pas avec une tension ou une tension inférieure à celle indiquée.
 Ne touchez pas les bornes jusqu'à 10 heures de repos

GLANSSLINKE 404.908.98 X 4		
RTS Lull pallet Gross: 31 kg (68 lbs) Net: 15 kg (34 lbs)	Made in China IN-30242-1 © of Sweden AB, SE - 34381 Aneåhult © inner: HSA Systems B.V. 2021	A142044560868177782 A1132020421 23-04-21 YY-MM-DD 2316

[illegible]

Product QC Certificate	
Product Name	Disposable Syringe Cartridge
Model	HA130
Batch	2112261301
Inspection Result	Qualified
Inspector	425
Inspection Date	Jan. 06, 2022



JLS-2000 Desktop Label Verifier / Inspection System

	Desktop Label Verifier / Inspection System	
Camera Width	4 inches camera	(6 inches camera
Maximum Paper Width	110mm	190mm
Core Diameter	76mm	
Max Roll OD	203mm	
Optional Components	Acrylic shielding door (Includes waste removal window)	
Size(Width*Length*Depth)	650*413*291mm (includes door 419mm length)	650*413*377mm (includes door 505mm length)
Image Acquisition resolution	600-1200dpi	
Minimum 1D Barcode Resolution	3.34mil	
Minimum 2D QR code Resolution	5mil	
Barcode Types	All standard barcode and QR code	
Barcode Orientation	Omnidirectional	
Minimum Font Size for OCR/ OCV	3pt	
Font Type for OCR/ OCV	Standard Fonts Supported (CN/EN/Numbers/Symbols)	
Maximum Inspection Speed*	4 inches at 1200 DPI: Up to 6 inches/sec 6 inches at 1200DPI: Up to 3 inches/sec 6 inches at 6000DPI: Up to 6 inches/sec	
Maximum Detectable Label Length	420mm	
Minimum Detectable Label Length	3mm	
Maximum Detectable Label Width	4 inches: 108mm 6 inches: 180mm	
Minimum Detectable Label Width	3.5mm (Minimum required backing width >17 mm)	
Label Thickness	0.05mm~0.28mm	
Minimum Label Gap	1mm	
Supported Label Types	Gap	
Audio-Visual Alarm	3-color light audio-visual alarm	
Connection Type	1000 Mbps Ethernet, 2.4G/5G WIFI	
Working environment	Tempreture: 0°-50°C, HUmidity: 30%-75%RH (non-conditioning)	
Monitor	23.8 inches, 2K resolution	
Monitor Articulating Arm	Industrial-grade adjustable swing arm	
IPC Configuration	Intel Core i7-10700, 16G RAM, 512 GB SSD (based on data storage needs), HDMI*1, USB 3.0*4, Gigabit Ethernet port*1, 2.4G/5G WIFI Windows 10 (64-bit)	

* Actual inspection speed depends on acquisition resolution and inspection parameters

