

2021 H-SERIES SPECIFICATION				
MODEL	MODEL NO.	HR-3700-C**	HR-1500-C**	HM-1400-C**
APPLICATION RANGE	SHAFT DIA	3~22mm	M3~M14	M6~M16
	LENGTH	6~50mm (HEAD:LENGTH 1:2)	25~80mm	25~170mm
DIMENSION(INCL. FEEDING SYSTEM)		2025*1725*H2020 (INCL FEEDING)	2380*1400*H2010 (INCL FEEDING)	1200*1220*H2010 (EXCL. FEEDING SYSTEM)
SOFTWARE VERSION		HIGH-SPEED 4-AXIS CARD V2	HIGH-SPEED 4-AXIS CARD V2	V2
PLC VERSION		BE5	AE4	E4
DISTRIBUTOR		PCB CONTROL	STANDARD	STANDARD
EXITS		1. NG 2. DUAL OK 3.RETEST	1. NG 2.OK 3.RETEST	1. NG 2.OK 3.RETEST
MAXI CCD CONFIGURATION		7 STATIONS · 9 CAMERAS	5 STATIONS · 8 CAMERAS	4 STATIONS · 4 CAMERAS
PREVENTION OF DISCHARGED PARTS FALLING OUT		○	○	-
PARTS DISCHARGE TRACKING SYSTEM		○	-	-
I9 INDUSTRIAL PC, DOUBLED PROCESSING SPEED		○	○	▲
GERMAN-MADE USB HIGH-SPEED IMAGING SYSTEM		○	○	-
FRAMELESS DESIGN FOR EASY CLEANING		○	○	○
"INSPECTION PLATFORM EASY CHANGE-OVER (METAL DIAL, GLASS DIAL)"		○	○	-
"SMART MONITORING GUARD SYSTEM (PNEUMATIC COMPONENTS, SENSORS, CAMERAS, IPC)"		○	○	-
UPS POWER SUPPLY SYSTEM		○	▲	▲
RESONANCE SUPPRESSSION SYSTEM		○	-	-
"LIGHT SOURCE STROBE SYSTEM (ANTI-INTEFERENCE) "		○	○	○
INTELLIGENT FEEDING CONTROL SYSTEM		○	▲	▲
MORE FRIENDLY HOST ENVIRONMENT (PC, EDDY CURRENT MAIN MACHINE)		○	○	○
NON-STOP PACKING SYSTEM(DUAL ACCEPTED CHUTES INCREASE PACKING CAPACITY)		○	-	-
BUILT-IN TROUBLE SHOOTING VIDEOS		○	○	-
CCD MODULE PROTECTION COVER		○	○	○
AUTOMATIC JAM REMOVAL SYSTEM		-	○	-
HIGH-SPEED INSPECTION SYSTEM(M3 2000PCS/MIN)		-	○	-
FLEXIBLE BOREHOLES QTY		-	-	○
INDEX / CONTINUOUS INTGRATED PLATEFORM		-	-	○
TURNING MODE		CONTINUOUS	CONTINUOUS	INDEX(20/40)+CONTINUOUS
※OPTIONS				
STANDARD CCD MODULES (TOP/SIDE/BOTTOM/45 DEGREE)		▲	-	-
"MULTI-FUNCTIONS (ROTATION+ THREAD DAMAGE+BENDING+ RECESS DEPTH)"		-	-	▲
INTERNAL 360 DEGREE		▲	▲	-
EXTERNAL 360 DEGREE		▲	▲	-
AUTO FOCUS		▲	▲	-
THREAD DAMAGE(UNDER HEAD) CHECKING BY 4 CAMERAS		-	▲	-
THREAD DAMAGE CHECKING BY 4 CAMERAS		▲	-	-
QUAD-MIRROR SYSTEM		▲	▲	-
DUAL MIRROR SYSTEM		▲	▲	-
EDDY CURRENT		MATERIAL	MATERIAL	CRACKS/MATERIAL(EITHER/BOTH)
REFERENCE OF ACTUAL RUNNING SPEED		M8*14-400~800/min	M3*12mm 2000/min	CONTINUOUS MODE M10*170mm SPEED120/min CONTINUOUS MODE M6*40mm SPEED 400/min
			M6*25mm 1000/min	INDEX MODE M10*170mm SPEED 60/min INDEX MODE M6*40mm SPEED 80-120/min
※CODE MARK: ○standard ▲optional				



TAIWAN

CHING CHAN OPTICAL TECHNOLOGY CO., LTD.(Headquarters)
No. 58, Lane 110, Zhongxiao St, Hu-nei Dist 829, Kaohsiung City, Taiwan
TEL +886-7-693-7937 FAX +886-7-693-7017
E-mail:sales@ccm3s.com

CHING CHAN OPTICAL TECHNOLOGY CO., LTD.(Taichung Office,Taiwan)
No. 78, Minfu St., Daya Dist., Taichung City 428, Taiwan
TEL +886 4-233-74777
FAX +886 4-233-85727

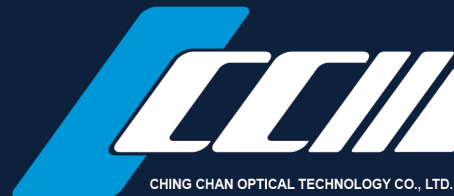


LINE@



FACEBOOK

VER.NOV,2020



Design for
Consecutively running
with High speed!

Consecutively Running Optical
Sorting Machine

New Generation High Performance Optical Sorting machine

*Pictures as reference

New machine Design / High Speed Inspecting System

Max Dia. : 22mm
Max Length : 50mm
Max Speed : 800 pcs/min

HR-3700
Consecutively Running
Optical Sorting Machine
(Glass Dial, Rotatory Disk)

- Max CCDs qty: 7-9 CCDs
- Dual OK Chutes to increase Packing Capacity
- Save 50% of time while changing the platform
- PCB Motion control- easy to detect the problem
- Intelligent Monitoring System:
(Air-vent, sensors, camera, and IPC)

Max Dia. : 14mm
Max Length : 80mm
Max Speed : 2000 pcs/min

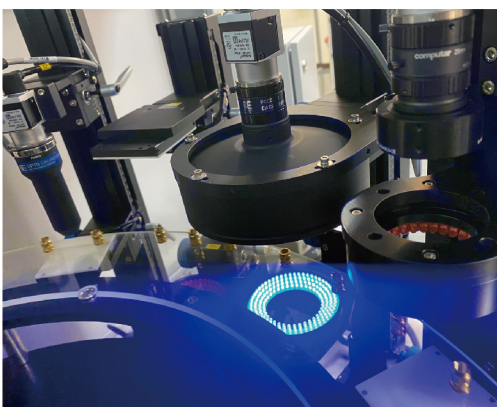
HR-1500
Consecutively Running
Optical Sorting Machine
(Glass Dial)

- Max CCDs qty: 5-8 CCDs (Inclu. 4 cameras for thread checking)
- Removing stuck parts automatically
- Save 50% of time while changing the platform
- High performance machine: Max speed. 2000pcs/min
- Intelligent Monitoring System:
(Air-vent, sensors, camera, and IPC)

Max Dia. : 16 mm
Max length : 170 mm
Max Speed
Consecutive Mode : 400 pcs/min
Index Mode : 120pcs/min

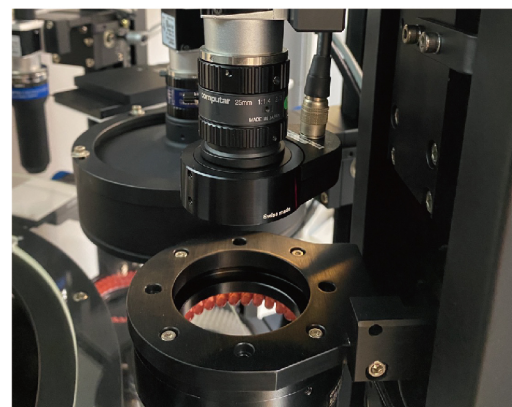
HM-1400
2-Ways of Running
Optical Sorting machine
(Rotatory Disk)

- 4 Stations with 4 CCDS
- Two kinds of machine running mode. (COnsecutive and Index)
- Multiple Options for Index running (20 and 40)
- Multiple criteria to inspect at the same station.
(Thread Damage, Bending, and Pin)



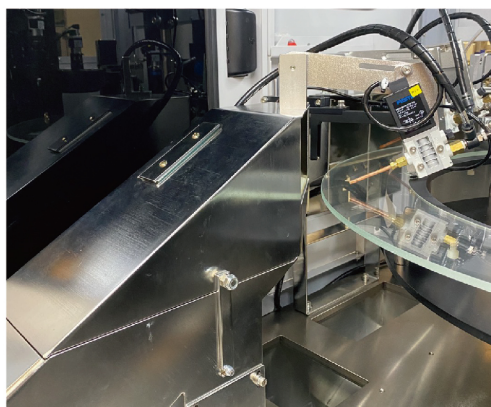
| Made-in-House Strobe Lighting System |

This new system is with tripled life span ; its high density and sharpe resolution increases the inspection precision.



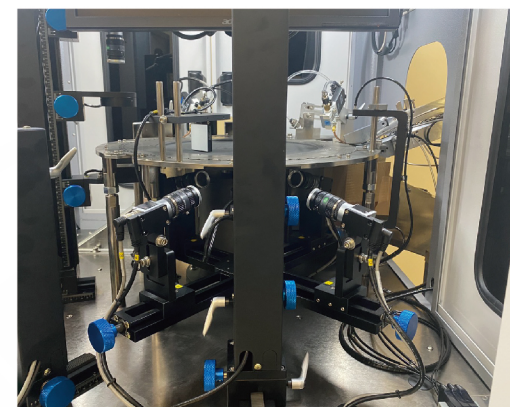
| Auto focusing |

Only need to set up once; cut down the cost of human labour.



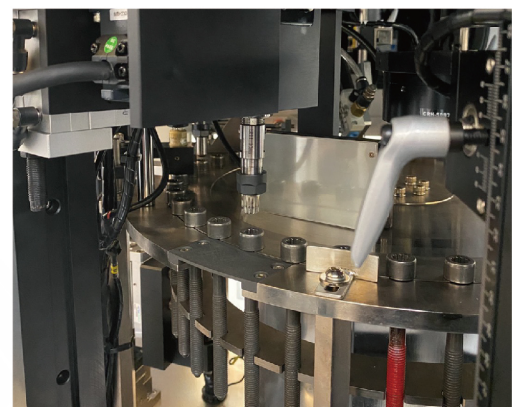
| Easy to change the platform |

New platform design makes the changeover easier than before. It could save up to at least 40% of time.



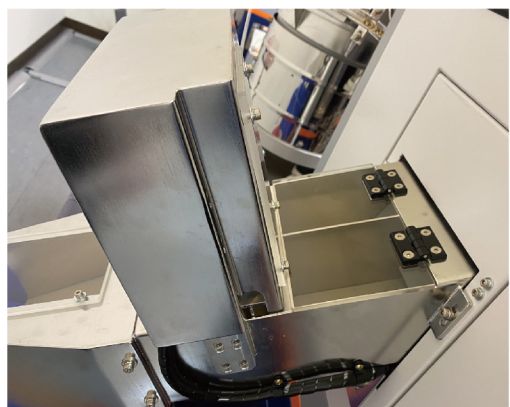
| Thread damage checking with 4 cameras |

4 cameras, 4 sides! thread damaging, and missing thread will all be covered.



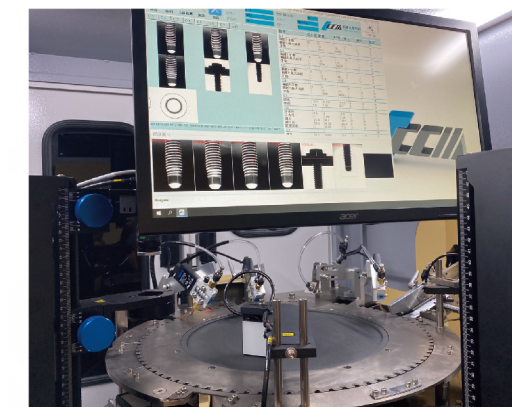
| One Station camera to check multiple criteria. |
(Thread Damaging, Bending, and pin)

With new 360 Degree System; you can check multiple criteria at the same time.



| Dual OK Chutes to increase the packing capacity |

The machine doesn't need to stop even though the ok qty is reached. It could increase the whole packing capacity.



| High speed performance |

The new design for feeding and discharging. M3 Screws can reach 2000 pcs/min



| Intelligent monitoring System |

Keep an eye on the machine with all the data collected from the machine through the sensors. Make your machine always stay at its best shape!



| Eddy Current System |

Apart from the dimensional checking, Eddy current system could check on your hardness at the same time.