

8" & 12" WLCSP Tape&Reel Chip Sorter

8" & 12" 晶圓級捲帶式晶粒檢取機

8.2 Purchase main items specification

採購項目規格

8.2.1 General Specification

一般規格

8.2.1.1 It must be able to process material:

要求可作業之產品特性

1) Wafer size : 4"~12" wafer STI: 8" & 12" wafer frame.

晶圓尺寸: 4"~12"

2) Die size: 0.5mm ~ 10mm (square)

晶粒尺寸: 0.5mm ~ 10mm (方形Die)

3) Chip Thickness: 4~30 mils. STI: 8 to 30 mils

晶粒厚度: 4~30mils

4) Solder ball wafer.

已植球晶圓

5) Solder ball diameter: 0.08~0.5mm.

錫球直徑: 0.08~0.5mm

6) Ball height 0.08~0.4mm

球高: 0.08~0.4mm

8.2.1.2 Counting function

8.2.1.2.1 System can calculate reel remain length and show remain length and remain dies of reel in monitor.

系統可計算剩餘的捲帶長度，且顯示剩餘長度與捲帶剩餘的晶粒數量在監視器上。

輸出系統能適用7吋與13吋的捲盤

8.2.1.3.6 Automatic tape & reel loading / unloading .STI: loading and unloading of reel are manual.

料帶自動安裝與輸出入。

8.2.1.3.7 Output system with jam tape detector

收料端系統需可偵測卡tape

同軸光及環燈調整,圖形辨認定位

[STI: Wafer Station: OnAxis Light; Top Station: OnAxis Light; Inpocket Station: OnAxis Light + C Light; Postseal Station: OnAxis Light + Octagon Light]

8.2.1.10.3 FOV range : 0,5mm - 12mm

FOV 範圍: 0.5mm - 12mm

[STI: Wafer station: 4 ~ 11mm; Top station: 5 ~ 11mm; Inpocket: 4 ~ 12mm; Postseal: 6 ~ 17mm]

8.2.1.10.4 Inspection system :

8.2.1.10.4.1 Topside Inspection

1) Ink dot recognition- Standard, black or colored ink dot, programmable window and sensitivity.

黑色或彩色墨水點辨認功能,可程式設定偵測範圍與敏感度

[STI: No color camera. Depends on contrast to detect. Inspection

Vendor		Sxx	
Compare item		STxx	
Die size range		0.5*0.5mm~6*6mm	
CCD resolution (Pixels)	1st_bumpsite	1M	
	2nd_DOF	1M	
	3rd_5s	4M1	
	IR	X	
	4th_backside	1M	
	5th_seal quality	1M	
6th_backside			
CCD Accruacy (pixels)		3	
Pickup Method		Linear: Pickup head*2 set Place head *1 set	
Pick-up Accuracy (um)		25um	
UPH	3.0x3.0	W/O 5S	10~12K
		W/ 5S	6K
	0.5x0.5	W/O 5S	6K
		W/ 5S	4K
Misplacement PPM	3.0x3.0	300 - 500	
	0.5x0.5	800	
Pick-up Fail PPM	3.0x3.0	100	
	0.5x0.5	100	
Hard CO	V Recipe Xchange index		90
	V Recipe Vchange index		140
E asy CO	X Recipe Xchange index		120
	X Recipe Vchange index		170