



Korea Semiconductor System
고려반도체시스템



Beyond Imagination Pick & Place System

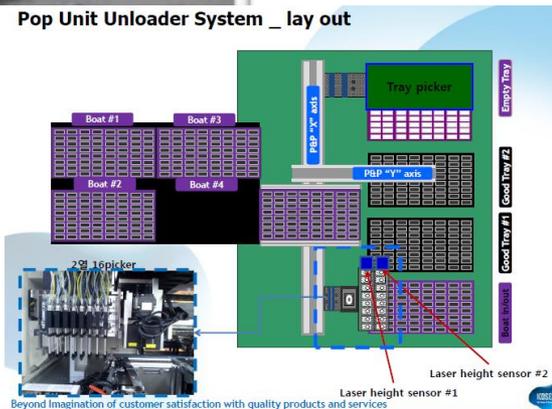




KPUM3000 (Boat to Tray)/ KPP400 (Tray to Boat)

Feature

- Encoder-typed precision position control
- Quick Conversion (below 5min)
- Laser Height Sensor
- Boat Size: 322.6mm X 135.9mm,
322.6mm X 160mm
- Tray Type: JEDEC, EIAJ, TOSHIBA, ELPIDA
- Package Size: Min. 6x6 ~ Max. 15x15

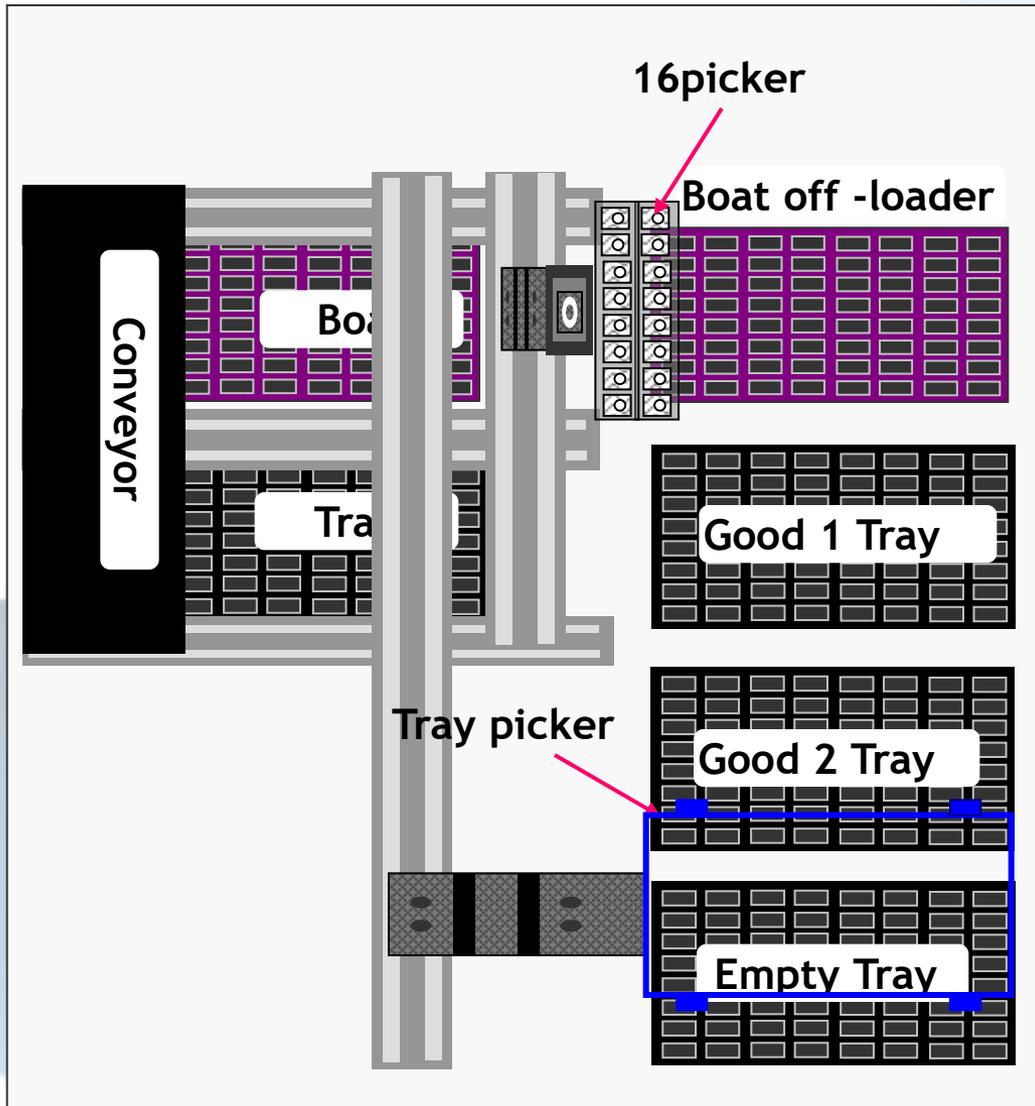


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▶ Pre stack offloader system



➤ Offloader

- . UPH (9.0K)
- . Easy to conversion
- . Empty loader 1 set
- . Good tray 2 set
- . Boat loader 1set

Pick and place

- . Changeable 16 Picker



▶ Pre-stack offloader system specification _ (1) Semiconductors

Item	KPUM-3000	Remarks
PKG handling	Boat to tray	
Application Package	Fan out POP	
Placement Accuracy	$\pm 50 \text{ um @}3\sigma, \theta = \pm 0.4^\circ$ *Depend on Boat wall tolerance	
Inspection *Laser sensor resolution		
Boat Size	300mm X 130mm	
Tray type	JEDEC, EIAJ, TOSHIBA, ELPIDA	
Package size	Min. 6 X 6 ~ Max.15 X 22	
On/off loading	Tray stack	
UPH	9.0K	
PKG alignment mechanism	Tray alignment	
Pick up head	16Picker pitch changeable type	



▶ Pre-stack offloader system specification _ (2) Semiconductors

Item	KPUM-3000	Remarks
1st Pass Yield	99.98%	
Up time	99%	
MTBF	168hrs	
MTBA	8hrs	
Power	AC220V, 1Phase 50/60Hz, 50A	
Compressed Air	Approx 450L/min	
Foot Size	1550(L)X1250(W)X1700(H)	



End Presentation

Thank You

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