

# DECAN S1- Hanwha Fast & Flexible Mounter

## I. Description

Provides optimum productivity necessary for batch production by visibly improving three indicators of a chip mounter.

- 1. Improves actual productivity
- 2. Improves placement quality
- 3. Reduces loss rate



## II. Features

**1. Flexible Production** - Highest Applicability of Medium Speed Chip Mounters to PCBs

510 x 510mm (standard) / 1500 x 460mm (optional) - Possible to produce PCBs of up to 1,500mm(L) x 460mm(W) in size.

**2. High Reliability** - Places Microchips Stably

Performs automatic calibration during production to keep placement accuracy constant Maintains pickup and placement quality with the Nozzle Maintenance Unit

**3. Productivity** - Highest Performance among Chip Mounters of the Same Class

Increases the component recognition range using a high-pixel camera  
Increases simultaneous pickup rate and odd-shape component placement speed.

**4. Easy Operation** - Increases Operational Convenience

Teaches a large odd-shape component easily and reduces teaching time  
Equipped with the function to unify the lighting level of chip components and maintains the pickup coordinates of common feeders

## III. Technical Parameters

Model Name		DECAN S1
Alignment		Fly Camera+Fix Camera
The number of spindles		10 spindles x 1 Gantry
Placement Speed		47,000 CPH (Optimum)
Placement Accuracy	Chip	±28um@Cpk≥ 1.0
	IC	±35um@Cpkz 1.0
Component Range	Fly Camera	03015~16mm
	Fix Camera	~42mm(Standard)
		42mm~55mm(MFOV) L55mm~L75mm Connector (MFOV)
	Max.Height	10mm(Fly),15mm(Fix)
PCB Size (mm)	Min.	50(L)x40(W)
	Max	Standard 510(L)x510(W)

	.	Option	~Max.1,500(L)x 460(W)
PCB Thickness			0.38~4.2(mm)
Feeder Capacity (8mm standard)		Standard	60ea/56ea(Fixed feeder base/Docking Cart)
		Option	120ea/112ea(Fixed feeder base/Docking Cart)
Utility	Power		3Phase AC200/208/220/240/380/415V
			Max.3.5kVA
	Air Consumption		5.0~7.0kgf/c m²
			50Ne/min (Vacuum Pump)
Weight(kg)		Approx.1,600	
External Dimension (mm)		1,430(L)x1,740(D)x1,485(H)	