

STAR ECO Profile

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Issued by	Star Micronics Co., Ltd.

Product	Classification	POS printer		
	Model name	TSP650(Model with cutter)		
	Basic information	Dimensions	Width 142mm × Depth 202mm × Height 132mm	
		Weight	Approx. 1.72kg *Main unit only, excluding roll paper	
Remarks				
Additional information				

Applicable Standard	EU RoHS&WEEE Directive
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			applicable	N/A	exempt
1. Reactions against hazardous chemical substances	Main Unit Consumables Accessories	a. Main unit, consumables and accessories comply with EU RoHS standard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		b. Main unit, consumables and accessories do not contain PCB (polychlorinated biphenyl) or PCT (polychlorinated terphenyl) which produces water pollution or dioxin when burnt.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		c. Main unit, consumables and accessories do not contain ozone depleting substances such as chlorinated organic compounds or organobromine compounds defined in Montreal Prot	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		d. Main unit, consumables and accessories do not contain SCCP (short chain chlorinated paraffins) which produce environmental pollution.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		e. Housing plastic parts > 25g do not contain organic halogen compounds.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		f. Insulator of electric cable does not contain PVC (Polyvinyl Chloride) or organic halogen compounds.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		g. Printed circuit boards > 25g do not contain organic halogen compounds.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		h. Main unit, consumables and accessories do not contain cancer-causing asbest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		i. Chlorine bleaching agent is not used for attached documents.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Battery	As the secondary battery, it does not use lead, cadmium, mercury, or their comp	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Packing	a. The packing of the main unit complies with EU RoHS standard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		b. The packing of the main unit do not contain ozone depleting substances such as chlorinated organic compounds or organobromine compounds defined in Montreal Protoc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		c. The plastic material which is used for the packing of the main unit does not use PVC (Polyvinyl Chloride) which produces dioxin when burnt or organic halogen compounds which is harmful to human l	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Procurement	No prohibited substance, which is defined in STAR Green Procurement Guideline, is contain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Power consumption	a. The product has power saving mode.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. Information about electric power *Power supply type and electric power value (including power supply) at each mode are described Value :: when printing 31W at print ready 2.2W at system OFF 0.46W(by AC Adaptor) Measurement condition : Main unit TSP650(I/F:USB) + AC Adaptor(PS60A-24B)				
3. Safety	Safety standard	The product acquires safety standard that is compatible with IEC60950.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	EMC	The product complies with EMC (Electromagnetic compatibility) directive.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Environment friendliness	Consideration at designing	a. The parts which requires to be separated are easily separated with general tools such us screwdriver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		b. The inlay metal for plastic parts is separated easily with general tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		c. Labels are peeled easily *except safety label	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		d. Plastic parts are not painted nor plated to prevent from separation except functionally required at the very least.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		e. Plastic parts > 25g are displayed with the name of material.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		f. Housing plastic parts > 25g are displayed with the code of flame retardant.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		g. Printed circuit boards > 25g are displayed with the code of flame retardant.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Product functions	The product has paper saving mode. Saving mode :	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Accessories Consumables	a. Attached documents are made of recycled paper, and they are not processed nor coated which prevents paper from recycling.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		b. To save paper, manuals are made of electronic data (web) or CD-ROM.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		c. Material Safety Data Sheet (MSDS) of ink ribbon is prepared.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Battery	Secondary battery can easily be removed with one's bare hand or general tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Product packing	a. To make recycling easier, material code of package is displayed except the pac which is difficult to display.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Package does not use expanded polystyrene (EPS).		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Production base	The products are manufactured at ISO14001 certified factory.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Evaluation	Life cycle assessment is implemented and utilized.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Resource saving	Recycled paper	Cardboard which is used for packing contains recycled used paper.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Recycled plastic	Housing plastic parts > 25g are made of recycled plastic material. Percentage %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Product life	Parts reserve period	Service parts are reserved more than 5 years after finishing its production.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>