

Product Data Sheet

Tek-BC-40 "Teknek Single Lane Board Cleaner"

Model	Tek-BC-40 " Teknek Single Lane Compact Cleaner "	
Type	Top Side Board Cleaner	
Cleaning Rollers	Designed and Manufactured in the UK	
Construction	Designed and Assembled in the UK	
Machine Covers	Zintec - Power Coated - Colour / P8080 Silver / Eggshell / EP Metallic	
Machine parts	Zintec - Power Coated - Colour / PAL-9002 - Gloss Ripple	
Motors	Aluminium - Stainless Steel - Delrin	
Conveyor Belts	ZL Tech	
Controls - Interface	SABLES - GT2 2.5mm Wide 1040mm Long "Meets ANSI s20.20"	
Software	Industrial Controller - WAGO	
Anti Static System	Developed in the UK	
Anti Static Bar	KESD China	
Pneumatics	1 x KESD Bar	
Power Supply Unit	FESTO	
Bearings - Linear Rods etc	Meanwell	
Alarm Beacon	China Bearing & Bush Co	
Effective Cleaning width	QI-FENG	
	400mm	

Services	Electrical	85 - 265vAC
	Power consumption	<200 Watts
	Air Pressure	5 - 7 bar
	Air Pipe	6mm OD
	Air Quality	Oil Free/Dry
	Air Consumption	0.62800L/Cycle

Cleaning Rollers x 2	Base Material	GNT - Silicone 40Å NT - Silicone 50Å Nanoclean - Urethane - 55Å
	Overall Standard	ISO 6123 Class A - Part 1 - 2 - 3
	Straightness	0.1mm/m
	Roller Diameter	Ø 37.4mm
	Construction	Aluminium Tube & Spigots + Acetal Drive

Adhesive Roll x 1	Base Material	GAR - Moisture Stable Paper - Temp Max 80°C / Min 5°C SAR - Moisture Stable Paper - Temp Max 80°C / Min 5°C AREF - ECO - Polypropylene - Temp - Max 80°C / Min 5°C Water Based Acrylic Adhesive
	Diameters - Ø	ID - 76mm / OD - 100mm

Machine Weight	100KG
Load Per Standing Foot	245N
Stand Options	Stand - 900mm ± 50mm

Operation	Mode	Clean By-Pass Uni-Directional flow
	Flow direction	L - R or R - L
	Speed Range	2 - 22m/min
	Speed Accuracy	0.1m/min - 99.9%

Board Processing Single Side Cleaning	Min - Max Length	50 - 350mm - Long Board option available for boards longer than 350mm
	Min - Max Width	40mm - 400mm
	Min - Max Thickness	0.6mm - 6.0mm
By-Pass No Cleaning	Min - Max Length	50 - 350mm - Long Board option available for boards longer than 350mm
	Min - Max Width	40mm - 400mm
	Min - Max Thickness	0.6mm - 6.0mm

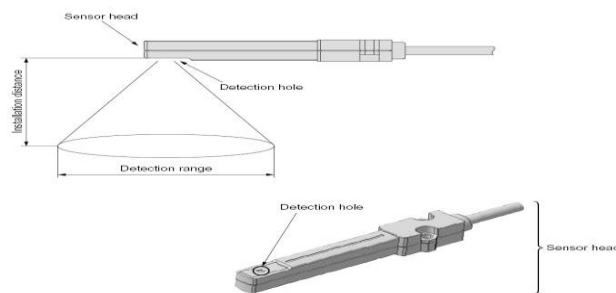
Operating Functions	Fixed Rail Front Top Clean with under side Brush Support By-Pass Mode Brush and Vacuum - Optional top side ONLY
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Communications	SMEMA - Thomas & Betts - T9321P-T2 Thomas & Betts - T178SR - 45 Thomas & Betts - T1710 - P14 CFX Network Cable CAT 5 or 6 MES - Apollo Stand Alone - Manual control
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Option BOFA - DP 400	Specification	BOFA or Alternative " Vacuum Extraction System " Dimensions: Height 510mm Depth 256mm Width 280mm Weight: 9.1Kg Voltage: 115-230V Frequency: 50/60Hz Full load current: 12.5A Power: 1100w Capacity:400m3/h
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Static Monitoring Sensors SMC - Electrostatic Sensor



Potential measurement	±0.4 kV (at detection distance: 25 mm)
Output voltage	1 to 5 V (Output impedance: Approx. 100 Ω)
Effective detection distance	10 to 50 mm
Linearity	±5% F.S. (0 to 50°C, at detection distance: 25 mm)
Output delay time	100 ms or less
Power supply voltage	24 VDC ±10%
Current consumption	40 mA or less
Operating ambient temperature	0 to 50°C
Operating ambient humidity	35 to 85% Rh (with no condensation)
Material	Head case : ABS Amplifier case : ABS
Vibration resistance	Durability 50 Hz Amplitude 1 mm X, Y, Z each 2 hours
Shock resistance	100 m/s²
Weight	185 g (including cable weight)
Compliance with EN standards	Protective class : Class III (EN60950-1) Pollution Degree 3 CE marking : Low voltage directive : 73/23/EEC, 93/68/EEC
EMC directive	89/336/EEC, 92/31/EEC, 93/68/EEC, 2004/108/EC
UL standard	UL508