

Tek-BC-20/20C Low Static Cleaning Systems for Bare Boards



Residue-free Cleaning of Bare Boards

The Tek-BC-20 and 20C is the next generation of “Low Static” board cleaners for the SMT industry.

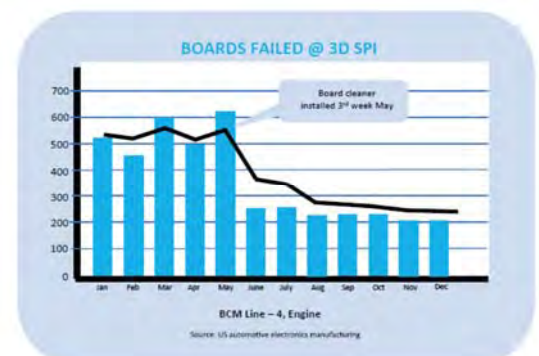
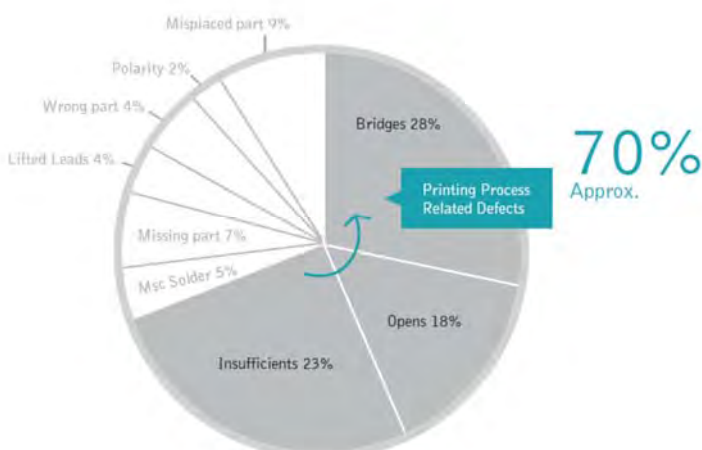
Known throughout the SMT world for our cleaning technology, these ground-breaking products offer your process so much more.

Inspired by a new Teknek 2.0 philosophy, these multi-functional products are fully Industry 4.0 compatible both for M2M communication and automated board handling.

Specification	Tek-BC-20	Tek-BC-20C
Product	Single Lane Board Cleaner	Single Lane Board Cleaner
Operating Modes	Single sided cleaning / by-pass	Singled side cleaning / by-pass
Roller Types	SMT NT™ / Nanocleen	SMT NT™ / Nanocleen
Adhesive	GAR / AREF	GAR / AREF
Board hold conveyor	Standard	Not available
Process speed	1 - 22m/min	1 - 22m/min
Pass height	900±50mm	900±50mm
Mains Power	85 - 265vAC	85 - 265vAC
Air supply	5-7 bar ‘OIL FREE AIR’	5-7 bar ‘OIL FREE AIR’

Product Complicance	Tek-BC-20/-20C
Machine	ANSI / ESD s6.1 - 2014 & IEC 61340-5-1-2016
All rollers	ISO 6122 CLASS A
NT™ / NANOCLEEN™	ANSI / ESD s20.20 - 2014
All Adhesives	FINAT

SMT Data



Benefits



Low Static Cleaning

COMPLIES WITH ANSI / ESD S20.20 – 2014

Why run the risk of Static Discharge in your cleaning process?

Every part of the Tek-BC-20 & 20C has been designed to clean boards in a “Low Static Environment “. This is achieved through great design principals along with patented elastomer and adhesive technology. As processes strive to control ESD & EOS, this new “Low Static” technology meets international standards.



IPC-HERMES-9852

100% CONNECTED

Communication between equipment throughout the SMT process has never been more important. Not only will the Teknek products fully integrate into the process, they also come with IPC-Hermes – 9852 or SMEMA capability. M²M communication is also available on request.

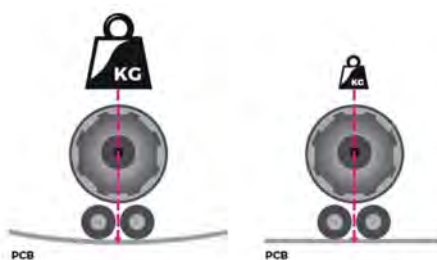
Network



Interface

POWERFUL HEART

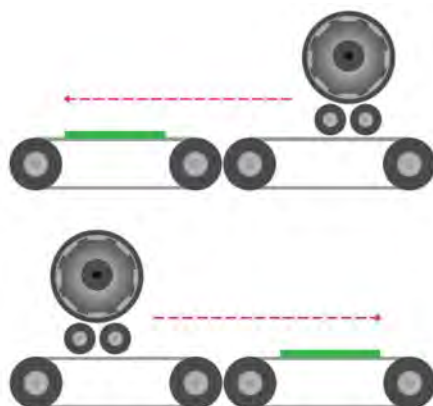
An industrial controller is the heart of the Tek-BC-20 & 20C range. Accessed by the operator through a 10” touchscreen, simple easy to understand Icons reduce operator training time. The system is linked to an intelligent internal and external patented monitoring system which gives the operator real time feedback.



Low Applied Pressure

DON'T RISK INTERNAL DAMAGE

As the technology within finished boards increase and the overall thickness reduces, the need to control the applied pressure is vital. A simple input by the operator or an instruction through Hermes will automatically set the height of the cleaning rollers. This ensure the optimum pressure is applied to the top surface of the board, removing possible over stress of the boards.

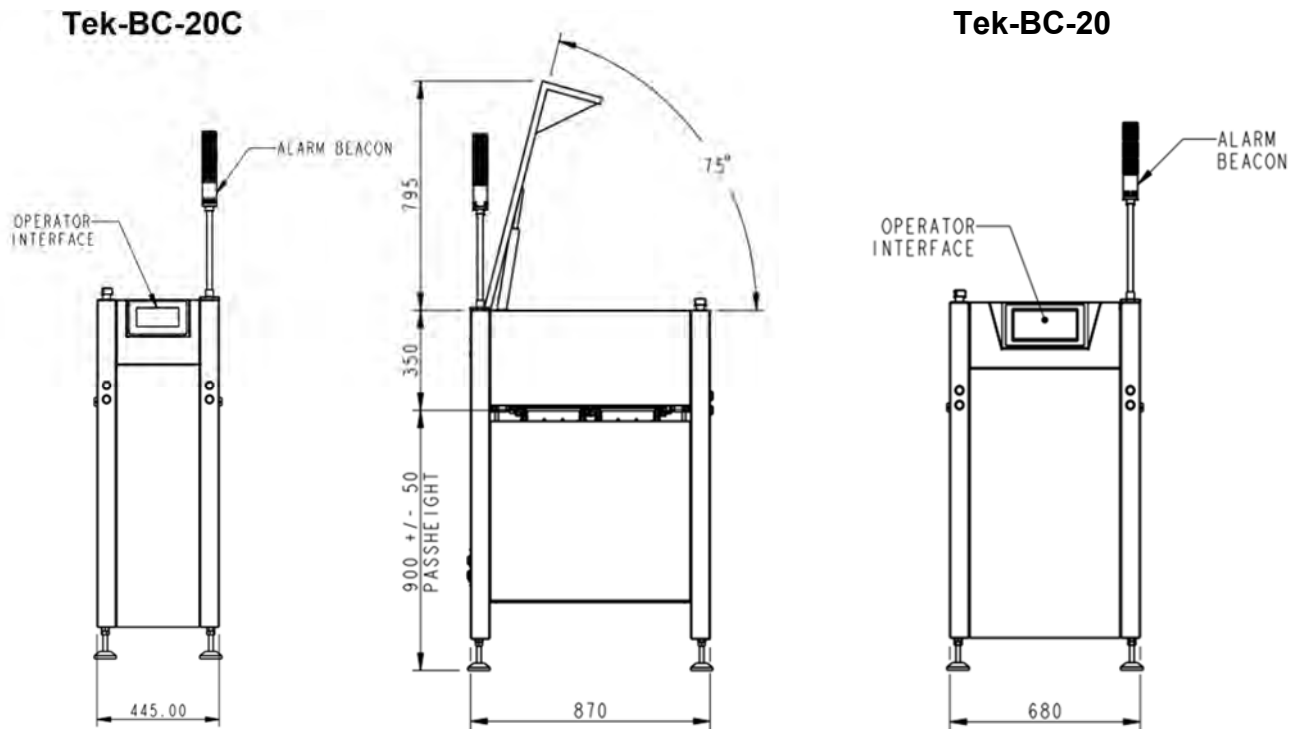


Split Conveyor System

INCREASE PRODUCTIVITY

As standard the Tek-BC-20 is supplied with a unique split internal conveyor system. This has been created to ensure, at all times, there is a clean board available on the Holding Conveyor zone to be called in by the printer. This feature reduces cycle time and increases productivity.

Machine Dimensions



Capability

Tek-BC-20 Clean & By-Pass	Min - Max Length Min - Max Width Min - Max Thickness	50mm - 350mm 40mm - 400mm 0.6mm - 3.2mm
Tek-BC-20 Board hold	Min - Max Length Min - Max Width Min - Max Thickness	50mm - 350mm 40mm - 400mm 0.6mm - 3.2mm
Tek-BC-20C Clean & By-Pass	Min - Max Length Min - Max Width Min - Max Thickness	50mm - 350mm 40mm - 400mm 0.6mm - 3.2mm
Tek-BC-20C Board hold	Min - Max Length Min - Max Width Min - Max Thickness	N/A