

# SMT CLEAN MACHINE

**teknek**

An ITW Company



# SMT CLEAN MACHINE

The NEW 2009 SMT Clean Machine from Teknek has been specifically designed to remove contamination from bare boards before solder paste, adhesive application and after laser marking. The design of the machine will ensure full integration into all SMT lines, providing your process with the best contact cleaning system in the world.

The Teknek Cleaning Core inside the New SMT is now available in a truly silicone free system. Nanoclean technology ensures all particles, even at sub-micron levels are lifted and transferred to a pre-sheeted Nanoclean Adhesive Roll. This new technology pushed the boundaries of contact cleaning to a new and higher Teknek Level.

## SPECIFICATION

Available in different cleaning widths	300 - 400 - 600
Operating modes	Double Sided - Bypass Single Sided - Bypass
Processing Speed	1 - 40 m/min
Pass line height	900 +- 50mm
Power Supply	Universal Power supply
Pneumatic Pressure required	5 - 7 Bar " Oil free air "

*Note:* The standard SMT machine will process boards from a minimum of 40mm wide and 120mm long.



## FEATURES

## BENEFITS



Access to the Teknek Cleaning Core Nanoclean™

Innovators in contact cleaning, Teknek have responded to changing customer demands and with Nanoclean have re-invented contact cleaning technology. Operators have full access to both cleaning rollers and Teknek pre-sheeted adhesive rolls, ensuring full integration of the SMT Clean Machine into the production line.

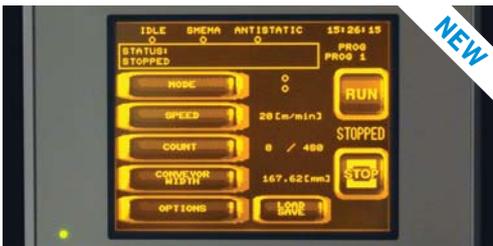
*Note:* Original Teknek elastomer rollers and pre-sheeted adhesive combination is available in all new SMT's.



Internal Conveyor System

The internal conveyor system supports the edges of the board throughout the cleaning process. This SMT industry standard method of transporting the board through the machine allows for any width of board to be processed.

*Note:* Different types of Product Guides are available depending on the material to be processed.



Touch Screen interface

This new easy to use, multi lingual touch screen panel is the interface between the operator and machine. The customer has the ability to save different programmes for a variety of boards, this feature speeds up the change over period and reducing down time.



Board Support System

This new feature is a unique, fully adjustable support system ensuring the boards being processed are held in contact with the top cleaning module regardless of width and or thickness.



Anti Static Monitoring

This optional feature can be set to stop the machine and alarm if the static charge on the surface of the exiting board is above the customers' set limits. These limits can be adjusted and stored with in the machine software and displayed on the touch screen.

*Note:* This system is only a guide to the general levels of static on the surface of the material.



Alarm Beacon

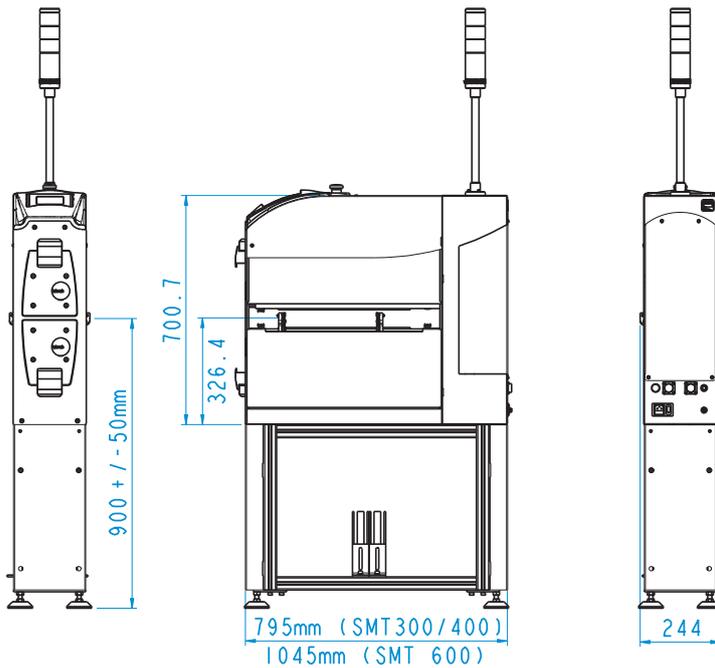
The staged Alarm Beacon ensures at all times that the operator is aware of the running condition of the machine. The ability for the customer to adjust the height of the beacon is possible, ensuring consistency along the line. Volume control is also a standard feature on the beacon.

# SMT CLEAN MACHINE



An ITW Company

## TECHNICAL SPECIFICATION



*Note:* The standard SMT clean machine has a cleaning width of 400mm. It is also available with a cleaning width of 300mm and 600mm.



World leading Teknek Nanoclean™ cleaning core. Nanoclean™ is a silicone and static free system that is capable of cleaning particles smaller than 1 micron. Ideal for thin, sensitive materials such as polyimide, polyester, copper etc.

The solvent free Nanowipe is used to maintain the cleaning properties of the Nanoclean roller.



Teknek also produce a range of desktop cleaning products.

Combined with the Nanoclean™ range of rubber rollers and adhesive, they provide the first silicone and static free semi automatic cleaning station.

The best just got better!  
[www.teknek.com/desktop](http://www.teknek.com/desktop)

### WORLD LEADER IN CONTACT CLEANING

 **Teknek Head Office**  
River Drive  
Inchinnan Business Park  
Renfrewshire, PA4 9RT  
Scotland, UK

T: +44 (0)141 568 8100  
F: +44 (0)141 568 8101

 **Teknek Japan Ltd**  
1-2-4, Minatojima-Nakamachi,  
Chuo-ku,  
Kobe 650-0046  
Japan

T: +81 (0)78 304 5780  
F: +81 (0)78 304 5781

 **Teknek China Ltd**  
1505 Haitong Security Building  
No. 689 Guangdong Road,  
Huangpu Area, Shanghai  
China 200001

T: +86 (0)21 3311 0329  
F: +86 (0)21 3311 0330

 **Teknek (Simco-Ion)**  
2257 North Penn Road  
Hatfield,  
PA 19440  
USA

T: +1 215 822 6401  
E: [ussales@teknek.com](mailto:ussales@teknek.com)