

### Description

**MiraSWAB 1500 Series** employs a unique multi layer tip design to enhance cleaning efficacy. The dual layer tip design employs a microfiber fabric as the cleaning surface over either an inner fabric or foam layer. This two-layer design allows the microfiber to evenly and smoothly interact with the substrate to provide optimal cleaning performance. Tips are constructed with thermal bonding techniques and are completely free of adhesives that may cause contamination. The swab is clean room washed to achieve ultra low particle and extractable levels.

MiraSWAB is available in a variety of tip designs and handle lengths to offer precision cleaning for hard to reach areas. MiraSWAB 1600(FC) series swabs with an inner foam layer are ideal for cleaning blind and recessed areas as the foam conforms to the surface enhancing first pass cleaning performance. MiraSWAB(TC) swabs are ideal for cleaning optical surfaces with solvents such as acetone, ethyl ether and methanol.

### Common Characteristics and Benefits

- Micro Fiber over Polyester fabric construction is ideal for use with aggressive solvents such as IPA, acetone, Kyzen, MEK and Ethyl/Ether.
- Super soft foam core enables the swabs to conform to articulated surfaces for good cleaning efficiency.
- Micro fiber fabric enables excellent removal of difficult to remove stains and particles.
- Proprietary cleaning process ensures low extractable for streak free cleaning.



### Applications





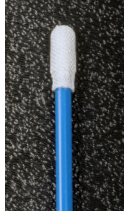
- Cleaning stains and particles from scratch sensitive optics and optical assemblies
- Cleaning applications that require IPA, acetone, MEK, NMP and Kyzen
- Cleaning blind surfaces such as O-ring grooves and ink jet print heads
- Replacing Cotton and Chamois swabs in applications requiring cotton like absorbency without the fibers
- Removing excess materials in fine assembly operations

### Physical Properties

	<b>FC Versions</b>	<b>TC Versions</b>
Tip/Outer	MiraWIPE® Micro Fiber Clean Room Fabric	MiraWIPE® Micro Fiber Clean Room Fabric
Tip/Inner	100PPI Ester Based Polyurethane Foam	Clean Room Polyester Fabric
Handle	Polypropylene	Polypropylene

# Swab Models

Measured in Millimeters. ± 0.02

Product Name	HT1500FC	HT1501FC	HT1502FC	HT1529TC	HT1541TC
					
Head Material	MiraWIPE® / Foam			MiraWIPE® / Polyester	
Head Thickness	4.9	3.3	2.7	2.4	3.2
Head Width	10.7	5.9	3.9	3.9	3.7
Head Length	21.8	17.8	10.4	9.8	10.5
Handle Material	Polypropylene				
Handle Diameter	2.9	2.9	2.5	2.5	3.7
Handle Length	120	133.7	59.1	58.8	57.7
Total Length	141.8	151.5	69.5	68.6	68.2
Head Bond	Thermal				
Handle Color	Blue				Blue
Tip Description	Rigid Oval	Flexible Oval	Flexible Conical	Flexible Paddle	Small Round Tip

## Cleanliness

**Particles** (> via LPC >.5µm)  
per swab tip  
**<1200**

**NVR** (mg/swab)  
DI H<sub>2</sub>O  
**<.10**

**Ionics** (Via IC in mg/swab)

Chloride **<.22**

Sulfate **<.06**

Sodium **<.05**

Fluoride **<.2**

Nitrate **<.05**

Magnesium **<.05**

Free of Silicone/Amide/DOP

FOR TECHNICAL SUPPORT AND SITE TRAINING: Please contact our technical assistance services at 760.599.7160 or e-mail: [info@foamtecintlwcc.com](mailto:info@foamtecintlwcc.com) and our staff will arrange for a technical service engineer or a field sales engineer to assist you.



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USA +1.760.599.7160 fax +1.760.599.7322 Thailand +66.35740717 fax +66.35740744