



Foamex
A S I A

Wilshire
Contamination
Control Division

cleaning critical surfaces

2007

www.foamexasiawcc.com

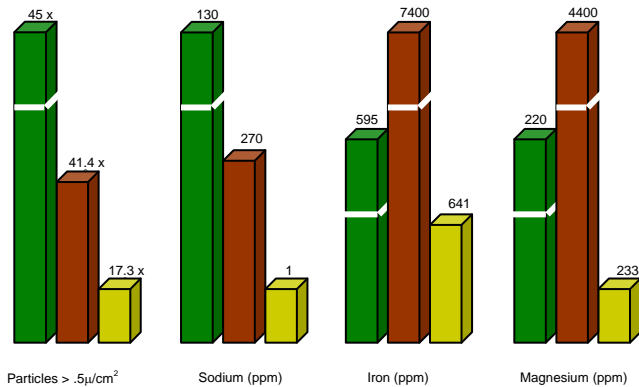
Mar 2007

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FOAMEX ASIA WCC EXECUTIVE SUMMARY

WHY CONSIDER USING FOAMEX ASIA CLEANING TECHNIQUE?



■ Green ScotchBrite™
 ■ Red ScotchBrite™
 ■ UltraSOLV® Diamond ScrubPAD



REDUCE SODIUM & METAL CONTAMINANTS

ELIMINATE HAZARDOUS CHEMICALS, SUCH AS H₂O₂



BEFORE



AFTER

REDUCTION OF WASTE



**REDUCE DOWNTIME
REMOVE MORE PARTICLES FROM CHAMBER**

International prices may vary due to Import Duties, taxes and transportation.

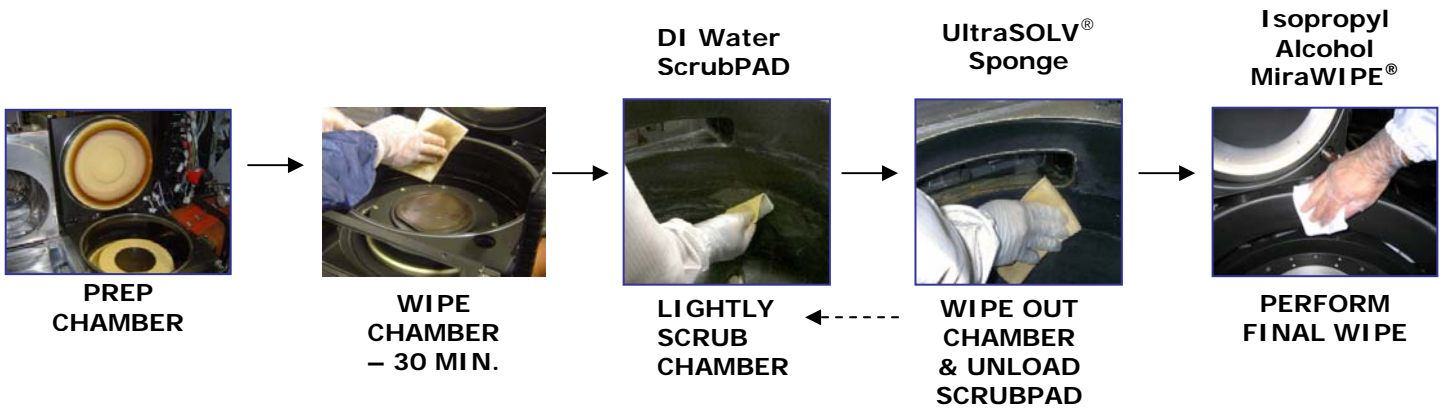
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Customer Service: 1-866-922-7160 Ext 341, Fax 1-760-599-7322

Foamex Asia Cleaning Technique

Foamex Asia, WCC has developed a cleaning technique that allows Semiconductor tool owners the ability to effectively clean their tool's critical surfaces without the use of ScotchBrite or hazardous solvents (i.e. Hydrogen Peroxide). The Foamex Asia Cleaning Technique targets the areas in toolsets (Implant, ETCH, CVD, HDP, TxZ, etc.) where it is critical to remove deposition in a timely manner.

Our proven method of cleaning has provided our customers with a substantial increase in tool efficiency by reducing PM green-to-green time, reducing defects, reducing PM recovery times and improving tool performance.



BEFORE

PLEASE CONTACT AREA MANAGER TO SCHEDULE A DEMONSTRATION OF FOAMEX ASIA'S CHAMBER CLEANING TECHNIQUE

NM, Asia & Europe

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AFTER

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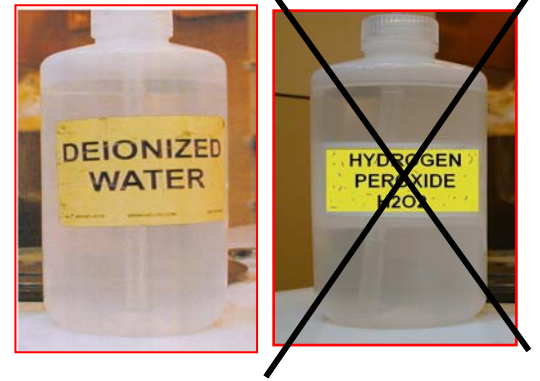
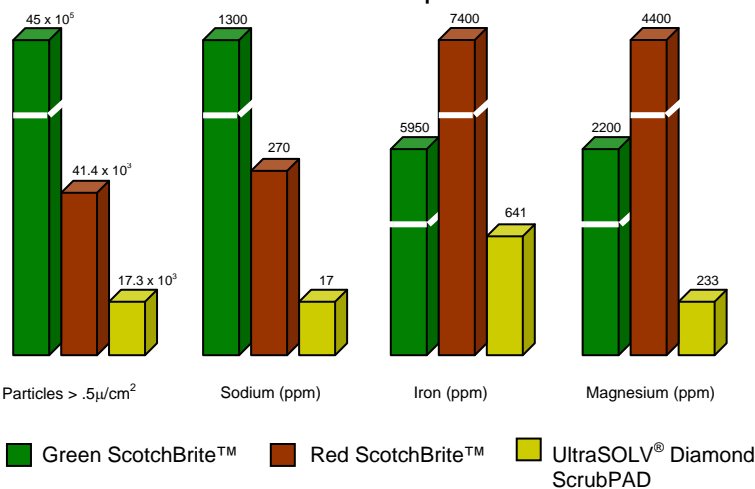


ErgoSCRUB® Ergonomic Handle

ErgoSCRUB® Ergonomic Handle For use with the ScrubDISK®

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
FT900 Soft Handle For use with Pressure Sensitive Adhesive Disk	1 Handle	\$8.89	10 Pkg (10 Handles)	\$88.89
FT950 Firm Handle For use with Pressure Sensitive Adhesive Disk	1 Handle	\$13.38	10 Pkg (10 Handles)	\$133.77
FT901 Soft Handle For use with hook and loop Disk	1 Handle	\$8.89	10 Pkg (10 Handles)	\$88.89
FT951 Firm Handle For use with hook and loop Disk	1 Handle	\$13.38	10 Pkg (10 Handles)	\$133.77

UltraSOLV® ScrubPADs and ScrubDISKS® are patented scrubbing tools for use in PM procedures on process equipment in semiconductor, flat panel display, optical component and hard disk drive industries. The availability of various sized diamond, silicon carbide and aluminum oxide abrasives allow for safe and efficient scrubbing of the most difficult to clean process chambers. UltraSOLV® ScrubPADs and ScrubDISK®s, used in conjunction with UltraSOLV® Sponges, Wipers, and Swabs, reduce cleaning times, pump down times and contamination levels for critical process tools.



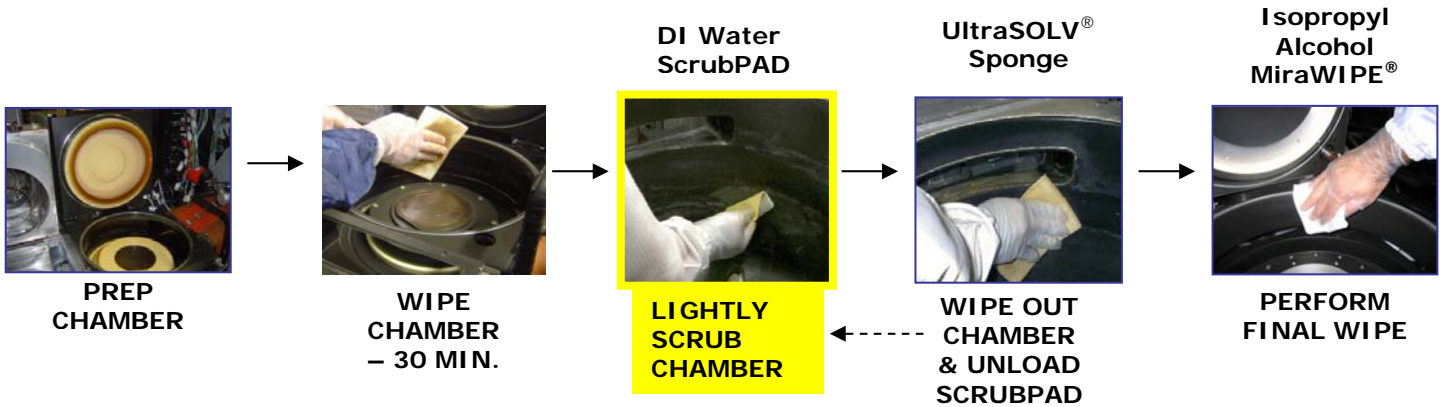
ELIMINATE HAZARDOUS CHEMICALS, SUCH AS H₂O₂

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Foamex Asia Cleaning Technique



UltraSOLV® ScrubDISKS® Diamond Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4514DC3G-1, 140 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4518DC3G-1, 180 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4522DC3G-1, 220 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4528DC3G-1, 280 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15

Continued on Page 7

UltraSOLV® ScrubDISKS® Diamond Grit . . . Continued

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4536DC3G-1, 360 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4580DC3G-1, 800 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4513PDC3G-1, 1350 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4520PDC3G-1, 2000 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4530PDC3G-1, 3000 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4540PDC3G-1, 4000 D Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4514DC3-1, 140 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4518DC3-1, 180 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4522DC3-1, 220 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4528DC3-1, 280 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4536DC3-1, 360 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4580DC3-1, 800 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4513PDC3-1, 1350 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4520PDC3-1, 2000 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4530PDC3-1, 3000 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15
HT4540PDC3-1, 4000 D Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK®	\$21.83	100 Pkg (100 DISKS)	\$2,183.15

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UltraSOLV[®] ScrubDISKS[®] Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4514C3G-1, 140 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4518C3G-1, 180 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4522C3G-1, 220 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4528C3G-1, 280 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4540C3G-1, 400 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4560C3G-1, 600 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4580C3G-1, 800 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4512PC3G-1, 1200 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4515PC3G-1, 1500 SiC Grit 3.5" Disk, backed w/Pressure Sensitive Adhesive	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4514C3-1, 140 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4518C3-1, 180 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4522C3-1, 220 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4528C3-1, 280 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4540C3-1, 400 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4560C3-1, 600 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4580C3-1, 800 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4512PC3-1, 1200 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89
HT4515PC3-1, 1500 SiC Grit 3.5" Disk, backed with hook (loop on handle)	1 ScrubDISK [®]	\$5.78	100 Pkg (100 DISKS)	\$577.89

3.5" Circular Scratch Free ScrubDISK®

Part Number & Description	Packaging	Pkg Price	Case	Case Price
HT45206 Light Duty Scratch Free ScrubDISK® 3.5" Disk	1 ScrubDISK®	\$4.71	25 Pkg (25 ScrubDISKS)	\$117.72
HT45207 Medium Duty Scratch Free ScrubDISK® 3.5" Disk	1 ScrubDISK®	\$4.71	25 Pkg (25 ScrubDISKS)	\$117.72
HT45208 Heavy Duty Scratch Free ScrubDISK® 3.5" Disk	1 ScrubDISK®	\$4.71	25 Pkg (25 ScrubDISKS)	\$117.72

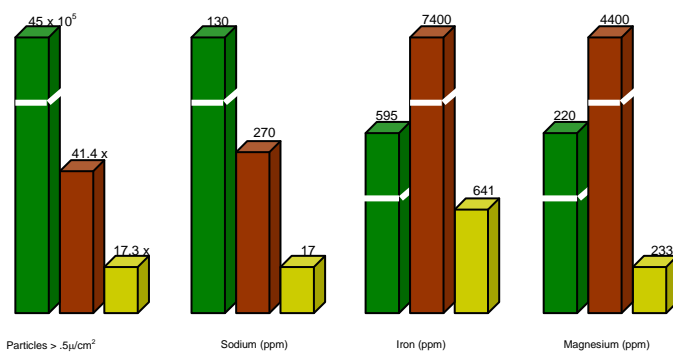
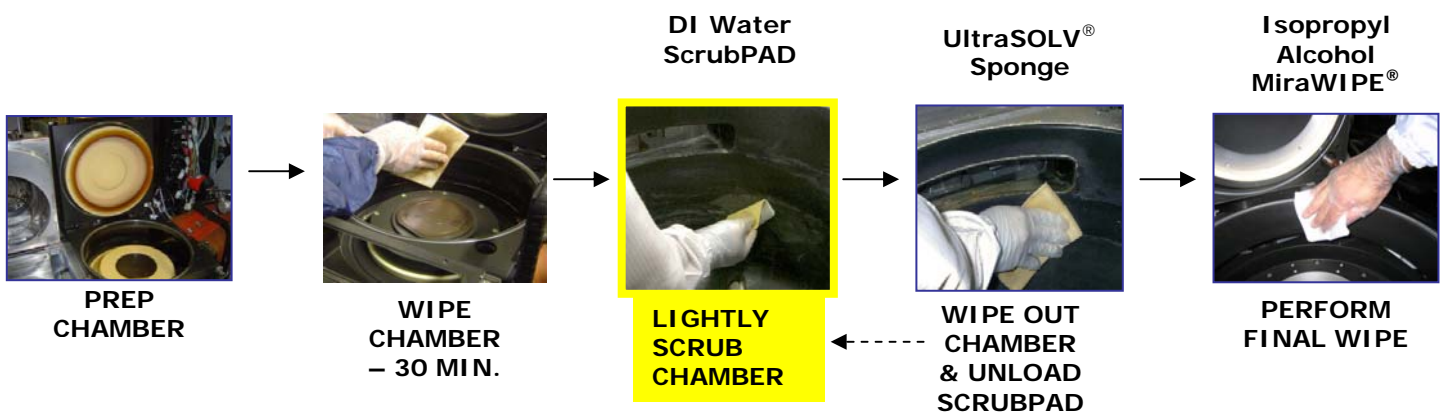
UltraSOLV® 5" ScrubDISKS® Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4518C5G-10*, 180 SiC Grit 5" Disk, backed w/Pressure Sensitive Adhesive	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4522C5G-10*, 220 SiC Grit 5" Disk, backed w/Pressure Sensitive Adhesive	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4528C5G-10*, 280 SiC Grit 5" Disk, backed w/Pressure Sensitive Adhesive	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4540C5G-10*, 440 SiC Grit 5" Disk, backed w/Pressure Sensitive Adhesive	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4560C5G-10*, 600 SiC Grit 5" Disk, backed w/Pressure Sensitive Adhesive	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4580C5G-10*, 800 SiC Grit 5" Disk, backed w/Pressure Sensitive Adhesive	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4518C5-10*, 180 SiC Grit 5" Disk, backed w/Hook (loop on handle)	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4522C5-10*, 220 SiC Grit 5" Disk, backed w/Hook (loop on handle)	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4528C5-10*, 280 SiC Grit 5" Disk, backed w/Hook (loop on handle)	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4540C5-10*, 440 SiC Grit 5" Disk, backed w/Hook (loop on handle)	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4560C5-10*, 600 SiC Grit 5" Disk, backed w/Hook (loop on handle)	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36
HT4580C5-10*, 800 SiC Grit 5" Disk, backed w/Hook (loop on handle)	10 ScrubDISK®	\$104.14	10 Pkg (100 DISKS)	\$1,041.36

Foamex Asia Cleaning Technique

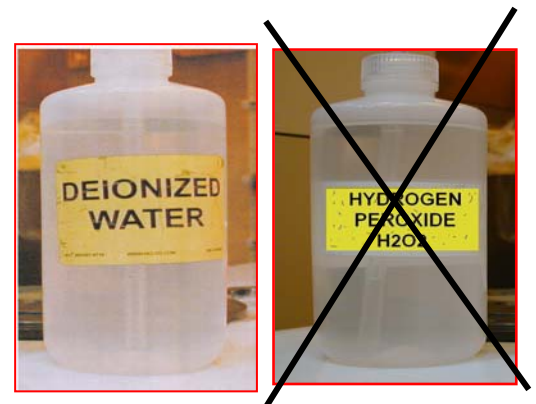
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■ Green ScotchBrite™
 ■ Red ScotchBrite™
 ■ UltraSOLV® Diamond ScrubPAD

REDUCE SODIUM & METAL CONTAMINANTS



ELIMINATE HAZARDOUS CHEMICALS, SUCH AS H₂O₂



ScrubPADS

cleaning critical surfaces

UltraSOLV® 3" X 4" ScrubPADs® - Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4510-10, ScrubPAD .078" X 3" X 4", 100 SiC Grit	10 ScrubPADs	\$35.06	50 Pkg (500 ScrubPADs)	\$1,752.75
HT4518-10, ScrubPAD .078" X 3" X 4", 180 SiC Grit	10 ScrubPADs	\$35.06	50 Pkg (500 ScrubPADs)	\$1,752.75
HT4522-10, ScrubPAD .078" X 3" X 4", 220 SiC Grit	10 ScrubPADs	\$27.22	50 Pkg (500 ScrubPADs)	\$1,360.94
HT4528-10, ScrubPAD .078" X 3" X 4", 280 SiC Grit	10 ScrubPADs	\$27.22	50 Pkg (500 ScrubPADs)	\$1,360.94
HT4540-10, ScrubPAD .078" X 3" X 4", 400 SiC Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.30
HT4560-10, ScrubPAD .078" X 3" X 4", 600 SiC Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.30
HT4580-10, ScrubPAD .078" X 3" X 4", 800 SiC Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.30
HT4512P-10, ScrubPAD .078" X 3" X 4", 1200 SiC Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.30
HT4515P-10, ScrubPAD .078" X 3" X 4", 1500 SiC Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.30

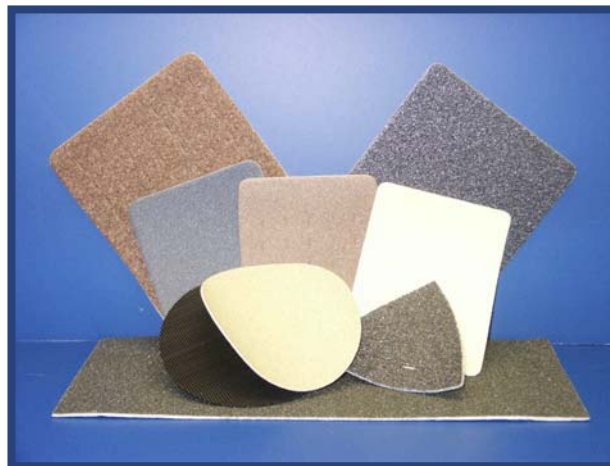
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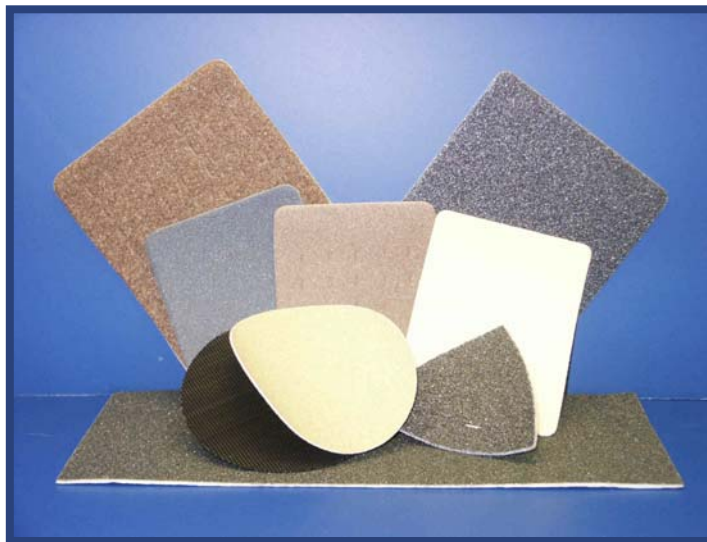
UltraSOLV® 3" X 4" Slit ScrubPADs® - Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4510S-10* , Slit ScrubPAD .078" X 3" X 4", 100 SiC Grit	10 ScrubPADs	\$29.95	50 Pkg (500 ScrubPADs)	\$1497.32
HT4518S-10* , Slit ScrubPAD .078" X 3" X 4", 180 SiC Grit	10 ScrubPADs	\$29.95	50 Pkg (500 ScrubPADs)	\$1497.32
HT4522S-10* , Slit ScrubPAD .078" X 3" X 4", 220 SiC Grit	10 ScrubPADs	\$29.95	50 Pkg (500 ScrubPADs)	\$1497.32
HT4528S-10* , Slit ScrubPAD .078" X 3" X 4", 280 SiC Grit	10 ScrubPADs	\$29.95	50 Pkg (500 ScrubPADs)	\$1497.32
HT4540S-10* , Slit ScrubPAD .078" X 3" X 4", 400 SiC Grit	10 ScrubPADs	\$29.52	50 Pkg (500 ScrubPADs)	\$1,475.94
HT4560S-10* , Slit ScrubPAD .078" X 3" X 4", 600 SiC Grit	10 ScrubPADs	\$29.52	50 Pkg (500 ScrubPADs)	\$1,475.94
HT4580S-10* , Slit ScrubPAD .078" X 3" X 4", 800 SiC Grit	10 ScrubPADs	\$29.52	50 Pkg (500 ScrubPADs)	\$1,475.94
HT4512PS-10* , Slit ScrubPAD .078" X 3" X 4", 1200 SiC Grit	10 ScrubPADs	\$29.52	50 Pkg (500 ScrubPADs)	\$1,475.94
HT4515PS-10* , Slit ScrubPAD .078" X 3" X 4", 1500 SiC Grit	10 ScrubPADs	\$29.52	50 Pkg (500 ScrubPADs)	\$1,475.94



UltraSOLV® 4" X 6" ScrubPADs® - Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4510-11*, ScrubPAD .078" X 4" X 6", 100 SiC Grit	5 ScrubPADs	\$40.92	20 Pkg (100 ScrubPADs)	\$818.47
HT4518-11*, ScrubPAD .078" X 4" X 6", 180 SiC Grit	5 ScrubPADs	\$40.92	20 Pkg (100 ScrubPADs)	\$818.47
HT4522-11*, ScrubPAD .078" X 4" X 6", 220 SiC Grit	5 ScrubPADs	\$40.92	20 Pkg (100 ScrubPADs)	\$818.47
HT4528-11*, ScrubPAD .078" X 4" X 6", 280 SiC Grit	5 ScrubPADs	\$40.92	20 Pkg (100 ScrubPADs)	\$818.47
HT4540-11*, ScrubPAD .078" X 4" X 6", 400 SiC Grit	5 ScrubPADs	\$40.51	20 Pkg (100 ScrubPADs)	\$810.29
HT4560-11*, ScrubPAD .078" X 4" X 6", 600 SiC Grit	5 ScrubPADs	\$40.51	20 Pkg (100 ScrubPADs)	\$810.29
HT4580-11*, ScrubPAD .078" X 4" X 6", 800 SiC Grit	5 ScrubPADs	\$40.51	20 Pkg (100 ScrubPADs)	\$810.29
HT4512P-11*, ScrubPAD .078" X 4" X 6", 1200 SiC Grit	5 ScrubPADs	\$40.51	20 Pkg (100 ScrubPADs)	\$810.29
HT4515P-11*, ScrubPAD .078" X 4" X 6", 1500 SiC Grit	5 ScrubPADs	\$40.51	20 Pkg (100 ScrubPADs)	\$810.29



International prices may vary due to Import Duties, taxes and transportation.

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Customer Service: 1-866-922-7160 Ext 341, Fax 1-760-599-7322

UltraSOLV® 4" X 6" Slit, ScrubPADs®- Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4510S-11*, Slit ScrubPAD .078" X 4" X 6", 100 SiC Grit	5 ScrubPADs	\$45.05	20 Pkg (100 ScrubPADs)	\$900.92
HT4518S-11*, Slit ScrubPAD .078" X 4" X 6", 180 SiC Grit	5 ScrubPADs	\$45.05	20 Pkg (100 ScrubPADs)	\$900.92
HT4522S-11*, Slit ScrubPAD .078" X 4" X 6", 220 SiC Grit	5 ScrubPADs	\$45.05	20 Pkg (100 ScrubPADs)	\$900.92
HT4528S-11*, Slit ScrubPAD .078" X 4" X 6", 280 SiC Grit	5 ScrubPADs	\$45.05	20 Pkg (100 ScrubPADs)	\$900.92
HT4540S-11*, Slit ScrubPAD .078" X 4" X 6", 400 SiC Grit	5 ScrubPADs	\$44.61	20 Pkg (100 ScrubPADs)	\$892.25
HT4560S-11*, Slit ScrubPAD .078" X 4" X 6", 600 SiC Grit	5 ScrubPADs	\$44.61	20 Pkg (100 ScrubPADs)	\$892.25
HT4580S-11*, Slit ScrubPAD .078" X 4" X 6", 800 SiC Grit	5 ScrubPADs	\$44.61	20 Pkg (100 ScrubPADs)	\$892.25
HT4512PS-11*, Slit ScrubPAD .078" X 4" X 6", 1200 SiC Grit	5 ScrubPADs	\$44.61	20 Pkg (100 ScrubPADs)	\$892.25
HT4515PS-11*, Slit ScrubPAD .078" X 4" X 6", 1500 SiC Grit	5 ScrubPADs	\$44.61	20 Pkg (100 ScrubPADs)	\$892.25



UltraSOLV® 4" X 6" Slit, Thick, ScrubPADs - Silicon Carbide (SiC) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4510S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 100 SiC Grit	5 ScrubPADs	\$48.40	20 Pkg (100 ScrubPADs)	\$968.07
HT4518S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 180 SiC Grit	5 ScrubPADs	\$48.40	20 Pkg (100 ScrubPADs)	\$968.07
HT4522S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 220 SiC Grit	5 ScrubPADs	\$48.40	20 Pkg (100 ScrubPADs)	\$968.07
HT4528S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 280 SiC Grit	5 ScrubPADs	\$48.40	20 Pkg (100 ScrubPADs)	\$968.07
HT4540S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 400 SiC Grit	5 ScrubPADs	\$47.98	20 Pkg (100 ScrubPADs)	\$959.69
HT4560S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 600 SiC Grit	5 ScrubPADs	\$47.98	20 Pkg (100 ScrubPADs)	\$959.69
HT4580S2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 800 SiC Grit	5 ScrubPADs	\$47.98	20 Pkg (100 ScrubPADs)	\$959.69
HT4512PS2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 1200 SiC Grit	5 ScrubPADs	\$47.98	20 Pkg (100 ScrubPADs)	\$959.69
HT4515PS2-11*, Slit Thick ScrubPAD .15" X 4" X 6", 1500 SiC Grit	5 ScrubPADs	\$47.98	20 Pkg (100 ScrubPADs)	\$959.69

International prices may vary due to Import Duties, taxes and transportation.

www.foamexasiawcc.com

Customer Service: 1-866-922-7160 Ext 341, Fax 1-760-599-7322

UltraSOLV® 3" X 4" ScrubPADs® - Diamond (D) Grit

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4514D-10, ScrubPAD .078" X 3" X 4", 140 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4518D-10, ScrubPAD .078" X 3" X 4", 180 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4522D-10, ScrubPAD .078" X 3" X 4", 220 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4528D-10, ScrubPAD .078" X 3" X 4", 280 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4536D-10, ScrubPAD .078" X 3" X 4", 360 D Grit	10 ScrubPADs	\$202.26	10 Pkg (100 ScrubPADs)	\$2,022.62
HT4540D-10, ScrubPAD .078" X 3" X 4", 400 D Grit	10 ScrubPADs	\$202.26	10 Pkg (100 ScrubPADs)	\$2,022.62
HT4580D-10, ScrubPAD .078" X 3" X 4", 800 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4513PD-10, ScrubPAD .078" X 3" X 4", 1350 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4520PD-10, ScrubPAD .078" X 3" X 4", 2000 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT4530PD-10, ScrubPAD .078" X 3" X 4", 3000 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15
HT454PD-10, ScrubPAD .078" X 3" X 4", 400 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15





UltraSOLV® 3" X 4" Slit, Diamond (D) Grit ScrubPADs

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4536DS-10, Slit ScrubPAD .078" X 3" X 4", 360 D Grit	10 ScrubPADs	\$202.26	10 Pkg (100 ScrubPADs)	\$2,022.62
HT4513PDS-10, Slit ScrubPAD .078" X 3" X 4", 1350 D Grit	10 ScrubPADs	\$218.31	10 Pkg (100 ScrubPADs)	\$2,183.15

UltraSOLV® Triangle Silicon Carbide (SiC) Grit ScrubPADs

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4510T-10, ScrubPAD 3.2" Triangle SC 100 Grit	10 ScrubPADs	\$50.31	10 Pkg (100 ScrubPADs)	\$503.11
HT4528T-10, ScrubPAD 3.2" Triangle SC 280 Grit	10 ScrubPADs	\$50.31	10 Pkg (100 ScrubPADs)	\$503.11
HT4540T-10, ScrubPAD 3.2" Triangle SC 400 Grit	10 ScrubPADs	\$50.31	10 Pkg (100 ScrubPADs)	\$503.11

International prices may vary due to Import Duties, taxes and transportation.

www.foamexasiawcc.com

Customer Service: 1-866-922-7160 Ext 341, Fax 1-760-599-7322

UltraSOLV[®] Aluminum Oxide (AO) ScrubPADs

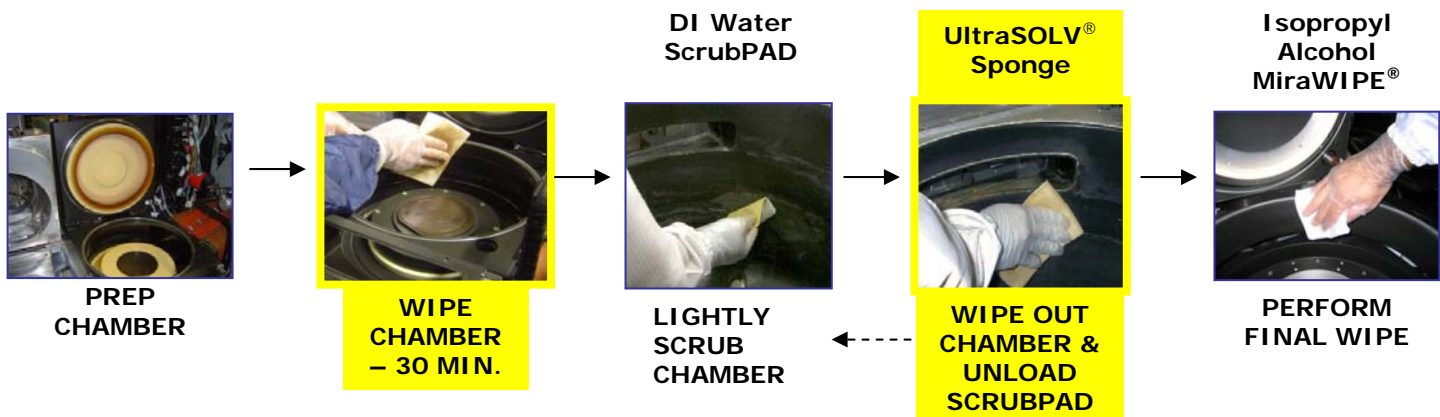
Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4522A-10*, ScrubPAD .078" X 3" X 4", 220 AO Grit	10 ScrubPADs	\$27.22	50 Pkg (500 ScrubPADs)	\$1,360.94
HT4532A-10*, ScrubPAD .078" X 3" X 4", 320 AO Grit	10 ScrubPADs	\$27.22	50 Pkg (500 ScrubPADs)	\$1,360.94
HT4540A-10*, ScrubPAD .078" X 3" X 4", 400 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4560A-10*, ScrubPAD .078" X 3" X 4", 600 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4580A-10*, ScrubPAD .078" X 3" X 4", 800 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4512PA-10*, ScrubPAD .078" X 3" X 4", 1200 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4515PA-10*, ScrubPAD .078" X 3" X 4", 1500 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4520PA-10*, ScrubPAD .078" X 3" X 4", 2000 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4530PA-10*, ScrubPAD .078" X 3" X 4", 3000 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29
HT4540PA-10*, ScrubPAD .078" X 3" X 4", 4000 AO Grit	10 ScrubPADs	\$26.83	50 Pkg (500 ScrubPADs)	\$1,341.29

Sponges

Foamex Asia Cleaning Technique

Foamex Asia, WCC has developed a cleaning technique that allows Semiconductor tool owners the ability to effectively clean their tool's critical surfaces without the use of ScotchBrite or hazardous solvents (i.e. Hydrogen Peroxide). The Foamex Asia Cleaning Technique targets the areas in toolsets (Implant, ETCH, CVD, HDP, TxZ, etc.) where it is critical to remove deposition in a timely manner.

Our proven method of cleaning has provided our customers with a substantial increase in tool efficiency by reducing PM green-to-green time, reducing defects, reducing PM recovery times and improving tool performance.



UltraSOLV® is a highly absorbent, Class 10 Sponge constructed from a naturally reticulated, hydrophilic, polyurethane foam. Using Foamex Asia's patented cleaning process and foam technology, UltraSOLV® Sponges are ideal for cleaning critical tools and assemblies. Available as a sponge for use with UltraSOLV® ScrubPADs on wet cleans.

UltraSOLV® Sponges

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4734 .37" X 2.62" X 4.38" Sponge	1 Sponge	\$3.61	100 Pkg (100 Sponges)	\$361.23
HT4754 .37" x 3.62" x 5.38" Sponge	1 Sponge	\$4.22	100 Pkg (100 Sponges)	\$421.88

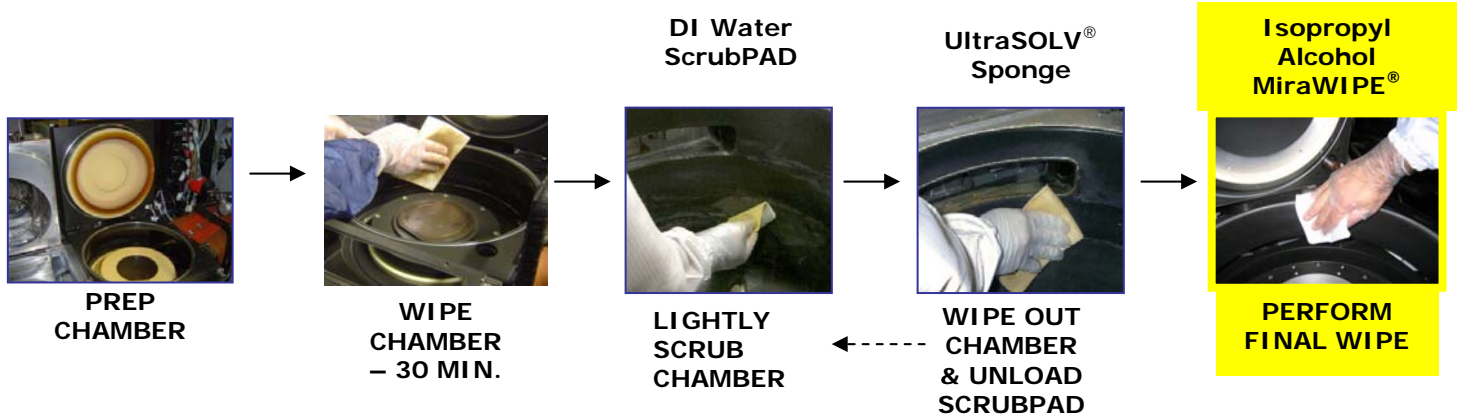
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www.foamexasiawcc.com

Customer Service: 1-866-922-7160 Ext 341, Fax 1-760-599-7322

Wipers

Foamex Asia Cleaning Technique



**REDUCE DOWNTIME
REMOVE MORE PARTICLES
FROM CHAMBER**



MiraWIPE® is constructed from a continuous filament micro denier polyester, super soft textile resulting in enhanced absorbency and contamination pickup versus traditional polyester wipers. Woven from a no-run, no-stretch textile to minimize In-Use Particles from the face and edge of the wiper. Cleanroom washed and packed, MiraWIPE® is available in configurations to meet Class 1-1000 applications.

MiraWIPE® Wipers

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT5740B 4" X 4", Sealed Edge	600 Wipers	\$132.53	10 Pkg (6000 Wipers)	\$1,325.30
HT5790 9" X 9" Class 10 Sealed Edge	150 Wipers	\$87.80	8 Pkg (1200 Wipers)	\$702.41
HT5790S 9" X 9" Class 10 Ex. Wide Sealed Edge	150 Wipers	\$93.13	8 Pkg (1200 Wipers)	\$745.04
HT5790S-25 9" X 9" Class 10 Ex. Wide Sealed Edge	25 Wipers	\$16.30	40kg (1000 Wipers)	\$652.07
HT5790B 9" X 9", Sealed Edge	150 Wipers	\$74.55	8 Pkg (1200 Wipers)	\$596.38
HT5790SB 9" x 9", Wide Sealed Edge	150 Wipers	\$90.62	8 Pkg (1200 Wipers)	\$724.99



ScrubTIPS™ are unique cleaning tools that combine Foamex Asia's Swab and ScrubPAD technology. Using washed Diamond or Silicon Carbide abrasives and proprietary bonding methods, ScrubTIPS™ are perfect for polishing stains, scratches and process-induced residue from hard-to-clean surfaces.

ScrubTIP™ Silicon Carbide (SiC) Grit Tips

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT170060-5 6" Large Rigid Tip, 600 SiC Grit	5 ScrubTIP	\$9.68	50 Pkg (250 ScrubTIPs)	\$483.80
HT174828-5 3" Rigid Large Pointed Tip, 280 SiC Grit	5 ScrubTIP	\$8.81	50 Pkg (250 ScrubTIPs)	\$440.33
HT174860-5 3" Rigid Large Pointed Tip, 600 SiC Grit	5 ScrubTIP	\$8.81	50 Pkg (250 ScrubTIPs)	\$440.33
HT174880-5 3" Rigid Large Pointed Tip, 800 SiC Grit	5 ScrubTIP	\$8.81	50 Pkg (250 ScrubTIPs)	\$440.33
HT174812P-5 3" Rigid Large Pointed Tip, 1200 SiC Grit	5 ScrubTIP	\$8.81	50 Pkg (250 ScrubTIPs)	\$440.33
HT174960-5 3" Pointed Tip, 600 SiC Grit	5 ScrubTIP	\$10.35	50 Pkg (250 ScrubTIPs)	\$517.58
HT174980-5 3" Pointed Tip, 800 SiC Grit	5 ScrubTIP	\$10.35	50 Pkg (250 ScrubTIPs)	\$517.58
HT179028-5 5.5" Dual Tip with Angle, 280 SiC Grit	5 ScrubTIP	\$18.90	50 Pkg (250 ScrubTIPs)	\$945.24
HT179040-5 5.5" Dual Tip with Angle, 400 SiC Grit	5 ScrubTIP	\$18.90	50 Pkg (250 ScrubTIPs)	\$945.24
HT179060-5 5.5" Dual Tip with Angle, 600 SiC Grit	5 ScrubTIP	\$18.90	50 Pkg (250 ScrubTIPs)	\$945.24
HT179080-5 5.5" Dual Tip with Angle, 800 SiC Grit	5 ScrubTIP	\$18.90	50 Pkg (250 ScrubTIPs)	\$945.24

International prices may vary due to Import Duties, taxes and transportation.

www.foamexasiawcc.com

Customer Service: 1-866-922-7160 Ext 341, Fax 1-760-599-7322



Spear Tip



Pointed Spear Tip

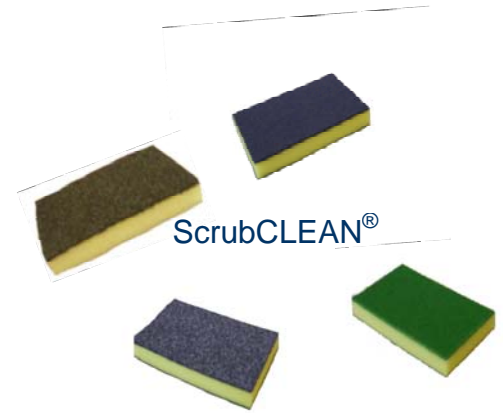


Dual Tip with Angle

ScrubTIP™ Diamond Grit Tip

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT174836D-1 3" Spear Tip, 360 Diamond Grit	1 ScrubTIP	\$6.70	100 Pkg (100 ScrubTIPs)	\$669.92
HT174813PD-1 3" Spear Tip, 1350 Diamond Grit	1 ScrubTIP	\$5.42	100 Pkg (100 ScrubTIPs)	\$541.92
HT174913PD-1 3" Pointed Spear Tip, 1350 Diamond Grit	1 ScrubTIP	\$5.42	100 Pkg (100 ScrubTIPs)	\$541.92
HT174936D-1 3" Pointed Spear Tip, 360 Diamond Grit	1 ScrubTIP	\$6.70	100 Pkg (100 ScrubTIPs)	\$669.92
HT174980D-1 3" Pointed Spear Tip, 800 Diamond Grit	1 ScrubTIP	\$5.42	100 Pkg (100 ScrubTIPs)	\$541.92
HT179018D-1 5.5" Dual Tip with Angle, 180 Diamond Grit	1 ScrubTIP	\$15.81	100 Pkg (100 ScrubTIPs)	\$1,581.42
HT179028D-1 5.5" Dual Tip with Angle, 280 Diamond Grit	1 ScrubTIP	\$15.81	100 Pkg (100 ScrubTIPs)	\$1,581.42
HT179036D-1 5.5" Dual Tip with Angle, 360 Diamond Grit	1 ScrubTIP	\$15.81	100 Pkg (100 ScrubTIPs)	\$1,581.42
HT179080D-1 5.5" Dual Tip with Angle, 800 Diamond Grit	1 ScrubTIP	\$15.81	100 Pkg (100 ScrubTIPs)	\$1,581.42

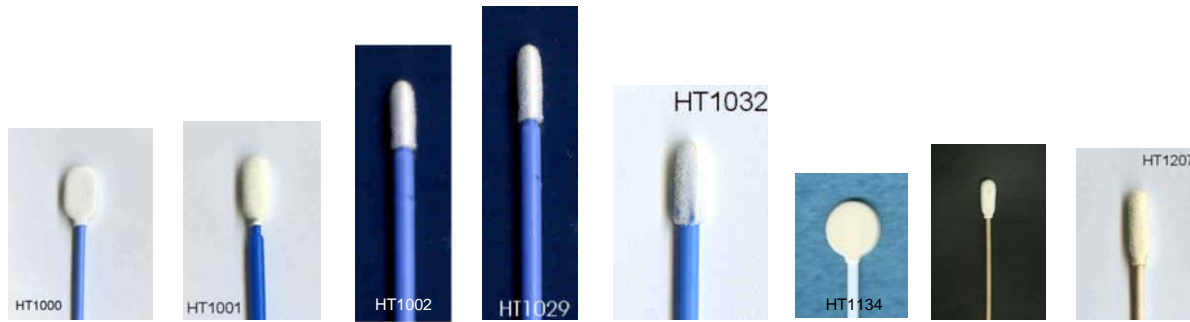
ScrubCLEAN® is a specially designed abrasive sponge for cleaning hardened residues off scratch sensitive tools and components such as CMP polishers, shower heads, heater surfaces, metal/polyester mesh masks, sealing surfaces, plastic and glass surfaces. Unlike current scrubbers which rely on coated fibers or coated abrasives, ScrubCLEAN® abrasive sponges are constructed from plastic particles that are adhered to the sponge with a polyurethane polymer, making them ideal for applications where it is critical to reduce particles and fibers generated by the abrasive surfaces.



ScrubCLEAN® Abrasive Sponges

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
FS206 Light Duty Scratch Free Sponge .75" X 3" X 5"	2 Sponges	\$15.30	50 Pkg (100 Sponges)	\$765.22
FS207 Medium Duty Scratch Free Sponge .75" X 3" X 5"	2 Sponges	\$15.30	50 Pkg (100 Sponges)	\$765.22
FS208 Heavy Duty Scratch Free Sponge .75" X 3" X 5"	2 Sponges	\$15.30	50 Pkg (100 Sponges)	\$765.22

Swabs



1000 Series Swabs employ the CleanWIPE™ reticulated 100ppi foam to provide soft, absorbent cleaning performance. The CleanWIPE™ swabs are available in a variety of head shapes and sizes enabling precision cleaning of optical, disk drive, and medical device components. Manufacturing, cleaning and packaging is performed on an integrated line to ensure maximum cleanliness and lot to lot uniformity.

CleanWIPE™ Swab, 100 PPI

Part Number & Description	Packaging	Pkg Price	Case	Case Price
HT1000 6" Rigid Bulb Tip	500 Swabs	\$69.88	8 Pkg (4000 Swabs)	\$559.00
HT1001 6" Flexible Sock Head Tip	500 Swabs	\$64.20	16 Pkg (8000 Swabs)	\$1,027.20
HT1002 3" Rigid Tip	500 Swabs	\$50.86	25 Pkg (12500 Swabs)	\$1,271.54
HT1011 4" Flexible Sock Head Tip	500 Swabs	\$58.33	16 Pkg (8000 Swabs)	\$933.33
HT1029 3" Flexible Paddle Tip	500 Swabs	\$50.86	25 Pkg (12500 Swabs)	\$1,271.54
HT1032 3" Rigid Tip	500 Swabs	\$46.40	25 Pkg (12500 Swabs)	\$1,160.04
HT1134-5 6", 1.25" Round Lollipop Swab	5 Swabs	\$3.14	100 (500 Swabs)	\$314.11
HT1206 6" Wood Handle, Spun Cotton	500 Swabs	\$75.16	16 Pkg (8000 Swabs)	\$1,202.56
HT1207 6" Wood Handle, Dual Layered	500 Swabs	\$96.39	16 Pkg (8000 Swabs)	\$1,542.24



T1501FC



HT1502FC



HT1511FC



HT1585FC

MiraSWAB™ 1500 and 1600 Series Swabs feature a patent-pending micro fiber fabric over foam tip bonded to a polypropylene shaft resulting in a swab that is soft, conformable to work surface yet both resistant to abrasion and solvents. MiraSWABS™ for the first time offer the cleaning performance of micro fiber fabrics with the scratch free properties of foam for Optics, HDD, Semiconductor and Biomedical applications.

The **MiraSWAB™ 1600 Series** employs a static dissipative handle for ESD sensitive applications. **1600 Series** will be introduced soon.

MiraSWAB™				
Part Number & Description	Packaging	Pkg Price	Case	Case Price
HT1501FC-500 6" Flexible Oval Tip	500 Swabs	\$98.59	16 Pkg (8000 Swabs)	\$1,577.47
HT1502FC-500 3" Flexible Tip	500 Swabs	\$66.00	25Pkg (12500 Swabs)	\$1,650.00
HT1511FC-500 4" Flexible Oval Tip	500 Swabs	\$85.85	16Pkg (8000 Swabs)	\$1,373.63
HT1585FC-500 5" Square Head Tip	500 Swabs	\$n/a*	8 Pkg (4000 Swabs)	\$n/a*

*Please contact your Regional Manager (see page 4) or Customer Service for pricing and availability.



HT1700

HT1701

HT1702

HT1712

HT1714

HT1729

HT1732

HT1748

T1750

HT1790

UltraSOLV® 1700 Series Swabs are excellent general purpose cleaning tools for HDD components, optics, medical devices or vacuum equipment. UltraSOLV® tip construction provides good particle and residue removal with a minimum of particle transfer due to abrasion. Unique thermal bonding and cleaning process ensure a minimum of particle shedding from foam seal.

UltraSOLV® Swabs

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT1700-5	5	\$2.78	100 Pkg (500 Swabs)	\$278.10
HT1700-500	500	\$177.68	8 Pkg (4000 Swabs)	\$1,421.40
6" Sock Head Tip	Swabs			
HT1701-5	5	\$2.68	100 Pkg (500 Swabs)	\$267.80
HT1701-500	500	\$138.62	16 Pkg (8000 Swabs)	\$2,217.88
6" Flexible Paddle Tip	Swabs			
HT1702-50	50	\$5.77	100 Pkg (5000 Swabs)	\$576.80
HT1702-500	500	\$54.93	25 Pkg (12500 Swabs)	\$1,373.25
3" Semi-Flexible Tip	Swabs			
HT1711-500	500	\$92.28	16 Pkg (8000 Swabs)	\$1,476.44
4 Flexible Sock	Swabs			
HT1712-100*	100	\$114.00	10 Pkg (1000 Swabs)	\$1,139.74
12" Flexible Paddle Tip	Swabs			
HT1714-50	50	\$5.77	100 Pkg (5000 Swabs)	\$576.80
HT1714-500	500	\$54.93	25 Pkg (12500 Swabs)	\$1,373.25
3" Felted Spear Tip	Swabs			
HT1729-50	50	\$5.77	100 Pkg (5000 Swabs)	\$576.80
HT1729-500	500	\$54.93	25 Pkg (12500 Swabs)	\$1,373.25
3" Flexible Paddle Tip	Swabs			
HT1732-50	50	\$5.77	100 Pkg (5000 Swabs)	\$576.80
HT1732-500	500	\$54.93	25 Pkg (12500 Swabs)	\$1,373.25
3" Rigid Tip	Swabs			

Continued on Page 27

UltraSOLV® Swabs . . . Continued

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT1748-50 3" Rigid Large Pointed Tip	50 Swabs	\$8.04	100 Pkg (5000 Swabs)	\$804.20
HT1750-50 3" Pointed Tip	50 Swabs	\$5.77	100 Pkg (5000 Swabs)	\$576.80
HT1750-500 3" Pointed Tip	500 Swabs	\$54.93	25 Pkg (5000 Swabs)	\$1,373.50
HT1790-50 5.5" Dual Tip with Angle	50 Swabs	\$46.70	20 Pkg (1000 Swabs)	\$933.92



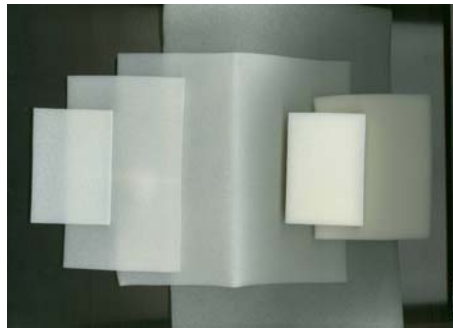
HT1902 HT1914 HT1929 HT1932 HT1950

ESD Safe UltraSOLV® 1900 Series Swabs provide streak-free cleaning of static sensitive components. Excellent absorbency maximizes particle and residue removal from components. The UltraSOLV® foam tip offers excellent abrasion resistance, minimizing particle generation due to abrasion when cleaning sharp or rough surfaces such as suspensions, flex circuit bonding pads and sliders. UltraSOLV® foam generates < 5 volts of tribo charge on commonly used HDD Slider surfaces.

UltraSOLV® ESD Swabs

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT1902-500 3" Semi-Flexible Tip	500 Swabs	\$65.23	25 Pkg (12500 Swabs)	\$1,630.75
HT1914-500 3" Felted Spear Tip	500 Swabs	\$65.23	25 Pkg (12500 Swabs)	\$1,630.75
HT1929-500 3" Flexible Paddle Tip	500 Swabs	\$65.23	25 Pkg (12500 Swabs)	\$1,630.75
HT1932-500 3" Rigid Tip	500 Swabs	\$65.23	25 Pkg (12500 Swabs)	\$1,630.75
HT1950-500 3" Pointed Tip	500 Swabs	\$65.23	25 Pkg (12500 Swabs)	\$1,630.75

Wipers



CleanWIPE® is constructed from an open-cell, ester-based polyurethane medical grade foam. Originally developed and adopted by NASA and the medical device industry, it is 100% fiber-free and will not interfere with the curing of elastomers and adhesives used in Aerospace and medical applications. CleanWIPE® is laundered with a proprietary process yielding a Class 100 wiper that meets rigorous cytotoxicity testing for FDA regulated facilities. Widely used to clean metal masks used to print thick film resistors and hybrid circuits. Due to its ability to conform to metal mask surfaces, CleanWIPE® enables excess paste to be thoroughly removed while minimizing abrasion damage to the emulsion.

CleanWIPE® Wiper, 100 PPI

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4201 .078" X 6" X 9"	25 Wipers	\$7.31	130 Pkg (3250 Wipers)	\$950.46
HT4203 .109" X 6" X 9"	25 Wipers	\$8.84	40 Pkg (1000 Wipers)	\$353.41
HT4208 .109" X 8" X 9"	10 Wipers	\$4.97	120 Pkg (1200 Wipers)	\$596.38
HT4211 .078" X 9" X 10"	10 Wipers	\$4.94	150 Pkg (1500 Wipers)	\$740.51
HT4212 .125" X 9" X 10"	25 Wipers	\$15.87	50 Pkg (1250 Wipers)	\$793.52
HT4223* .125" X 2" X 3"	100 Wipers	\$17.45	10 Pkg (1000 Wipers)	\$174.51
HT4231* .109" X 12" X 12"	25 Wipers	\$30.82	25 Pkg (625 Wipers)	\$770.41
HT4232* .50" X 2" X 3"	24 Wipers	\$8.86	50 Pkg (1200 Wipers)	\$442.87
HT4233 .25" X 3" X 3"	100 Wipers	\$15.68	10 Pkg (1000 Wipers)	\$156.76
HT4234 .375" X 3" X 4"	100 Wipers	\$26.35	10 Pkg (1000 Wipers)	\$263.45
HT4236 .109" X 3" X 5"	100 Wipers	\$13.15	10 Pkg (1000 Wipers)	\$131.46
HT4266 .109" X 6" X 6"	25 Wipers	\$8.19	100 Pkg (2500 Wipers)	\$819.48

Wipers



PilloWIPE™ is constructed from polyester and micro-fiber based, clean room-grade cloths and reticulated, clean room-grade foams. The foam sponge is sandwiched between two layers of the fabric to form a unique cleaning tool. PilloWIPE™ is designed to enhance the cleaning of difficult to clean surfaces such as tools with sharp edges or high temperatures. PilloWIPE™ is designed for use in clean room facilities. Available with an abrasive mesh surface for scrubbing applications. Autoclave compatible for use in sterile areas.

PilloWIPE Wiper

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
FS4190 .142" x 9" x 9" CleanWIPE SP + Polyester	10 Wipers	\$21.49	10 Pkg (100 Wipers)	\$214.88
FS4191 .142" x 9" x 9" CleanWIPE SP + MiraWIPE	10 Wipers	\$29.11	10 Pkg (100 Wipers)	\$291.13
FS4233 .375" x 3" x 4" 100ppi + Netting + MiraWIPE®	10 Wipers	\$33.13	10 Pkg (100 Wipers)	\$331.25
FS4290 .142" x 9" x 9" 100ppi + Polyester	10 Wipers	\$18.90	10 Pkg (100 Wipers)	\$189.04
FS4291 .142" x 9" x 9" 100ppi + MiraWIPE	10 Wipers	\$26.53	10 Pkg (100 Wipers)	\$265.29

FirmWIPE™ is constructed from an open-cell polyurethane foam which has undergone a special felting process. FirmWIPE™ offers fiber-free wiping in applications where durability and fast wicking, without dripping, are desirable. FirmWIPE™ enables excess paste to be thoroughly removed while minimizing abrasion to the emulsion. Its unique pore structure makes it ideal for cleaning metal masks used to print LTCC components, capacitors, EL, OLED, and Plasma Display Panels.

FirmWIPE™ Wiper

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4331 .375" x 2" x 3"	10 Wipers	\$6.35	10 Pkg (1000 Wipers)	\$634.68

Wipers



UltraSORB® is a highly absorbent wiper that combines excellent ESD characteristics with Class 100 cleanliness. Due to its sponge-like wiping capability, fiber-free construction and ability to resist shedding of particles due to abrasion, it is the perfect choice for Stencil, Thick Film Screen and Medical Device wiping applications. Its unique pore structure allows for controlled solvent transfer to screen and metal masks to aid in the removal of solder paste, conductive adhesives and thick film inks. Ideal for cleaning metal masks used to print LTCC components, capacitors, EL, and Plasma Display Panels. Due to its ability to conform to metal meshed masks, UltraSORB® enables excess paste to be thoroughly removed while minimizing abrasion to the emulsion.

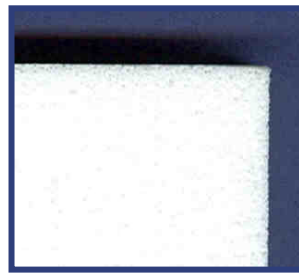
UltraSORB® Wipers

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4626 .078" X 24" X 36"	5 Wipers	\$40.57	25 Pkg (125 Wipers)	\$1,014.33
HT4644 .109" 4" X 4"	50 Wipers	\$12.70	50 Pkg (2500 Wipers)	\$634.81
HT4666 .109" X 6" X 6"	50 Wipers	\$20.81	50 Pkg (2500 Wipers)	\$1,040.36
HT4669 .109" X 6" X 9"	50 Wipers	\$26.87	40 Pkg (2000 Wipers)	\$1,343.66
HT4690 .062" X 9" X 9"	50 Wipers	\$28.45	30 Pkg (1500 Wipers)	\$853.51
HT4694 .046" X 9" X 9"	75 Wipers	\$36.18	30 Pkg (2250 Wipers)	\$1,085.44
HT4699 .109" X 9" X 9"	50 Wipers	\$35.97	25 Pkg (1250 Wipers)	\$899.29

Wipers



HT4734



HT4754



UltraSOLV[®] is a highly absorbent, Class 10 Wiper constructed from a naturally reticulated, hydrophilic, polyurethane foam. Using Foamex Asia's patented cleaning process and foam technology, UltraSOLV[®] Wipers are ideal for cleaning critical tools and assemblies. Available as a sponge for use with UltraSOLV[®] ScrubPADs on wet cleans.

- The unique abrasion resistance and conformable characteristics of UltraSOLV[®] allow it to clean rough, coarse and bead blasted surfaces that will snag traditional polyester wipers.
- Low levels of particle generation, ionics, organics, lot-to-lot consistency and fiber free construction combined with unsurpassed contamination removal properties make it the ideal tool for the cleaning of critical process equipment.
- Sponge-like absorbency and rinsing characteristics offer the opportunity to significantly reduce wiper usage and hazardous waste generation in equipment PM's.
- Excellent static dissipative and tribo charging properties allow for safe cleaning of static sensitive assemblies, such as wafer transfer chambers in vacuum tools.

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4712 .15" X 9" X 11" Wiper	25 Wipers	\$82.63	25 Pkg (625 Wipers)	\$2,065.71
HT4734 .37" X 2.62" X 4.38" Sponge	1 Sponge	\$3.61	100 Pkg (100 Sponges)	\$361.23
HT4754 .37" x 3.62" x 5.38" Sponge	1 Sponge	\$4.22	100 Pkg (100 Sponges)	\$421.88
HT4790 .062" X 9" X 9" Wiper	50 Wipers	\$47.42	30 Pkg (1500 Wipers)	\$1,422.71
HT4790-5 .062" X 9" X 9" Wiper	5 Wipers	\$6.17	200 Pkg (1000 Wipers)	\$1,233.09
HT4791 .109" X 9" X 9" Wiper	50 Wipers	\$83.18	25 Pkg (1500 Wipers)	\$2,079.62
HT4794 .055" X 9" X 9" Wiper	75 Wipers	\$44.68	30 Pkg (2250 Wipers)	\$1,340.31
HT4794-25 .055" X 9" X 9" Wiper	25 Wipers	\$18.62	50 Pkg (1250 Wipers)	\$931.14

Face/Beard Masks

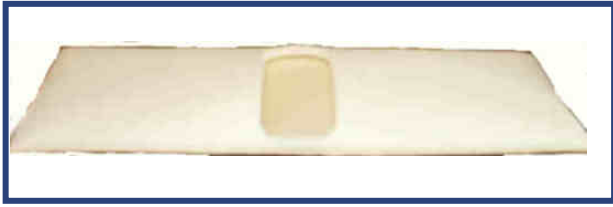
Foamex Asia 4400 Series, Fiber-Free Face Masks provide continuous particle/moisture control and cool, flexible comfort without the speech constraints, goggle/glasses steaming or moisture build-up on the face typical of paper and dense cloth masks. Foamex Asia Face Masks are used as comfortable under-masks for hoods with built-in biological masking. They protect the wearer from contact and provide a fresh, clean barrier to the laundered mask in the hood.



Face/Beard Masks

Part Number & Description	Packaging	Pkg Price\$	Case	Case Price\$
HT4401 Face MASK	10 MASKS	\$3.55	250 Pkg (2500 MASKS)	\$886.30
HT4402 Beard MASK	10 MASKS	\$3.99	200 Pkg (2000 MASKS)	\$797.75

Mop Head Refills



FS501



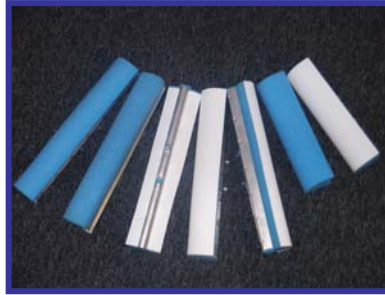
FS500

UltraMOP™ and UltraMOP™ II refills are designed for wet mopping procedures in sterile and controlled environments. Constructed of ester-based polyurethane for excellent application of disinfectants. Available in laminated versions to allow tear-free cleaning and disinfecting of areas that have rough or sharp surfaces. Laminated versions are designed to allow good liquid transfer.

Part Number & Description	Compares To	Packaging	Case Price\$
FS500 UltraMOP™ 0.81" x 5" x 16"	Perfex #22-34	50 Mops	\$532.38
FS501 UltraMOP™ II 0.81" x 5" x 16"	Perfex #22-24	50 Mops	\$573.40
FS505 UltraMOP™ w/ Polyester Lamination, 16"		50 Mops	\$752.75
FS505-B1 UltraMOP™ Bump-Proof™ Wrapped w/Polyester Lam., 16"		50 Mops	\$686.86
FS506 UltraMOP™ w/ Microfiber Lamination 0.81" x 5" x 16"		50 Mops	\$770.20
FS506-B1 UltraMOP™ Bump-Proof™ Wrapped w/Microfiber Lam., 16"		50 Mops	\$698.82



FS608



FS601

UltraMOP™ SW is a self-wringing mop head refill designed for wet mopping procedures in sterile and controlled environments. Constructed of tear-resistant, highly absorbent polyurethane sponge and a stainless steel bracket. Available in laminated versions that allows for tear-free cleaning and disinfecting or areas that have rough or sharp surfaces. Laminated versions are designed to allow excellent liquid transfer so as not to interfere with the pickup and application of liquids. Autoclave compatible for use in sterile manufacturing areas.

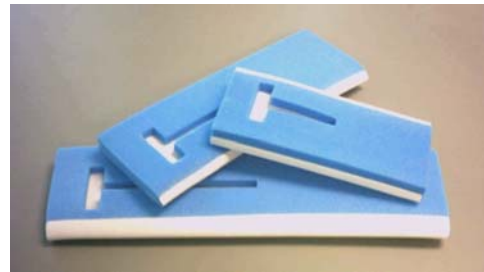
Part Number & Description	Compares To	Packaging	Case Price\$
FS600-12 UltraMOP™ SW Self-Wringing Sponge Mophead, with Stainless Steel Bracket, 14"	Roll-O-Matic® #6214R	12 Mops	\$227.18
FS601-12 UltraMOP™ SW Self-Wringing Sponge Mophead, with Galvanized Steel Bracket, 14"	Roll-O-Matic® #1114R	12 Mops	\$146.76
FS605-12 UltraMOP™ SW Self-Wringing Sponge Mophead w/ Microfiber Lamination w/ Stainless Steel Bracket, 14"		12 Mops	\$339.00
FS606-12 UltraMOP™ SW Self-Wringing Sponge Mophead w/ Polyester Lamination w/ Stainless Steel Bracket, 14"		12 Mops	\$324.49
FS607-12 UltraMOP™ SW Self-Wringing Sponge Mophead wrapped w/ Microfiber Lamination w/ Stainless Steel Bracket, 14"		12 Mops	\$360.66
FS608-12 UltraMOP™ SW Self-Wringing Sponge Mophead wrapped w/ Polyester Lamination w/ Stainless Steel Bracket, 14"		12 Mops	\$357.52
FS620-12 UltraMOP™ SW Self-Wringing Sponge Mophead w/ Stainless Steel Bracket, 10"	Roll-O-Matic® #6210R	12 Mops	\$160.08
FS621-12 UltraMOP™ SW Self-Wringing Sponge Mophead w/ Galvanized Steel Bracket, 10"	Roll-O-Matic® #1110R	12 Mops	\$191.63

Continued on Page 35

Part Number & Description	Compares To	Packaging	Case Price\$
FS627-12 UltraMOP™ SW Self-Wringing Sponge Mophead Bump-Proof™ Wrap-Around w/ Polyester Lamination w/ Stainless Steel Bracket, 14"		12 Mops	\$349.17
FS628-12 UltraMOP™ SW Self-Wringing Sponge Mophead Bump-Proof™ Wrap-Around w/ Microfiber Lamination w/ Stainless Steel Bracket, 14"		12 Mops	\$346.15



Snag-resistant fabric prevents abrasion damage.



Available in 3 sizes

UltraMOP™ III is constructed of a snag-resistant, polyester fabric laminated to absorbent, polyurethane foam. The fabric layer wraps over both the leading and trailing edges improving cleanliness and durability. The exclusive wrap around design enables this mop head to be used to clean and apply disinfectant to walls, ceilings as well as floors. Compatible with gamma, autoclave and ETO sterilization methods.

Part Number & Description	Compares To	Case	Case Price\$
FS700 UltraMOP™ III Bump-Proof™ Wrap-Around Polyester Lamination, 7"	Contec Geerpres	32 Mops	\$181.86
FS700ST UltraMOP™ III Sterile Bump-Proof™ Wrap-Around Polyester Lamination, 7"	Contec Geerpres	32 Mops	\$413.50
FS701 UltraMOP™ III Bump-Proof™ Wrap-Around Polyester Lamination, 12"	Contec Geerpres	32 Mops	\$213.33
FS701ST UltraMOP™ III Sterile Bump-Proof™ Wrap-Around Polyester Lamination, 12"		32 Mops	\$421.33

Part Number & Description	Compares To	Packaging	Case Price\$
FS702 UltraMOP™ III w/Wrap-Around Polyester Lamination, 14"	Contec Geerpres	32 Mops	\$268.80
FS702ST UltraMOP™ III Sterile Bump-Proof™ Wrap-Around Polyester Lamination, 14"		32 Mops	\$433.13
FS703 UltraMOP™ III Bump-Proof™ Wrap-Around Microfiber Lamination, 7"		32 Mops	\$228.15
FS704 UltraMOP™ III Bump-Proof™ Wrap-Around Microfiber Lamination, 12"		32 Mops	\$268.57
FS705 UltraMOP™ III Bump-Proof™ Wrap-Around Microfiber Lamination, 14"		32 Mops	\$338.42





Chamber Cleaning Tools

ErgoWRENCH™

A unique tool used for safer and more efficient scrubbing of hard to reach areas throughout vacuum chambers. The soft ergonomic grip provides ease of use, while stiff Swivel Head can be adjusted to optimize scrubbing angles. Different size Heads and Handles are interchangeable, which allows the ErgoWRENCH™ to be adjusted for different applications.



FT822R with 6"Handle (FT850) and Grip (HT5004)

ErgoWRENCH™ HEAD			ErgoWRENCH™ ScrubPADS				
PART NUMBER	DESCRIPTION	PRICE\$	PART NUMBER	DIA GRIT	PKG PRICE\$	25/CASE PRICE\$	
 FT821 <small>(Not Pictured)</small>	FIXED HEAD	\$112.20	HT4514D81-1	140	\$10.82	\$270.41	
	FT821R	SWIVEL HEAD: <u>LARGE</u>	\$155.63	HT4528D81-1			280
				HT4536D81-1			360
 FT822 <small>(Not Pictured)</small>	FIXED HEAD	\$69.20	HT4514D82-1	140	\$8.27	\$206.78	
	FT822R <small>(Not Pictured)</small>	SWIVEL HEAD: <u>MEDIUM</u>	\$152.23	HT4528D82-1			280
				HT4536D82-1			360
 FT823R	SWIVEL HEAD: <u>LARGE</u> <small>(ROTATES 90° FROM FT821R HEAD)</small>	\$212.30	HT4514D81-1	140	\$10.82	\$270.41	
				HT4528D81-1			280
				HT4536D81-1			360
 FT824	FIXED HEAD	\$74.08	HT4514D83-1	140	\$6.36	\$159.06	
	FT824R	SWIVEL HEAD: <u>SMALL</u>	\$157.25	HT4528D83-1			280
				HT4536D83-1			360

Handles

Universal Handles fit all ErgoWRENCHES™ and Vat Valve Heads on pages 37-38.



Part Number & Description	Packaging	Price\$
FT850 – 6" Handle	1	\$63.53
FT851 – 12" Handle	1	\$81.10
FT852 – 18" Handle	1	\$94.80
HT5004 – Foam Grip (See picture at top of page)	1	\$31.55

ScrubWRIGHT™



ScrubWRIGHT™ and ScrubBELT™

A unique tool used for cleaning small, hard to reach, detailed areas. Interchangeable belt-shaped Diamond ScrubBELTS™ in various grits, create a versatile instrument perfect for polishing stains, scratches and process-induced residue from scratch sensitive surfaces. Spring adjustable for easy mounting and rotation of ScrubBELT™

Part Number & Description	Pkg	Pkg Price	Case	Case Price
FT-PEN1	1	\$14.18	10	\$141.80
ScrubWRIGHT™, Pen Tool, 6.5"	Pen	Each		
HT4528DW-5	5	\$64.78	25	\$323.88
ScrubBELT™, 280 Dia Grit, .25" x 12.75"	Belts		Belts	
HT4536DW-5	5	\$64.78	25	\$323.88
ScrubBELT™, 360 Dia Grit, .25" x 12.75"	Belts		Belts	
HT4580DW-5	5	\$64.78	25	\$323.88
ScrubBELT™, 360 Dia Grit, .25" x 12.75"	Belts		Belts	
HT4513PDW-5	5	\$64.78	25	\$323.88
ScrubBELT™, 360 Dia Grit, .25" x 12.75"	Belts		Belts	

Vat Valve PM Head

A unique tool used to reach back into the deep areas of confined spaces, such as VAT Valves, Beam-Lines, Pump-Ports, Chamber Throats...



FT830 with FT852 18" Handle

Part Number & Description	Packaging	Price\$
FT830 Vat Valve Head	1	\$88.63
Refer to Vat Valve PM Kit for Accessories	Head	

Cleaning Accessories



BC01750

UltraSORB[®] Wiper, CleanWIPE[™] S/P and/or ScrubCLEAN[®] Sponge used in conjunction with the BenchCan can greatly reduce the amount of Hazardous Waste generated during a clean of Thick-Film/Solder Paste/Ink Mixing Equipment.

Part Number & Description	Packaging	Price\$
BC01750** 1 Gallon Bench Can with 7.50" Dasher 9.375" OD x 4.5" Height	1 Bench Can	\$89.37
BC01625** 1 Gallon Bench Can with 6.25" Dasher 7.5" OD x 6.5" Height	1 Bench Can	\$77.59
BC01125** 3 Gallon Bench Can with 12.125" Dasher 13.5" OD x 6" Height	1 Bench Can	\$127.80



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