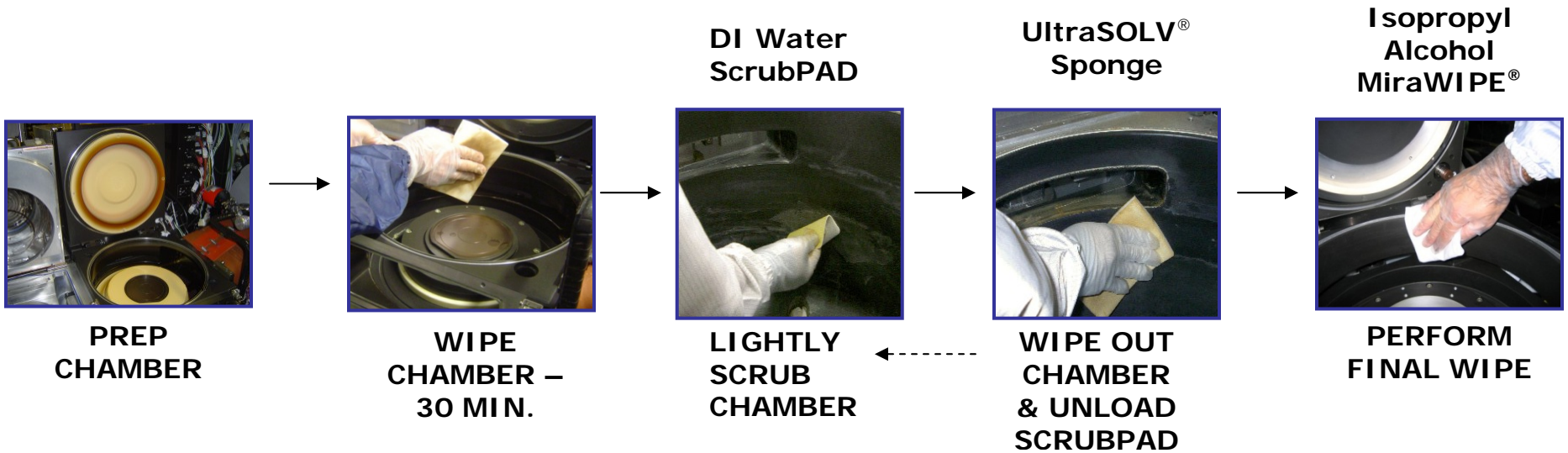


# FOAMTEC INTERNATIONAL WCC

## ULTRASOLV<sup>®</sup> CHAMBER CLEANING TECHNIQUE



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# FOAMTEC INTERNATIONAL PRODUCT APPLICATIONS CHART

Cleaning Techniques Represent General Cleaning Methods. Some Designated Tool PM's May Call for Less or Additional Products; This Includes Wipe Only PM's.

TOOL TYPE	CRITICAL SURFACE	CURRENT METHOD	FOAMTEC TECHNIQUE	ADVANTAGES
<b>ETCH</b>  <b>1</b>	<u>CHAMBER</u>	SCOTCHBRITE 40 GRIT SANDPAPER (100+) WIPES EXTENSIVE SCRUB TIME	(2) Diamond ScrubPADS (1) UltraSOLV <sup>®</sup> Sponge (15 - 25) MiraWIPES <sup>®</sup>	Eliminate ScotchBrite Fibers & Particles Reduction of Tool Down Time Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	WAFER HANDLER	(10 - 20) WIPES	(5) MiraWIPES <sup>®</sup>	Reduction of Particles
	WAFER PLATEN/ E-CHUCK	(2 - 5) WIPES	(1) UltraSOLV <sup>®</sup> Foam Wipe	Reduction of Backside Particles
<b>HDP</b>  <b>2</b>	CHAMBER	SCOTCHBRITE (100+) WIPES	(1) Diamond ScrubPAD (1) UltraSOLV <sup>®</sup> Sponge (10-15) MiraWIPES <sup>®</sup>	Eliminate ScotchBrite Fibers & Particles Reduction of Tool Down Time Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	<u>DOME</u>	REMOVE & REPLACE <b>*Note: Time consuming Expensive</b>	(2) Diamond ScrubPADS (1) UltraSOLV <sup>®</sup> Sponge (10) UltraSOLV <sup>®</sup> Foam Wipes (15 - 25) MiraWIPES <sup>®</sup>	Reduction of Tool Down Time Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	WAFER HANDLER	(10 - 20) WIPES	(5) MiraWIPES <sup>®</sup>	Reduction of Particles
	WAFER PLATEN/ E-CHUCK	(2 - 5) WIPES	(1) UltraSOLV <sup>®</sup> Foam Wipe	Reduction of Backside Particles

# FOAMTEC INTERNATIONAL PRODUCT APPLICATIONS CHART, CONT'D

TOOL TYPE	CRITICAL SURFACE	CURRENT METHOD	FOAMTEC TECHNIQUE	ADVANTAGES
<b>IMPLANT</b>  3	<u>SOURCE CHAMBER</u>	SCOTCHBRITE 40 GRIT SANDPAPER HYDROGEN PEROXIDE* (150+) WIPES EXTENSIVE SCRUB TIME	(2) Diamond ScrubPADS (1) UltraSOLV® Sponge (15 - 25) MiraWIPES®	Eliminate H <sub>2</sub> O <sub>2</sub> Eliminate Scotchbrite Fibers & Particles Reduction of Tool Down Time Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	ANALYZER	REMOVE & REPLACE -or- SCOTCHBRITE SCRAPERS (40 - 50) WIPES	(1) Waveguide Handle (1) Waveguide Handle ScrubPAD (1) Waveguide Handle UltraSOLV® Sponge (10 - 15) MiraWIPES®	Eliminate Dangers of Scraping Waveguide Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	WAFER HANDLER	(10 - 20) WIPES	(5) MiraWIPES®	Reduction of Particles
	WAFER PAD MECHANICAL CLAMP ELECTROSTATIC CLAMP	(2 - 5) WIPES/PAD	(1) UltraSOLV® Foam Wipe/Pad	Eliminate Fibers From Wiper Reduction of Backside Particles
<b>CVD (TxZ/Wxz)</b>  4	<u>CHAMBER</u>	SCOTCHBRITE HYDROGEN PEROXIDE* (100+) WIPES SCRUB TIME	(1) Diamond ScrubPADS (1) UltraSOLV® Sponge (15 - 25) MiraWIPES®	Eliminate ScotchBrite Fibers & Particles Reduction of Tool Down Time Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	WAFER HANDLER	(10 - 20) WIPES	(5) MiraWIPES®	Reduction of Particles
	WAFER PLATEN/ E-CHUCK	(2 - 5) WIPES	(1) UltraSOLV® Foam Wipe	Reduction of Backside Particles

**\*NOTE: DANGER - Use of Oxidizers Such As Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) Will Increase the Risk of Fires and/Or the Release Of Hazardous Chemical Fumes, Potentially Resulting In Personal Injury and/Or Property Damage!!**

# FOAMTEC INTERNATIONAL PRODUCT APPLICATIONS CHART, CONT'D

TOOL TYPE	CRITICAL SURFACE	CURRENT METHOD	FOAMTEC TECHNIQUE	ADVANTAGES
<b>NOVELLUS C1 &amp; C2</b>  <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">5</div>	HEATER BLOCK	SCOTCHBRITE SANDERS (40 – 50) WIPES EXTENSIVE TIME	(1) ErgoSCRUB® (2) Diamond ScrubPADS	Eliminate Scotchbrite Fibers & Particles Reduction of Tool Down Time Reduction of Particles Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	FORK GROOVES	SCOTCHBRITE WIPES	(2) Diamond ScrubTIPS™	Eliminate ScotchBrite Fibers & Particles Improve Efficiency of Clean Improve Tool Performance
	<u>SHOWER HEADS</u>	(30 – 40) WIPES	(6) PilloWIPES	Improve Efficiency of Clean Reduction of Particles Reduction of Hazardous Waste
<b>CMP MIRRA POLISHER</b>  <div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">6</div>	LEXAN SHEILDS	SCRAPERS (100+) WIPES EXTENSIVE TIME	(1) ScrubCLEAN® Sponge	Eliminate ScotchBrite Fibers & Particles Eliminate Scratching Shield W/Scrapers Reduction of Hazardous Waste Improve Tool Recovery Improve Tool Performance
	METAL SURFACES	SCOTCHBRITE SCRAPERS (40 – 50) WIPES EXTENSIVE TIME	(1) Diamond ScrubPAD	Reduction of Particles Reduction of Hazardous Waste Improve Efficiency of Clean Improve Tool Recovery Improve Tool Performance
	CMP Polishing Head	SCOTCHBRITE (15 – 20) WIPES	(1) Diamond ScrubPAD	Improve Efficiency of Clean
	WAFER HANDLER	(10 - 20) WIPES	(5) MiraWIPES®	Reduction of Particles

# FOAMTEC INTERNATIONAL PRODUCT APPLICATIONS CHART, CONT'D

TOOL TYPE	CRITICAL SURFACE	CURRENT METHOD	FOAMTEC TECHNIQUE	ADVANTAGES
<p style="text-align: center;"><b>VARIOUS EQUIPMENT TOOL PARTS</b></p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; text-align: center; line-height: 20px;">7</div>	SHIELDS -or- BEADBLASTED PARTS	SCOTCHBRITE HYDROGEN PEROXIDE BEADBLASTING (10 – 15) WIPES OVEN BAKE	(1) Diamond ScrubPADS (1) UltraSOLV® Sponge (5 - 10) MiraWIPES® (1 – 2) UltraSOLV® Foam Wipes	Eliminate ScotchBrite Fibers & Particles Reduction of Particles Improve Efficiency of Clean Reduce Damage to Surface
	QUARTZ	SCOTCHBRITE (10 - 20) WIPES	(1) Diamond ScrubPAD (5) MiraWIPES®	Improve Efficiency of Clean
	E-SHOWER HEADS	(5 - 10) WIPES	(1) UltraSOLV® Foam Wipe	Improve Efficiency of Clean Reduce Hazardous Waste