LOADPOINT
MICRO-MACHINING SOLUTIONS

AUTOMATIC WASHING AND DRYING STATION

INTRODUCE CONSISTENT QUALITY OF OUTPUT FOLLOWING POST-DICING / PHOTO RESIST PROCESSES

IMPROVES PROCESS LINE PRODUCTIVITY

WASHPOINT 300

The **Washpoint** is a self-contained, fully integrated free standing washing station for cleaning and drying wafers, substrate or plates up to 300mm in diameter following dicing, scribing or other machining processes.

A flexible washing process allows all elements of the cleaning and drying sequence; cycle time, water pressure, gas pressure and dry heat output to be easily adjusted to meet individual process demands while the compact case ensures maximum use of work areas.

ENGINEERED TODAY FOR THE TECHNOLOGY OF TOMORROW

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WASHPOINT 300

SPECIFICATION

Construction	Painted stainless steel
Programming	Via touch sensitive screen and PLC unit
Capacity	Up to 300mm, 12" diameter wafers, discs or plates
Chuck	Vacuum diameter 300mm vacuum standard
Optional	Mechanical chuck to suit wide range of ring frames
Spin Speed	0 – 2000 rpm, optional 3000 rpm subject to work type
WaterJet	0 – 140 bar (2000psi) by air driven pump, depending on jet
Gas Jet	2.75 bar/40 psi, dry air or nitrogen
Heater	Hot air or gas heater in line
Regulators	Air/nitrogen pressure, water pressure
Interlocks	Air/nitrogen, Water and Vacuum pressure *Safety interlocks and stops as defined by CE standard requirements*

SUPPLIES

Electricity	208/240V AC single phase 6A, 50/60Hz
Dry air or	5.5 bar @ 0.085 cu.m/min, nitrogen diameter 10mm nylon pipe
Compressed air	5.5 bar @ 0.085 cu.m /min diameter 10mm pipe to pump
DI water	2.0 bar @ 2.0 l/min, 10mm dia. pipe
Mist Extraction	Integral mist extractor and vapour trap, 50mm vent
Drain	Free open drain, not less than 300mm below outlet
Size	520 x 520 x 800mm (w x d x h)
Weight	150 Kilograms

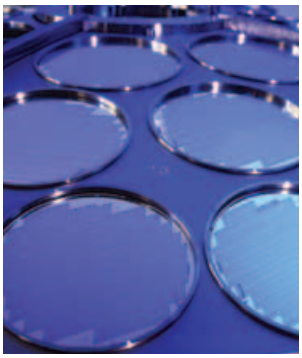
FEATURES:

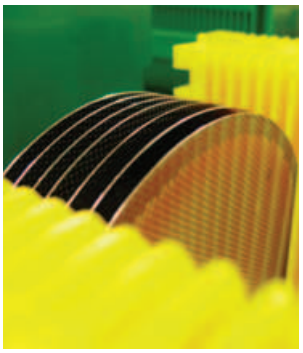
- Easy to operate / maintain
- High pressure water jet
- Hot air dryer temperature controlled
- Fully programmable
- Dry air or nitrogen drying gas
- Centrifugal spin off
- Automatic or manual operation
- Safety switches & interlocks
- Detergent injection

CLEANING AND DRYING PROCESS

The versatile washing process is adaptable to both volume production and research and development environments. An automatic mode follows a programmed wash and dry sequence to ensure improved production throughput, while a manual mode allows independent control of all elements of the process.

The washing cycle uses filtered high pressure water supplied by a powerful air driven pump to clean the component, and water may be de-ionised or contain additives depending on application. The drying sequence directs a dry air or nitrogen jet across the component surface to clear the water particles. An inline heater warms the drying gas and component to enhance the effectiveness of the drying process. An integral mist extraction unit draws off spray and vapour to provide a superior cleaning environment.





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