

# HiSpec XI

## Dicing Surfactant Injector

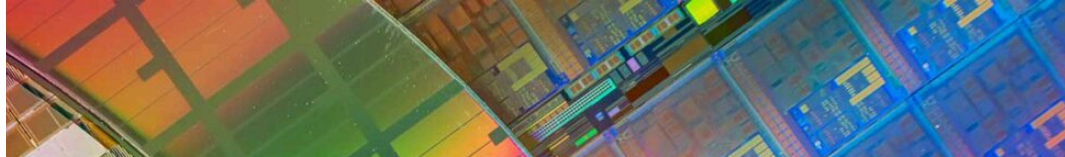
Introducing the HiSpec XI, our state-of-the-art wafer dicing surfactant injector system, is designed to deliver consistent and reliable surfactant dosing directly to the wafer dicing saw's water streams.

The HiSpec XI features separate electrical and pump modules for quick and efficient maintenance. Simply exchange modules for maintenance or upgrades for smooth operations with minimum downtime.

- Accommodates up to 4 high quality metering surfactant pumps.
- The integrated PLC supports flexible programming to customize system settings, offering enhanced control and adaptability.
- Automated dosing directly from surfactant canister.
- Monitor and control surfactant dosing via touch screen interface.
- Integrates seamlessly into a variety of wafer dicing saws.
- Multiple automated warning systems minimize downtime.
- Equipped with durable wheels, the HiSpec XI is easy to move and reposition within your facility.
- Configurable upon order.



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# HiSpec XI

## Dicing Solution Injector

Dosing	Flow Rate	Min: 1ml/min (0.02 GPH) Max: 33ml/min (0.53 GPH)
	CC per Stroke:	Min: 0.06ml/stroke (0.095 GPH) Max: 0.19ml/stroke (0.052 GPH)
	Stroke Speed	Stroke Speed: Min: 18 strokes/min Max: 180 strokes/min
Connectivity and Control	Input Voltage:	Switchable Power Supply: 100VAC / 240VAC, 50/60Hz single phase, 5 Amp
	Environment Temperature:	10 deg - 38 deg celsius
	System Operation Control:	Keyence PLC - 7" Touch Panel, controls all system operations.
	User Interface:	Keyence HIM 7"
	Float Sensor:	To detect the surfactant level in the jerry can and activate when sufficient or stop when too low automatically
	Alarm System:	E/stop button for emergency cut-off of system
		Tower light for status visualization
		Buzzer for alarm notification
		LED pilot lamp for mixing status
		Leak detection on structure base
		Tank Level Float switch notification
Safety Features:	Leak Detection:	Integrated sensor system
	Emergency Shutoff:	Manual and automatic shutoff capabilities
Injector Material	Frame:	PP
	Pump Box Door:	Polycarbonate
	Tubing:	Nylon
	Piping:	Nylon
Dimension	Complete Machine with Electrical Module & Pump Module	1010mm (H) x 400mm (Width) x 800mm (Length)