



HiSpec XI2

Dicing Solution Injector

Introducing the HiSpec XI2, 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 XI2 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 2 high quality metering surfactant pumps (feeding up to 2 dicing saws).
- 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 XP2 is easy to move and reposition within your facility.
- Configurable upon order.



EMEC K PLUS 1802 x 2 units
Dosing to the dicing saw



Key Features

Type: Solenoid-driven metering pump with diaphragm

Stroke Length: Adjustable from 30% to 100%

Dosing Type: Constant dosing with level control

Flow Rate:Min: 1ml/min (0.02 GPH) / Max: 33ml/min (0.53 GPH)

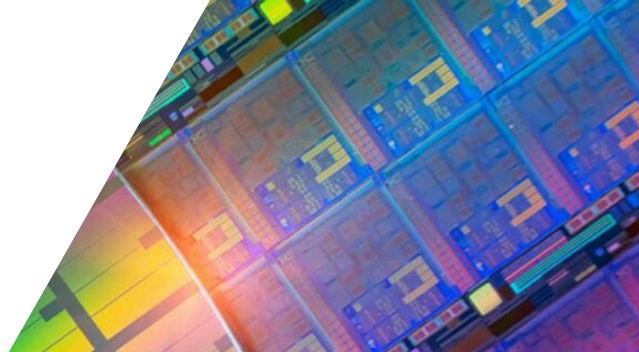
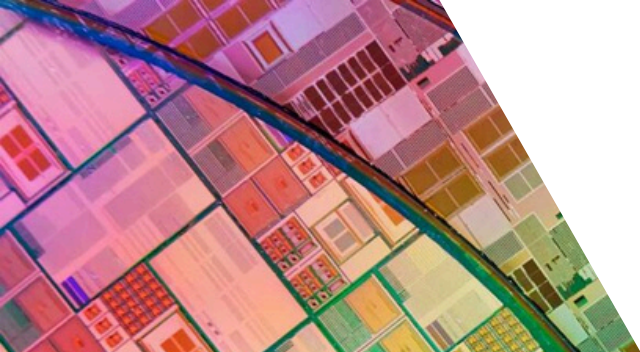
CC per Stroke: Min: 0.06ml/stroke (0.095 GPH) / Max: 0.19ml/stroke (0.052 GPH)

Max. Pressure: 18 bar (261 PSI)

Stroke Speed: Min: 18 strokes/min / Max: 180 strokes/min

Hose Connections: 4 x 6 mm

Physical Spec: Weight: 4.1 kg (9.02 lbs)



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Dimension	Base Machine Dimensions:	510mm (H) x 400mm (Width) x 400mm (Length)
	Pump Modular Box Dimension:	470mm (H) x 400mm (Width) x 400mm (Length)
	Electrical Modular Box Dimension:	470mm (H) x 400mm (Width) x 400mm (Length)
	Complete Machine with Electrical Module & Pump Module	1010mm (H) x 400mm (Width) x 800mm (Length)
	Jerry Can Dimensions:	SG Bottle: 320L x 255W x 350H (5 Gallons)
		US Bottle: 308L x 308W x 380H (5 Gallons)
Injector Material	Frame:	PP
	Pump Box Door:	Acrylic
	Tubing:	Nylon
	Piping:	PVC Sch 80
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
	User Interface:	Keyence HIM 4"
	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
Safety Features:	Leak Detection:	Integrated sensor system
	Emergency Shutoff:	Manual and automatic shutoff capabilities