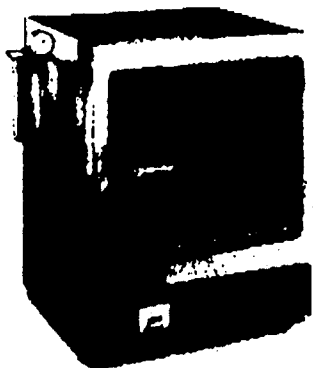


YES

Specifications

	YES-3	YES-5	YES-15	YES-6112A
CLEANLINESS (Typical Results)	less than 10x1-micron particles per 4-inch wafer	less than 5x1-micron particles per 6-inch wafer	less than 1x1-micron particle and less than 10x0.5-micron particles per 6-inch wafer	less than 10x0.5-micron particles per 8-inch wafer
CAPACITY: Vapor Prime	8 cassettes of 4-inch wafers	8 cassettes of 5 or 6-inch wafers or 12 cassettes of 4-inch wafers	8 cassettes of 5 or 6-inch wafers or 12 cassettes of 4-inch wafers	8 cassettes of 5 or 6-inch wafers or 12 cassettes of 4-inch or 4 cassettes of 8-inch wafers
Vapor Prime Image Reversal	(Model YES-310) above listed Vapor Prime capacity, or Image Reversal on 4 cassettes of 4-inch wafers.	(Model YES-58) above listed Vapor Prime capacity or Image Reversal on 4 cassettes of 5 or 6-inch wafers or 6 cassettes of 4-inch wafers	(Model YES-1518) above listed Vapor Prime capacity, or Image Reversal on 6 cassettes of 4-inch wafers or 4 cassettes of 5 or 6-inch wafers	
Vapor Prime Image Reversal Silylation		(YES-58SM) above listed capacities for Vapor Prime and Image Reversal or Silylation on 4 cassettes of 5 or 6-inch wafers or 6 cassettes of 4-inch wafers	(YES-1518SM) above listed capacities for Vapor Prime and Image Reversal, or Silylation on 4 cassettes of 5 or 6-inch wafers or 6 cassettes of 4-inch wafers	
THROUGHPUT	2 full loads/hr	2 full loads/hr	2 full loads/hr	2 full loads/hr
HMDS USAGE	<4 ml/200 wafers (120 prime cycles/pint)	<5 ml/200 wafers (75 prime cycles/pint)	<5 ml/200 wafers (75 prime cycles/pint)	<7 ml/200 wafers (>50 prime cycles/pint)
TEMPERATURE STABILITY	275°C max ± 2°C	275°C max ± 2°C	275°C max ± 2°C	275°C max ± 2°C
DIMENSIONS:				
Chamber	12-in (305mm) High 12-in (305mm) Wide 13.25-in (336mm) Deep	16-in (406mm) High 16-in (406mm) Wide 16-in (406mm) Deep	16-in (406mm) High 16-in (406mm) Wide 16-in (406mm) Deep	20-in (508mm) High 20-in (508mm) Wide 15.12-in (384mm) Deep
System	27.5-in (699mm) High 23.75-in (603mm) Wide 19.5-in (493mm) Deep	31.75-in (806mm) High 27.75-in (705mm) Wide 23-in (584mm) Deep	32-in (812mm) High 23.6-in (599mm) Wide 24-in (609mm) Deep	26-in (660mm) High 33.75-in (858mm) Wide 25-in (635mm) Deep
WEIGHT				
Stand-Alone	160 pounds	245 pounds	300 pounds	350 pounds
Int'l Shipping (Includes Crate)	310 pounds	400 pounds	450 pounds	500 pounds
POWER:				
System	115V, 60Hz, 1 Phase, 10.5A OR 220V, 50Hz, 1 Phase, 5.3A	115V, 60Hz, 1 Phase, 14A OR 220V, 50Hz, 1 Phase, 7A	115V, 60Hz, 1 Phase, 14A OR 220V, 50Hz, 1 Phase, 7A	115V, 60Hz, 1 Phase, 30A OR 220V, 50Hz, 1 Phase, 15A
Vacuum Pump	115V, 60Hz, 1 Phase, 7A OR 220V, 50Hz, 1 Phase, 3.5A	115V, 60Hz, 1 Phase, 7A OR 220V, 50Hz, 1 Phase, 3.5A	115V, 60Hz, 1 Phase, 7A OR 220V, 50Hz, 1 Phase, 3.5A	115V, 60Hz, 1 Phase, 7A OR 220V, 50Hz, 1 Phase, 3.5A



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This section describes all of the facility requirements to properly set-up and connect the YES-5.

Section 2: Facility and Assembly Requirements

Two (2) single phase receptacles are required; one for the YES-5 system and one for the vacuum pump. The power requirements for the standard YES-5 are:

Facility

115 Volts, 15 amps, 60 Hz, 1 phase, 1700 watts.

Power



The standard vacuum pump recommended by Y.E.S. is the Alcatel vacuum pump. The power requirements are:

Vacuum Pump

115 Volts, 3.2 amps, 60 Hz, 1 phase, 373 watts (for a standard 7 cfm vacuum pump purchased through Y.E.S.).

The regulator and gauge inside the plumbing section of the system are pre-set to regulate the nitrogen flow at **10-20 psig**. The system requires:

Low Pressure Nitrogen

Maximum pressure of 30 psig dry, filtered nitrogen.

70-80 psig of dry, filtered nitrogen or air is required to operate the Nupro^R valves.

High Pressure Nitrogen or Air

The system requires a minimum two-stage mechanical pump with a pull of 7 or more cfm.

Vacuum

The Alcatel pump (**optional**) comes with an 8 ft. long, 1" ID PVC vacuum line and a one liter bottle of pump oil.

Optional (Pump)

Optional pump requirements:

7 cfm to an ultimate pump down of 1 x 10E⁻⁴ Torr.

