

«Ze Cube»

Fully-Automatic surface preparation and dip-coating system for ophthalmic lenses

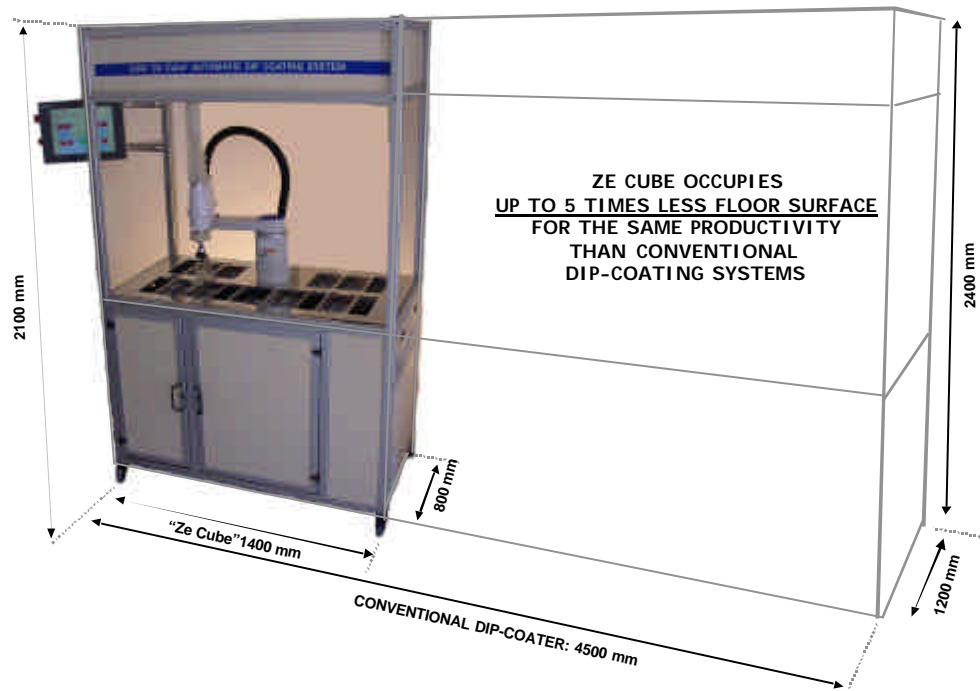


GET MORE...
FOR LESS...



ADVANCED SOLUTION MANAGEMENT

LESS



Less space requirement :

« Ze Cube » requires up to 5 times less space and 12 times less volume for the same productivity in comparison with more conventional equipments (footprint = 1400 x 800 x 2100 mm, L x W x H)

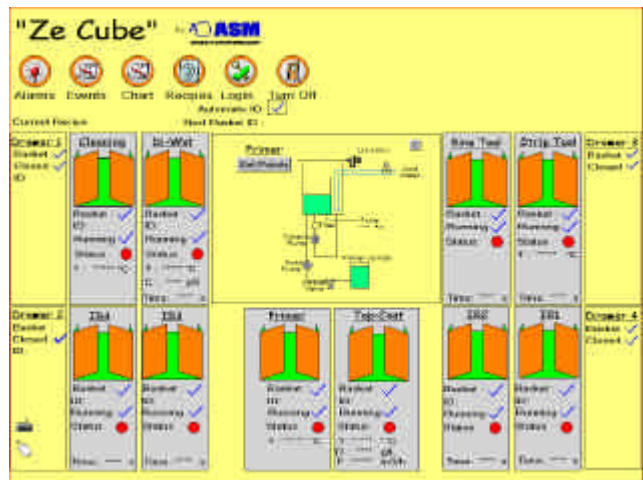
Less installation requirement:

« Ze Cube » rolls through every door and takes the lift. It requires only single phase electrical power and does not need any extra and costly clean-room or air conditioning system. « Ze Cube » is usually ready to produce in less that 2 hours after uncrating.

Less operator training requirements: Even unskilled operators can learn how to use the system within a couple of hours while the controls built in « Ze Cube » offer a true fool-proof operation.

Less maintenance requirements:

« Ze Cube » uses a highly reliable robot (with MTBF > 10.000 hours)



User friendly operator's interface, with built-in supervision and data-loading system



M O R E

More Quality: from integral Class 100 mini-environment and Class 10 compatible SCARA robot, with optional Temperature and Humidity control.

More Precision: 20 μm positioning accuracy on all axis of the robot for a smooth handling of your costly lenses

More Fonctionality: with built-in Primer + TOP-Coat, Top-Coat only and Clean only processes, as well as a fully independant Tool strip process (STD version only)

More cleaning capability: fully programmable, high power multifrequency ultrasonics ranging up to 1 MHz for ultimate cleanliness.

More Flexibility : with our unique « Multiclean » system that allows you to adapt the surface preparation chemistry to your substrates.

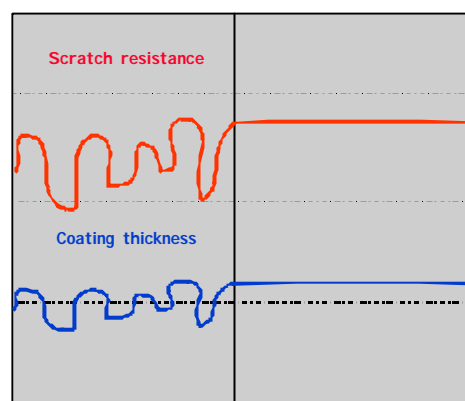
More Control: on your process from the integral, Windows based supervision system with color touch-screen with built-in ASM 2000 in-line coating controller for optimum reproducibility

More Process recipies: the only limitation of the number of different processes is the space on the hard disk.

More Trackability: for each batch of lenses with built-in historics and charts, allowing you to retrieve all the required infos from an «Access » type data-base.

More reliability: from a rugged architecture using only high quality industrial components

WITHOUT ASM 2000 WITH ASM 2000

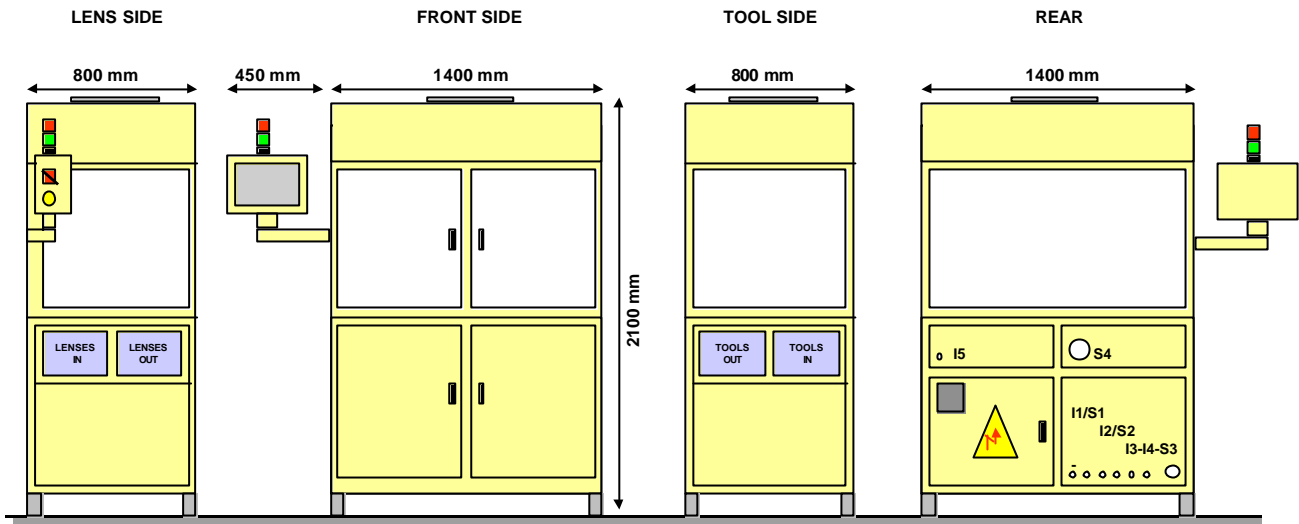


The built-in ASM 2000 in line controller eliminates all need for operator's intervention on the coating tanks



ASM, Advanced Solution Management

« Ze Cube, Main Dimensions & connections



Cold water inlet/outlet: 3/4" FG
 Compressed air: 1/4 " FG
 Drain: 1 " FG

D.I water close loop: 1/2" FG
 City-water: 3/4" FG
 Fume extraction: DN 80

« Ze Cube, Required facilities

Facilities	Std version	« 4C » version	Air cond option
Dimensions	800*1400*2200 mm	800*1400*2200 mm	800*1400*2200 mm
Weight	220 kg	250 kg	300 kg
Cold water	100 l/h-3 bars @10-16°C regim	300 l/h-3 bars @10-16°C regim	500 l/h-3 bars @3-10°C regim
DI water	Built in system	Built in system	Built in system
Compressed air	10 NL/min-4 bars	10 NL/min-4 bars	10 NL/min-4 bars
Drain	5 l/min	5 l/min	5 l/min
Fume extract	150 m3/hour	150 m3/hour	150 m3/hour
Fresh air	250 m3/hour	250 m3/hour	250 m3/hour
Power supply	208-220V/50-60 Hz- 25 Amps	208-220V/50-60 Hz- 25 Amps	208-220V/50-60 Hz- 40Amps

Distributed by:



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