

Насосы для полупроводниковой промышленности высокой производительностью iXM, для суровых условий iXN, для легких условий эксплуатации iXL, анализаторы технологических газов iTrap

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iTrap® Process Gas Analyzers

Fast pumpdown and high capacity pumping for industrial processes

See where you have been
blind before



Edwards Process Gas Analyzer - Real time process control for Semiconductor applications

iTrap® is a compact, highly sensitive ion trap Fourier Transform mass spectrometer. It is an ideal tool for process analysis and inline process control. It can be used in R&D and production environments. iTrap supports you reliably in detecting the smallest traces of reaction byproducts or contamination, it helps you to investigate effectiveness of cleans and analyze chamber health. A mass spectrum is measured in almost real time, and you can trace very small amounts of molecules in your process chamber. iTrap is a powerful tool in the hands of a researcher or process development engineer and can also be used as an intelligent sensor integrated and controlled by other process tool equipment.

Benefits

Edwards iTrap convinces through:

- Speed | Real time measurements possible, full spectrum in < 0.5 sec
- Sensitivity | Small trace concentration measurements
- Compactness | Can be integrated with a process chamber. Standardized software interface ready for external chemicals.
- Robustness against corrosives | Inert surface, No detectors. Withstands H₂, Cl, F and other aggressive chemicals

Greener and more reliable with a lower cost of ownership

Our innovative range of dry pumps brings you cutting-edge technology designed to enhance your semiconductor and electronics manufacturing environment.

Each range has been specifically designed to give advantages in environmental performance, reliability in harsh conditions and agility in light duty applications.



iXL series for light duty applications

The iXL series is a range of low energy compact dry pumps for light duty applications such as wafer handling, PVD, and metrology.

- Fast chamber pump down and extremely low power usage
- The iXL600(N) and iXL1000(N) dry pumps are among the smallest and quietest pumps available for light duty applications
- The iXL600M and iXL1000M variants are process hardened and specially designed for dielectric (oxide) etch and other similar applications
- The iXL600(N) and iXL1000(N) dry pumps feature high pumping speed and low energy consumption
- The iXL900R is the fastest loadlock pump currently available in its class for FPD loadlock applications. Customers can significantly reduce their operating costs and installation times with this new pump, which is particularly well suited to the largest loadlock chambers used for plasma vapour deposition (PVD) applications.

In addition, customers will need fewer pumps per loadlock chamber, which reduces installation time, systemisation costs, maintenance and utilities consumption.

- A Green Mode allows reduced utilities usage during idle periods, lowering costs and helping to improve your environmental performance

iXH series for harsh environments

The iXH dry pump range sets new standards for harsh process capability, reliability and lower cost of ownership.

- Wide temperature range allows you to optimise the pump for minimal by-product accumulation from condensation and plating
- iXH Mk2 dry pumps provide even longer service life on the harshest of processes and can provide significant improvements in power efficiency
- Innovative pump seal technology can lengthen process life and reduce your leakage risks
- Available with XCEDE technology for enhanced corrosion resistance.

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