

XCEDE UPGRADE FOR SEMICONDUCTOR DRY PUMPS

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Introducing XCEDE

Working with leading material experts, Edwards has developed a cutting edge new treatment technology to tackle critical semiconductor processes that produce highly corrosive byproducts.

XCEDE protects critical pump components such as rotors and stators and outperforms all competing methods, across all criteria. XCEDE technology achieves exceptional pump lifetime extension through corrosion protection combined with resistance to galling and seizure.

Edwards is continuing to invest in fully automated, state of the art equipment and technology to ensure quality components, long pump lifetime and capacity to meet demand.

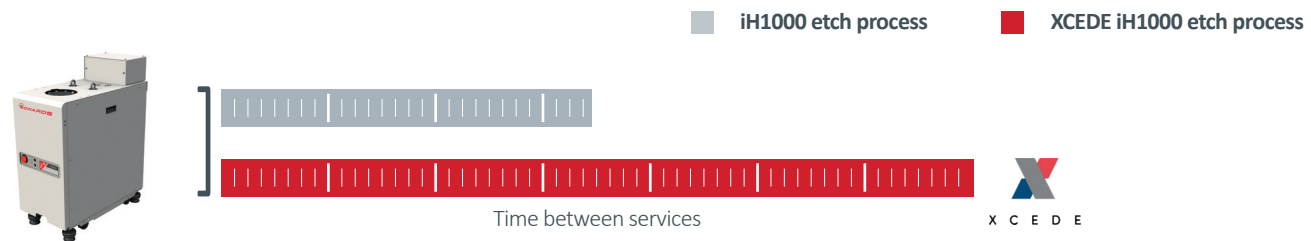


XCEDE is the result of thousands of hours of development from a unique team of world leading chemists, metallurgists, mechanical engineers, and process experts. It provides outstanding performance, extending pump life in applications including Etch and CVD.

XCEDE Main Values

- Increase pump life
- Fewer service events
- Lower total cost of ownership

Edwards iH1000 XCEDE on HPD CVD Process - Provides excellent corrosion resistance and increased pump life, resulting in lower total cost of ownership.



Edwards iXH1820 XCEDE on Harsh Etch Process - Provides increased durability, maintaining vacuum performance through a resistance from galling and seizure.



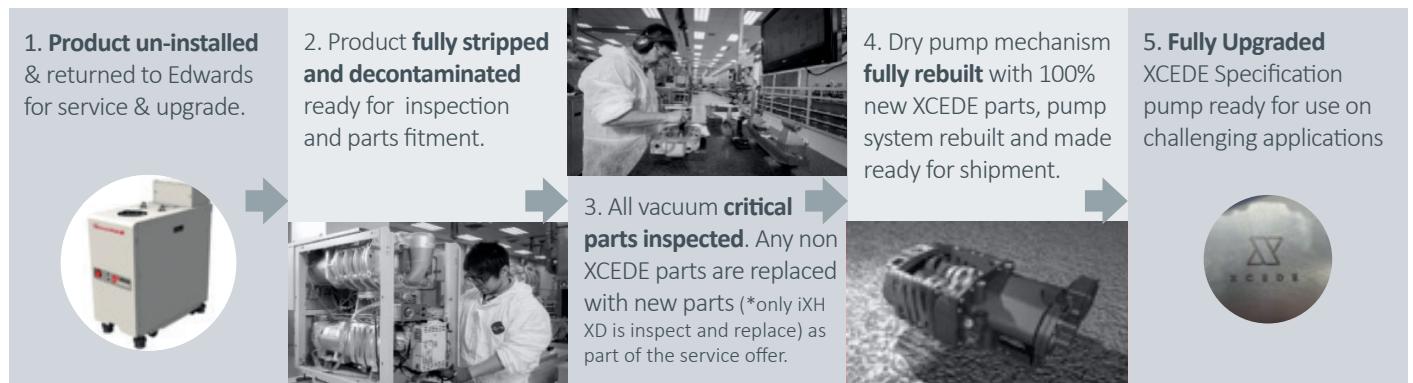
XCEDE Upgrade Options

XCEDE uses a complex combination of surface treatment and precision engineering to reduce the chemical and mechanical wear within the pump mechanism. It represents the next evolution in enhanced durability for Edwards' **iH**, **iXH** and **iXM** pump families.

XCEDE Scope of Work

Pump	XCEDE Parts	Non XCEDE Parts (Dry Pump Cartridge)
iH XD	100% Replacement	100% Replacement
iXH XD	100% Replacement	Inspect -> Replace
iXM XD	100% Replacement of Shaft and Rotor (2 parts)	100% Replacement of Inlet/Exhaust Stators (2 parts)
iXM XD+	100% Replacement (4 parts)	n/a

Process for XCEDE Upgrade



Edwards Service Warranty

All XCEDE protected parts come with an Edwards 12 Months standard warranty.

GLOBAL CONTACTS

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