

EXHAUST MANAGEMENT SOLUTIONS

Giving you a clear edge

PRODUCT DATASHEET

Edwards is the world leader in exhaust management solutions. Our goals lie far beyond the destruction of toxic and global warming gases which impact our environment. We are application experts who understand our customers' processes, and develop solutions focused on maintaining productivity and lowering risk.

Serving all leading process tool OEMs, and with a presence at every major semiconductor fab in the world, our products are designed to meet the specific requirements of existing and developing processes.

Our solutions will improve your process up-time, yield, throughput and safety compliance whilst striving to balance the often conflicting requirements of lower cost of ownership through reduced environmental emissions and extended product lifetimes with a reduction in on-going service costs.

Exhaust Management Expertise

- **Low cost of ownership**
 - Green Mode energy savings
- **Leading edge manufacturing facility**
 - Purpose built manufacturing facility in Clevedon, UK
- **Committed to quality**
 - Commitment to world class standards ISO9001, ISO14001, Kaizen
- **Research and development**
 - On site laboratory for development of next generation exhaust management products
- **Unrivalled applications expertise**
 - Edwards applications expertise leads the way for semiconductor wafer, LCD, flat panel display, compound semiconductor and solar cell manufacture
- **Integrated systems**
 - Faster, cheaper installation with improved cost of ownership capability and improved safety
- **Global service support**
 - Over 940 trained service personnel world wide



Markets & Products

<p>Semiconductor</p>  <p>From high volume manufacturing to novel process developments, we have been providing exhaust management solutions to the semiconductor industry for the past 20 years.</p>	 <p>Atlas with its inward fired combustor technology is capable of handling the widest range of processes.</p>	 <p>Atlas Etch for unrivalled abatement of CF4 and other high GWP gases used in semiconductor etching.</p>
<p>Flat Panel Display</p>  <p>Enabling the future demand for higher-resolution, more interactive, ultra-slim and flexible devices, challenges us in developing smarter solutions which will reduce cost of ownership and improve process uptime.</p>	 <p>The Spectra Z with its unique 4 stage combustion technology is ideally suited to handling high volumes of pyrophoric materials.</p>	 <p>Atlas FPD Etch is a harsh duty derivative of the inward fired combustor range designed to cope with the higher flows and more aggressive processes seen in Flat Panel Etch.</p>
<p>Solar</p>  <p>We have leveraged our product capabilities and application expertise from the semiconductor field, and either transferred or developed our most advanced technology for photovoltaic manufacturing processes.</p>	 <p>The Spectra Z with its unique 4 stage combustion technology is ideally suited to handling high volumes of pyrophoric materials.</p>	 <p>Atlas with its inward fired combustor technology is capable of handling the widest range of processes.</p>
<p>LEDs</p>  <p>Our vast experience gained in the semiconductor field puts us in a unique position to support LED manufacturers in the adoption of more silicon wafer processing technology, such as Etch, PECVD and ICP chip production into their process.</p>	 <p>Spectra G provides clean abatement for GaN processes.</p>	 <p>Atlas Helios is ideal for phosphide and nitride processes. For high flow hydrogen processes and ammonia abatement the Atlas Nova offers unrivalled performance.</p>
<p>All Markets</p>  <p>Zenith uses our applications expertise to offer process-centric vacuum and exhaust management with support of each function with a powerful, integrated control interface.</p>	 <p>EZENITH combines Edwards latest iXH generation of harsh dry pumps and the Atlas inward fired Combustors to provide a cost efficient solution for deposition processes. It incorporates Green Mode for additional utility savings.</p>	 <p>The EZENITH Etch uses the combustor technology of Atlas along with light duty vacuum pumps to provide the lowest cost of ownership solution for etch processes.</p>

Global contacts

EUROPE

UK **Crawley** +44 1293 528844
 UK (local rate) 08459 212223
 Belgium **Brussels** +32 2 300 0730
 France **Paris** +33 1 4121 1256
 Germany **Munich** 0800 000 1456
 Italy **Milan** +39 02 48 4471

USA

Niagara (toll free) +1 800 848 9800

BRAZIL

Sao Paulo +55 11 3952 5000

ISRAEL

Qiryat-Gat +972 8 681 0633

ASIA PACIFIC

China (toll free) +86 400 111 9618

India, Pune +91 20 4075 2222

Japan, Yachiyo +81 47 458 8831

Korea, Bundang +82 31 716 7070

Singapore +65 6546 8408

Taiwan R.O.C. Jhunan Town +886 3758 1000

Publication Number: Y000-00-895 Issue A
 © Edwards Limited 2014. All rights reserved.
 Edwards and the Edwards logo are trade marks of Edwards Limited.

edwardsvacuum.com

