

VACUUM AND ABATEMENT FOR THE LED INDUSTRY



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INNOVATIVE PRODUCTS

GLOBAL STRENGTH

LOCAL SUPPORT

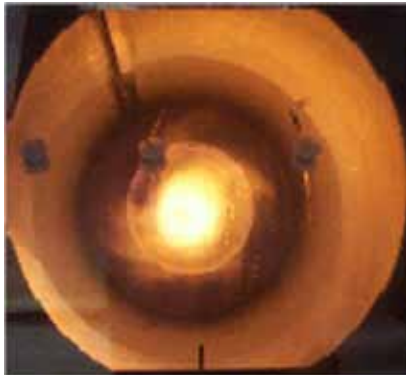
VACUUM EXPERTISE

Vacuum Solutions for MOCVD



Edwards is the world leader in the manufacture of vacuum pumps for a wide range of semiconductor applications. Our new range of iXH pumps is especially well-suited to meet the challenges of reliably pumping large flows of hydrogen and ammonia at low pressures in a small footprint with low utility consumption.

Abatement Solutions for MOCVD



In LED manufacturing, the extraction, safe handling and disposal of gases from MOCVD processes contribute to manufacturing CoO. The conventional approach to exhaust gas management uses a wet scrubbing technology that adds significant costs to the manufacturing process in terms of energy use, water consumption and treatment.

With sales to several of the world's leading LED manufacturers and OEMs, Edwards is unique in having a range of products optimised for each MOCVD challenge.

Combining Solutions

The benefits of integrating related subsystems in a production environment has been proven in a variety of industries, such as semiconductor and flat panel manufacturing, to help reduce overall manufacturing CoO in a variety of ways. Combining these two functions into a single integrated unit can result in synergistic CoO benefits beyond those already offered by its component parts. These include lower overall capital expenditures, reduced installation time and expense, fewer facility connections and safety. Clearly, an integrated vacuum and abatement system, composed of subsystems optimised to the needs of high-volume LED production.

Spectra G for Multi-Tools



Atlas-Helios for Single Tools



GaNcat for R&D



Zenith Vacuum & Abatement for Phospides



Features

- *High DRE performance*
- *Low cost of ownership*
- *Low downtime*
- *Minimised formation of undesirable by-products*
- *Fuel & non-fuel solutions*



Edwards – the company you have known and trusted for nearly 100 years - continues to deliver innovative vacuum pumps and related systems. We strive to lower your cost of ownership, increase your productivity and enhance your final product quality. Edwards products are based on a solid foundation of manufacturing excellence, field-proven technologies and are supported by a renowned global services network.

Edwards stands behind each product with exceptional integrity and strength, supporting our customers beyond standard expectations. Edwards is essential to your process.

PRODUCTS:

- Dry Vacuum Pumps
- Oil-sealed Vacuum Pumps
- Turbomolecular Pumps
- Exhaust Management
- Integrated Vacuum and Abatement
- Liquid Abatement
- Chillers
- Vacuum System Components

SERVICES:

- Equipment Service and Repair
- Product Exchange
- Refurbished Equipment
- Field and On-site Services
- Remote e-Diagnostics
- Product Training

GLOBAL CONTACTS:

BELGIUM

Brussels +32 2 300 0730

BRAZIL

Sao Paulo +55 11 3952 5000

CHINA

Shanghai +86 21 5866 9618

FRANCE

Paris +33 1 4121 1256

GERMANY

Munich 0800 000 1456

INDIA

Pune +91 20 4075 2222

ISRAEL

Qiryat Gat +972 8 681 0633

ITALY

Milan +39 02 48 4471

JAPAN

Yachiyo +81 47 458 8831

KOREA

Bundang +82 31 716 7070

SINGAPORE

Singapore +65 6546 8408

TAIWAN R.O.C.

Toufen Town +886 37 611 422

UNITED KINGDOM

Crawley +44 1293 528844

UK Local Rate (UK Only) 08459 212223

UNITED STATES

Toll Free (US Only) +1 800 848 9800



WWW.EDWARDSVACUUM.COM