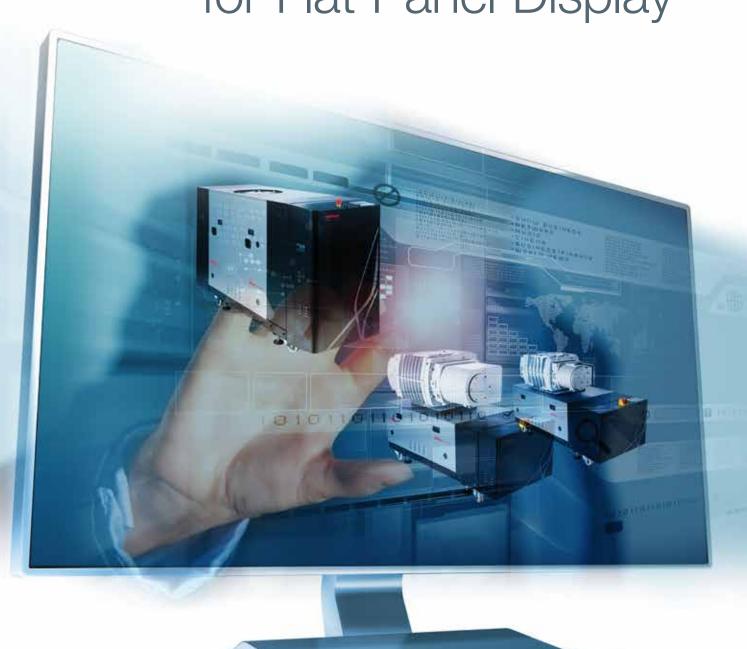


Innovative Vacuum Solutions

for Flat Panel Display



Vacuum Solutions for

DRYVAC SYSTEMS - THE LEYBOLD STANDARD

for Flat Panel Display



With our DRYVAC SYSTEM platform we offer innovative solutions based on our DRYVAC dry screw pumps in combination with RUVAC WH booster pumps. These systems cover a large variety of Flat Panel Display application in the production of LCD and OLED displays.



We offer standardised ergonomics – easy to install, easy to use.

Quality

Our product quality and knowhow ensures your sustainable success in vacuum

Performence

High capacity dry pumps and dry booster pumps are our focus

lotal cost of ownership

We offer the best total cost of ownership package for your projects

Challenging Requirements

DS 2545 U / DS 2565 U

Trust a pump with experience

These systems are designed for load lock and transfer applications. Their performance and reliability is proven by a large installed base in the flat panel display market.



DS 2545 F / DS 2565 F

Dry fore-vacuum pump systems for transfer chambers, VCD (DS 2565) and process applications such as thin film encapsulation ALD and PECVD (DS 2565C-F).



DS 4465 U

Get the number one in load lock

These system is especially designed for load lock. By combining large capacity, high performance dry pump technologies we offer the fastest load lock package.



DS 4465C-F

Dry pump systems for high throughput process applications such as thin film encapsulation ALD and PECVD (DS 4465).



DS 7065C-F / DS 70120 F

Boost your process performance

Dry pump systems for maximum throughput process applications such as thin film encapsulation ALD / PECVD (DS 7065) and VCD (DS 70120).

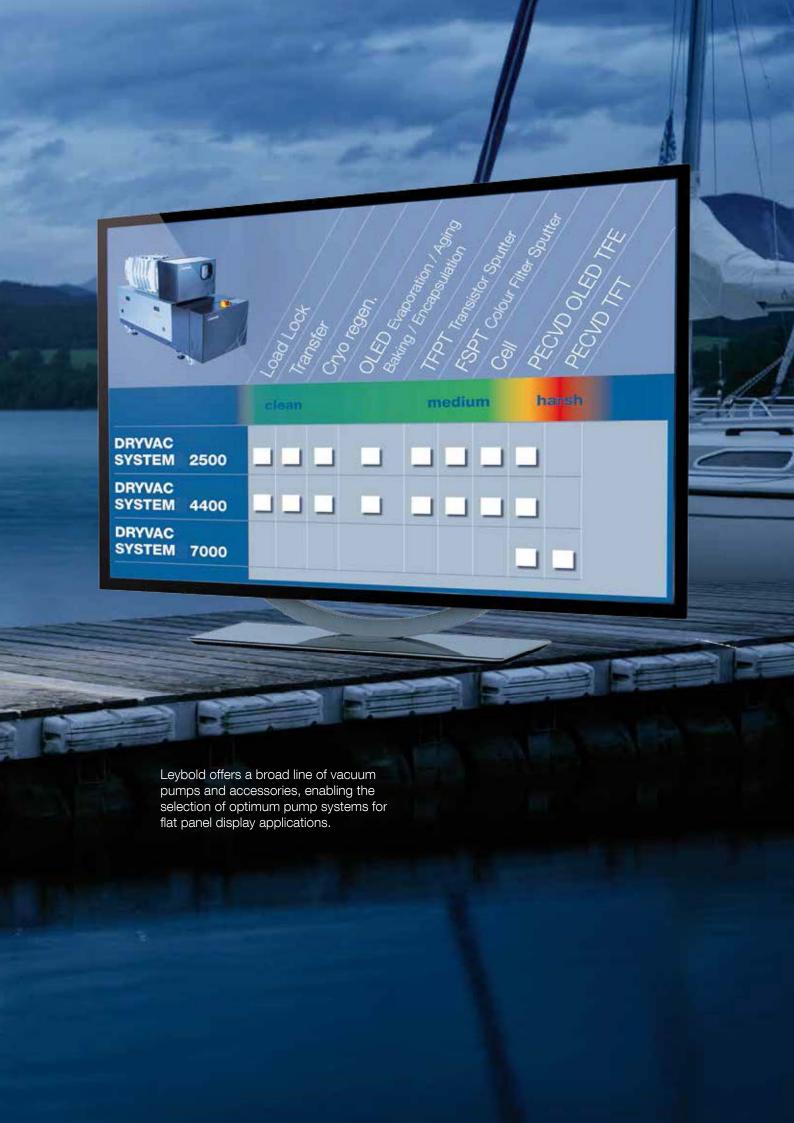


DS 7050C-F

The new generation of PECVD

PECVD processes are key in the manufactoring of thin film transistors. The share of PECVD pumps in the Display production processes is high and these processes are considered to be harsh. Leybold now qualified a new generation of temperaturecontrolled PECVD processes pumps which offer maximum throughput giving you the benefit of ONE SET LESS per chamber.

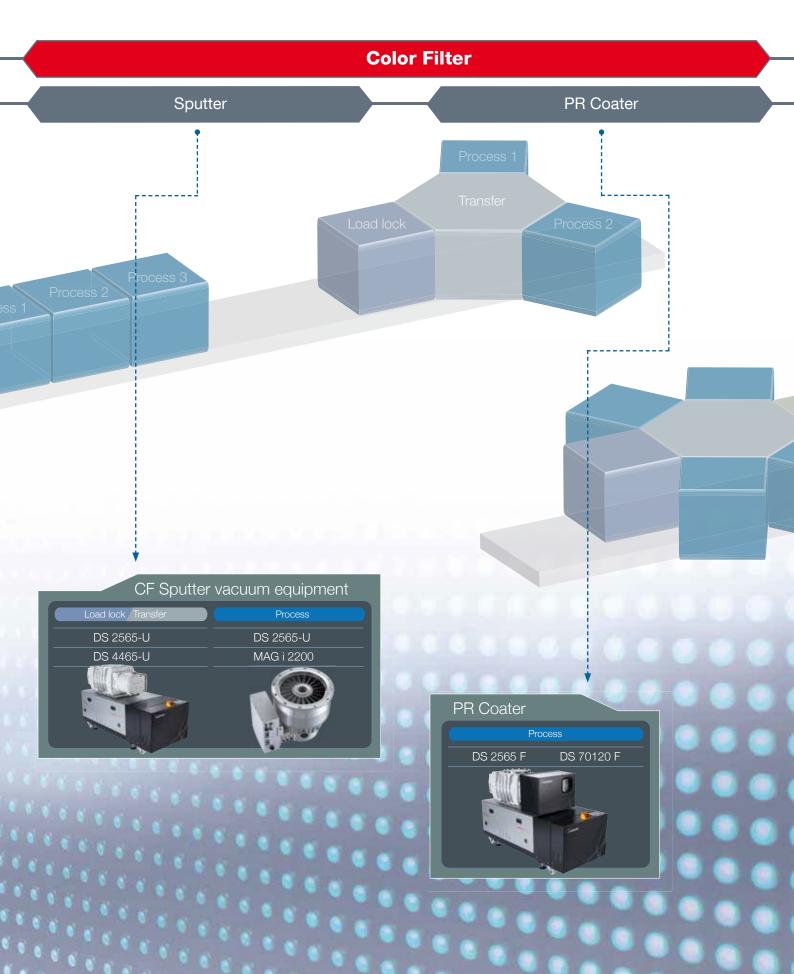




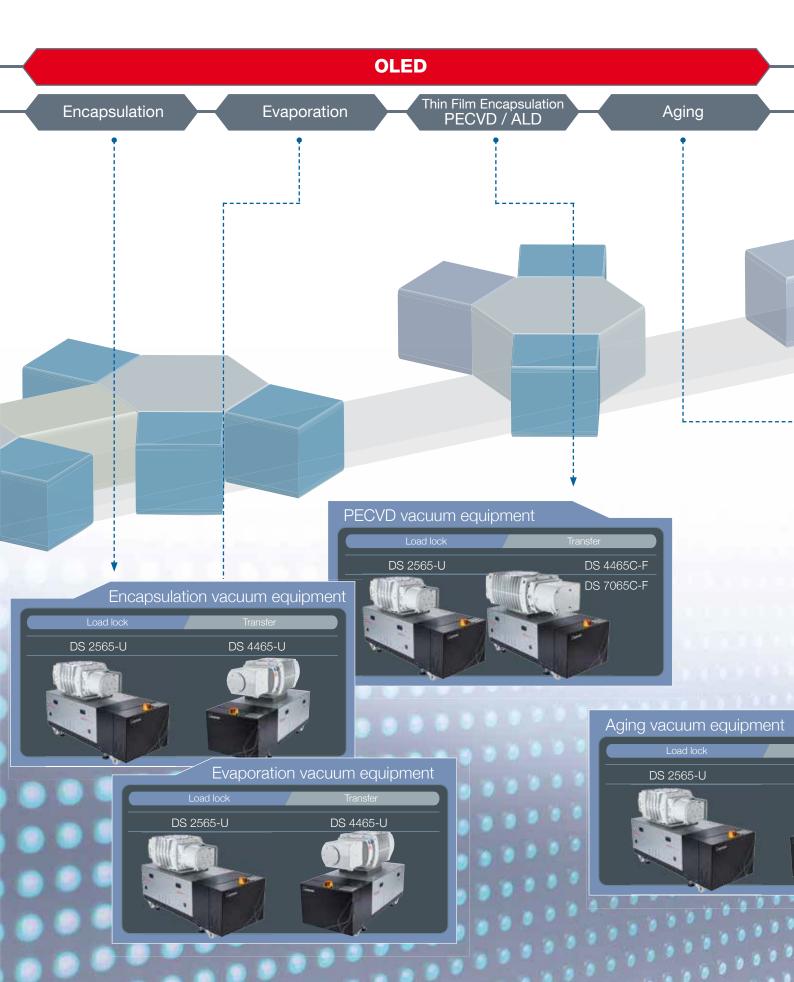
Innovative Vacuum

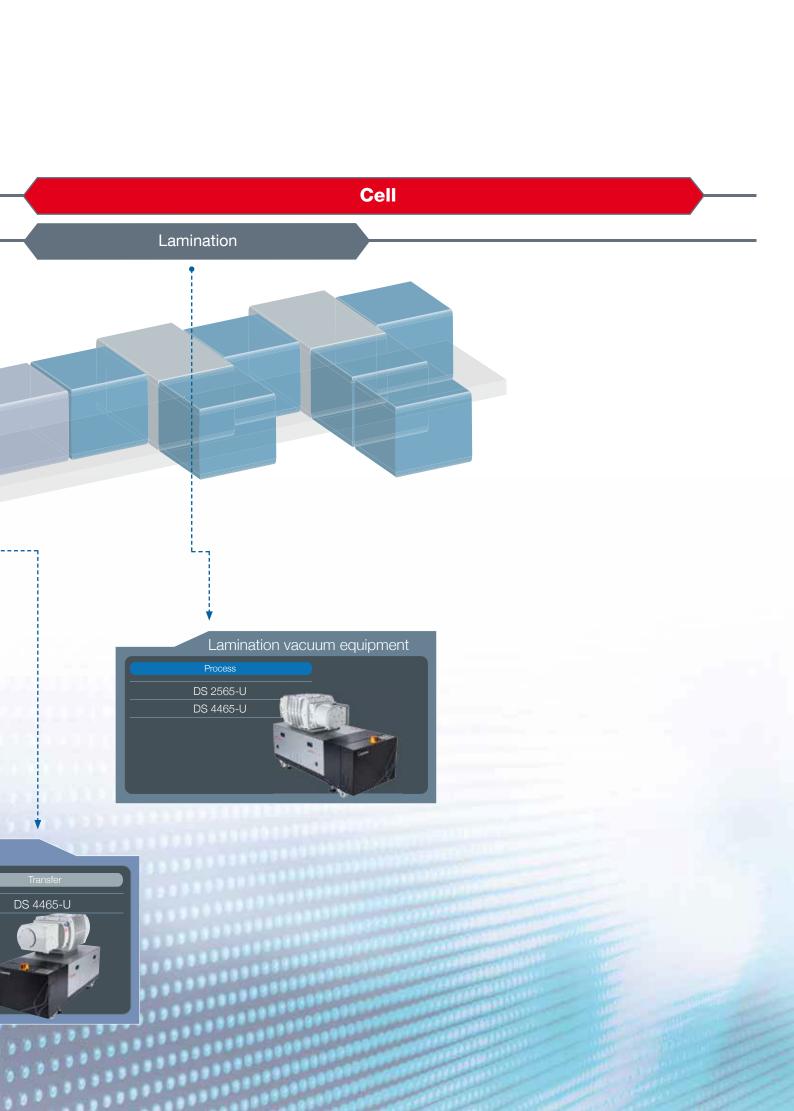


Solutions for Flat Panel Display



Production Processes







Flat panel displays for TVs,

Numerous production steps under vacuum conditions require vacuum systems with highest reliability, quality and optimized cost of ownership.

Efficient solutions

The Leybold team of vacuum specialists developed pumping simulation and designing programs to provide the optimized vacuum solution for your project and processes. Continuous improvement drives our innovation program in order to enhance pumping performance and minimize utility costs.

For choosing the optimal pump design, parameter such as demanding engineering requirements, safety aspects, reliability, capital investments and cost of ownership need to be taken into account.

Vacuum systems are designed and qualified generally in close cooperation with the manufacturers of coating systems, drawing on the experience gained from long-term relationship and cooperation with leading customers.

Leybold convinces with technological leadership offering products which provide clean vacuum, high quality and excellent performance. Our consultancy expertise in analyzing operating costs based on our products allows us to clearly show financial and technological advantages over competitive solutions.





tablets and smartphones are parts of our daily life

Service nearby, worldwide

Leybold offers an extensive global network of sales and service companies as well as representations.

Thanks to this network, we not only ensure a direct and close contact to our customers achieving global quality standards.

Whether you are an end-user of our products or an OEM – vacuum technology is either system integrated or needs to be maintained in your installed base. We also offer customized service solutions and contracts to meet your specific needs.

DRYVAC SYSTEM		2500				4400		7000	
		DS 2545 U	DS 2565 U	DS 2545 F	DS 2565 F	DS 4465 U	DS 4465C-F	DS 7065C-F	DS 7050C-F
Pumping Speed I/m		35.000 (50 Hz) 40.000 (60 Hz)	35.800 (50 Hz) 41.700 (60 Hz)	35.000 (50 Hz) 58.300 (100 Hz)	35.800 (50 Hz) 62.500 (100 Hz)	60.000 (50 Hz) 70.000 (60 Hz)	60.000 (50 Hz) 85.800 (80 Hz)	86.600 (50 Hz) 110.000 (70 Hz)	97.000
Power k	N	5.6 (50 Hz) 5.7 (60 Hz)	7.8 (50 Hz) 7.9 (60 Hz)	5.6 (50 Hz) 6.2 (100 Hz)	7.8 (50 Hz) 8.4 (100 Hz)	8.1 (50 Hz) 8.3 (60 Hz)	8.1 (50 Hz) 8.9 (80 Hz)	8.3 (50 Hz) 8.9 (70 Hz)	9.0
Water I/m	n.	8.2	9.7	8.2	9.7	13.2	13.2	13.2	12.2
Inlet IS	0	250	250	250	250	250	250	320	320
Outlet IS	0	63	63	63	63	63	63	63	63
Dimension (L x W x H) m		1532 x 666 x 984	1532 x 666 x 984	1532 x 666 x 984	1532 x 666 x 984	1532 x 666 x 1074	1532 x 701 x 1074	1643 x 666 x 1076	1934 x 677 x 1137
Noice Level (@ pend) dB/	A)	<65	<65	<65	<65	<65	<65	<65	<65

Reliable monitoring and control for all vacuum processes.

Helium leak detectors

Designed for the requirements of industrial series production. Well-proven and easy to use in production and quality control programs.

Turbomolecular pumps

TURBOVAC line with mechanical rotor suspension, TURBOVAC MAG line with magnetic rotor suspension and the TUBOVAC i series with hybrid rotor suspension.

Refrigerator cryo pumps

Hydrocarbon-free high-vacuum generation with highest water-vapor pumping capability, long maintenance intervals, installation in any orientation.

Flange systems

Small flanges from DN 10 to DN 50 Clamped flanges from DN 63 to DN 630 CF flanges from DN 16 to DN 250











We are the leading supplier for vacuum products. For 165 years, customers all over the world rely on our experience and expertise as partner in vacuum technology.

All products must pass an extended qualification program with strict toll gates before they are released into the market. For all serial products we have a continuous improvement program in place.

- Worldwide service network we are where you need us
- On-site support by our field service team
- 24 hours / 7 days a week
- Exchange program with back-up pool management
- Customized service contracts
- Remote service
- Extended warranty program
- Genuine spare parts

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