



SEMICONDUCTOR



GENERAL  
VACUUM



ANALYTICAL  
INSTRUMENTS



R&D



PHOTOVOLTAIC



LED



CHEMICAL  
INDUSTRY



EMT

# THE POWER PACK

For ultra-high vacuum requirements  
and harshest applications



The EMT is a 5-axis magnetically levitated vacuum pump and completely hydrocarbon free. Five major types of EMT with temperature control, corrosion resistance, ultra low vibration and more are available.

## BENEFITS

- Ultra-high vacuum
- Most energy efficient temperature management
- Radiation resistant or with PK board inside
- Completely hydrocarbon free
- Installation in any orientation
- Safety standards



Models	EMT397M	EMT427M	EMT907M	EMT1307M	EMT2400M
Pumping speed in l/s	340	400	900	1,300	2,400
Ultimate pressure Pa	< 1,00E-7*	< 1,00E-7*	> 1,00E-8**	< 1,00E-8**	< 1,00E-6
Backing pump (recommended) l/min	> 160	> 160	> 250	> 250	> 500
Inlet flange diameter DN	DN100	DN160	DN160	DN200	DN250
Throughput N2 (sccm)	2,000	2,000	3,000	3,000	3,000
Start up time (min)	< 3	< 3	< 5	< 5	< 5
Stop time (min)	< 5				
Height in mm	288 - 294	250 - 255	401 - 407	349 - 410	340
Size in mm (diameter)	Ø186	Ø180	Ø264	Ø264	Ø310
Weight in kg	16-19	16-19	37-45	37-45	45

All data without guarantee.

\* for CF flange model    \*\* for ultra high vacuum model

## APPLICATIONS FOR EMT

- EUV lithography
- Micro-machining (MEMS)
- CD line width measurement
- SEM/TEM Electron
- Microscopy
- Nano technology
- XPS

**For further information, technical data or drawings please contact  [components@ebara-pm.eu](mailto:components@ebara-pm.eu)**

EBARA is a worldwide leading global manufacturer of vacuum and semiconductor systems used in the production of wafers, liquid crystals, solar cells and other products requiring advanced technology.

EBARA supports



EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs approximately 170 people in Europe. The portfolio includes dry and turbo molecular vacuum pumps as well as gas abatement systems. In addition, EPME sells state-of-the-art CMP tools, wafer bevel polishing and substrate coating systems. In Europe, EPME has a central warehouse and two overhaul centres for vacuum pumps. EBARA is No 2 on the world market for CMP tools and vacuum pumps.

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