



**VACUUM** 







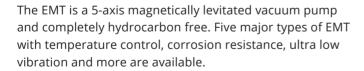






THE POWER PACK

For ultra-high vacuum requirements and harshest applications



## **BENEFITS**

**EMT** 

- Ultra-high vacuum
- Most energy efficient temperature
- Radiation resistent
- Completely hydrocarbon free
- Installation in any orientation
- Safety standards







Models	ЕМТ397М	EMT427M	ЕМТ907М	EMT1307M	EMT2400M
Flange size inlet port (DN)	VG100/ISO-B100/ CF100	VG150/ISO-B160/ CF160	VG150/ISO-B160/ CF160	VG200/ISO-B200/ CF200	VG250/ISO-B250
Max pumping speed N <sub>2</sub> in l/sec	340	400	900	1,300	2400
Base pressure (VG/ ISO-B flange) in Pa	< 1x10 <sup>-6</sup>	<1x10 <sup>-6</sup>	<1x10 <sup>-8</sup>	<1x10 <sup>-8</sup>	<1x10 <sup>-6</sup>
Max throughput N <sub>2</sub> in Pa I/s	3,680	3,680	5,520	5,520	5520
Max backing pressure in Pa	400	400	500	500	200
Cooling requirements	water or air cooling				
Noise emission in dB(A)			≤ 70		
Size in mm H	288-294	250-255	401-407	349-410	340
Diameter in mm	Ø186	Ø180	Ø264	Ø264	Ø310
Weight in kg	16-19	16-19	37-45	37-45	45

## **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

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 150 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 an overhaul centre for vacuum pumps.

