



SEMICONDUCTOR



GENERAL  
VACUUM



PHOTOVOLTAIC



# EST THE HIGH SPEED

Water-cooled EST dry vacuum pump  
for powdery, corrosive applications



The EST is qualified for harsh applications generating reactive chemical by-products. It manages high gas loads and enhanced powdery by-product handling. The compact design allows high operating temperature and corrosion resistant material.

## BENEFITS

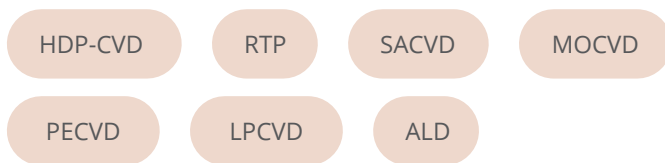
- High operating temperature
- High gas loading stability
- Flexible gas throughput



Models		EST10N	EST25N	EST100WN	EST200WN	EST300WN	EST500WN
Pumping speed in l/min		1,000	2,500	10,000	20,000	30,000	50,000
Pumping speed in m <sup>3</sup> /h		60	150	600	1,200	1,800	3,000
Ultimate pressure Pa/mbar		2.7/2.7e-2	2.7/2.7e-2	0.4/4e-3	0.4/4e-3	0.4/4e-3	0.4/4e-3
Power at ultimate pressure in kW		2.3	3.0	3.2	3.2	4.5	4.6
Cooling water flow l/min		5 - 8					
N2 purge flow Pam <sup>3</sup> /s		13 - 18	13 - 18	24 - 29	24 - 29	28 - 31	28 - 31
Size in mm	L	1,100	1,140	1,100	1,100	1,140	1,140
	W	410	410	410	410	520	520
	H	735	742	922	922	948	948
Weight in kg		260	300	380	430	500	550

All data without guarantee.

## APPLICATIONS FOR EST



## APPLICATIONS RANGE



**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.

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EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs more than 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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