

# 11

## SECTION

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# 11 CHAPTER VACUUM PUMP

## General Information

### 24×7 Complete Vacuum Pump and System Service Year Round

Htc has established a well-rounded professional team based on the idea of “faster service, better quality and higher values.” Htc pump service center has a complete line of decontamination, cleaning, drying, balancing, and vibration analysis equipment to minimize failures. The strict maintenance training provides the customers of semiconductor and FPD industries 24-hour on-call maintenance service.

With professional technique, excellent quality of overhaul and our own vacuum components supply system make Htc the best partner of the customers. From initial communication and counseling to after-sale maintenance service, your needs and satisfaction will be our first priority of our services.

### Pump Overhaul



### Vacuum Pumps

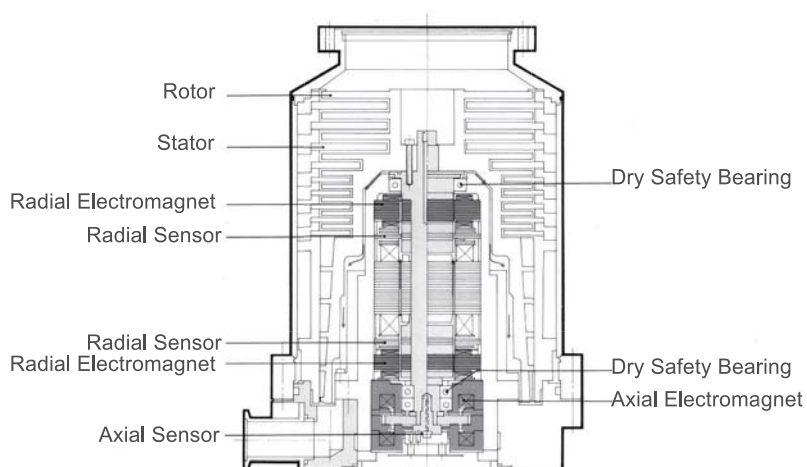
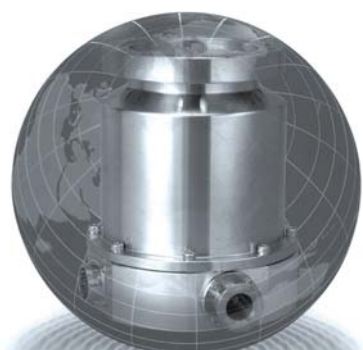


## Turbo Molecular Pump

HTC is an authorized agent and service center for EDWARDS turbo molecular pump.



For more than 10 years our service department has repaired most models of turbo molecular pumps, satisfying the rigorous demands of the semiconductor industry. Our extensive parts inventories, factory-trained technicians and fully equipped, environmentally safe facilities allow us to provide quality workmanship at fair price.





## Dry Pump Overhaul Flowchart



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## Repair Kits

### EBARA Dry Pump Repair kits-40.20



Parts Name	Parts No.	Fig.
Drive Shaft / Driven Shaft	800312001030	1
Timing Gear	800315001140	2
Bearing Housing	800315001080	3
Pressure Transducer	800315003230	4
Oil Level Switch	800315001290	5
N2 Pressure Valve	800315003420	6
Pressure Gauge	800315003220	7
Wheel (CM100)	1A023430010	8

Parts for all Ebara types are available upon request. (Ex. A series/AA series/ESR series/AAS series etc.)



## Repair Kits

### EBARA Dry Pump Repair kits-A70W



Parts Name	Parts No.	Fig.
BP Casing Top / Casing Bottom	800315002010	1
BP Drive Shaft / Driven Shaft	800315002030	2
DP Casing Top / Casing Bottom	800315001010	3
DP Drive Shaft / Driven Shaft	800315001030	4
Timing Gear	800315001140	5
Bearing Housing	800315001080	6
N2 Flow Meter(Dilu)	800315003240	7
N2 Flow Meter(Seal)	800315003250	7
Pressure Transducer	800315003230	8
Oil Level Switch	800315001290	9
N2 Pressure Valve	800315003420	10
Pressure Gauge	800315003220	11
Wheel (CM100S)	800315001410	12
Water Flow Meter	800315003260	13

Parts for all Ebara types are available upon request. (Ex. A series/AA series/ESR series/AAS series etc.)

Dimension in mm unless otherwise noted

All information contained herein was current at time of publication, we reserve the right to change the design/specification for products improvement without notice.

# 11 CHAPTER VACUUM PUMP

## Repair Kits

### EBARA Dry Pump Repair kits-AA70



Parts Name	Parts No.	Fig.	Parts Name	Parts No.	Fig.
BP— Casing	800323002010	1	DP Timing Gear	800324001500	8
BP Drive Shaft / Driven Shaft	800323002030	2	BP Timing Gear	800324002140	8
DP Casing Top / Casing Bottom	800323001010	3	Oil Level Switch	800315001290	9
BP Rotor Motor	800324002340	4	N2 Pressure Valve	800315003420	10
DP Rotor Motor	800323001180	4	Pressure Gauge	800315003220	11
DP Drive Shaft / Driven Shaft	800323001030	5	Wheel (CM100S)	800315001410	12
BP(F) Bearing Housing	80032402081	6	Water Flow Meter	800315003260	13
MP(F) Bearing Housing	80032401081	6	N2 Flow Meter(Dilu)	800315003240	14
BP(M) Bearing Housing	80032402080	7	N2 Flow Meter(Seal)	800315003250	14
MP(M) Bearing Housing	80032401080	7			

Parts for all Ebara types are available upon request. (Ex. A series/AA series/ESR series/AAS series etc.)



## Valve Sub-ass'y Repair / Overhaul

Htc can repair and overhaul for various brands of vacuum valves. We have the ability to fix or produce the damaged components and hardware, the complete overhaul process and standard operation procedure make your vacuum valves work well. The combination of high technology, high quality and high value is our core competency for all the products and service we provide. With years maintenance experience and reputation that Htc is your best choice.

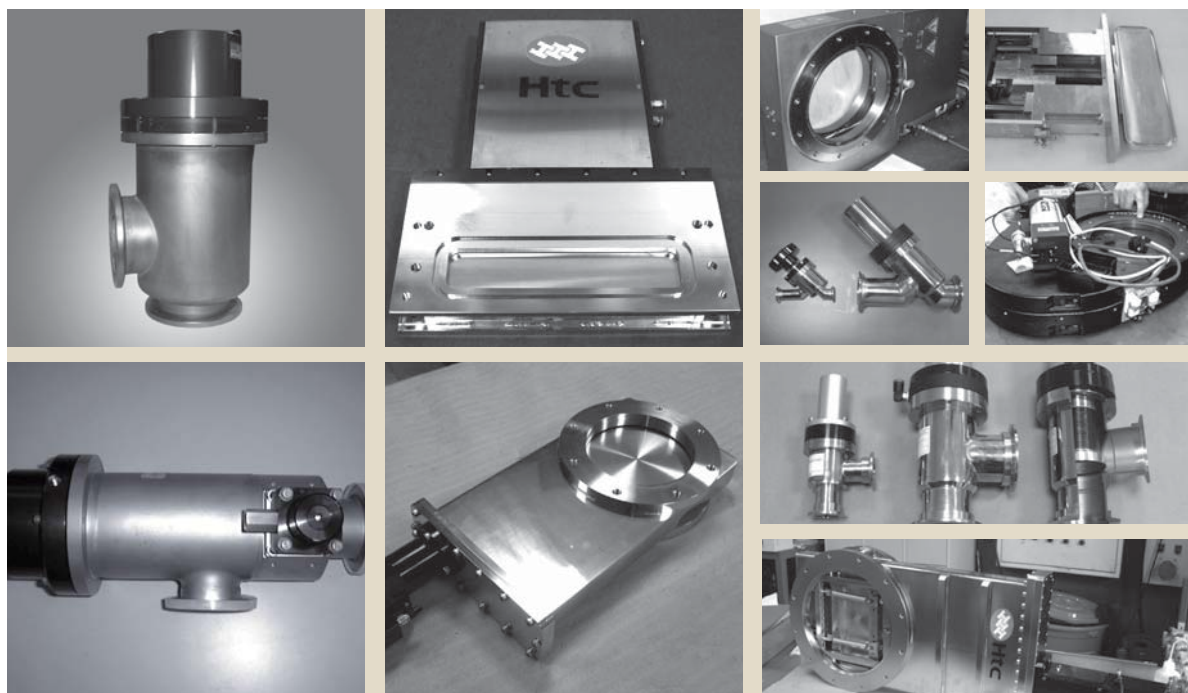


- Application Process

CVD / PVD / Etch

- Facilities Supplier

AMAT / TEL / Varian / LAM / EATON



# 11 CHAPTER VACUUM PUMP

## Used Pump

Htc has been selling and servicing vacuum pumps for more than fifteen years. We keep various used dry pumps in stock for different customers' need. The brands of used pumps are including Alcatel, EBARA, Kashiya, TAIKO, ULVAC etc. The manufacturers specifications are met during inspection, assembly and test by our well-trained technicians.

