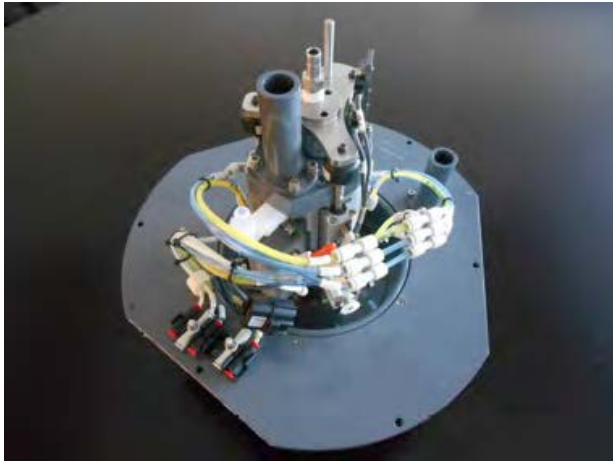


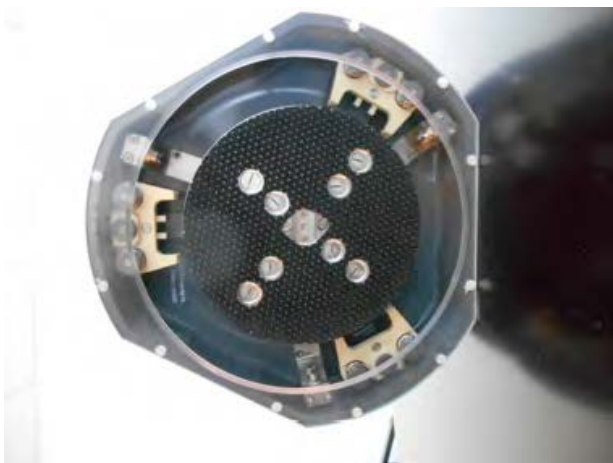


HCLU Refurbishment



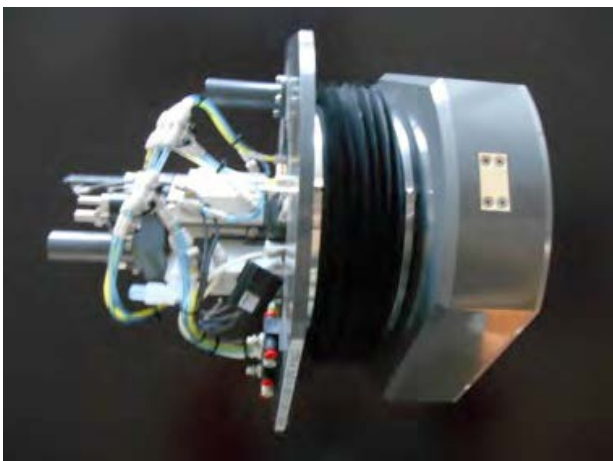
Overview

The HCLU is the interface for transferring wafers to and from the wafer handling robotics and the polishing module. In the process of transferring wafers, the HCLU washes the wafers and carrier head while aligning them for the transfer.



Highlights

- Incoming Inspection Report detailing the recommended replacement parts
- Repainted surfaces
- Replacement of consumables, worn parts, bearing seals, and hardware
- Refurbished assembly is fully tested in an operational environment
- Certificate of Conformity
- Exchange Program
Turnaround: ≤ 2 weeks
- Optional Teflon Coating Available



See Reverse Side for Details





HCLU Refurbishment

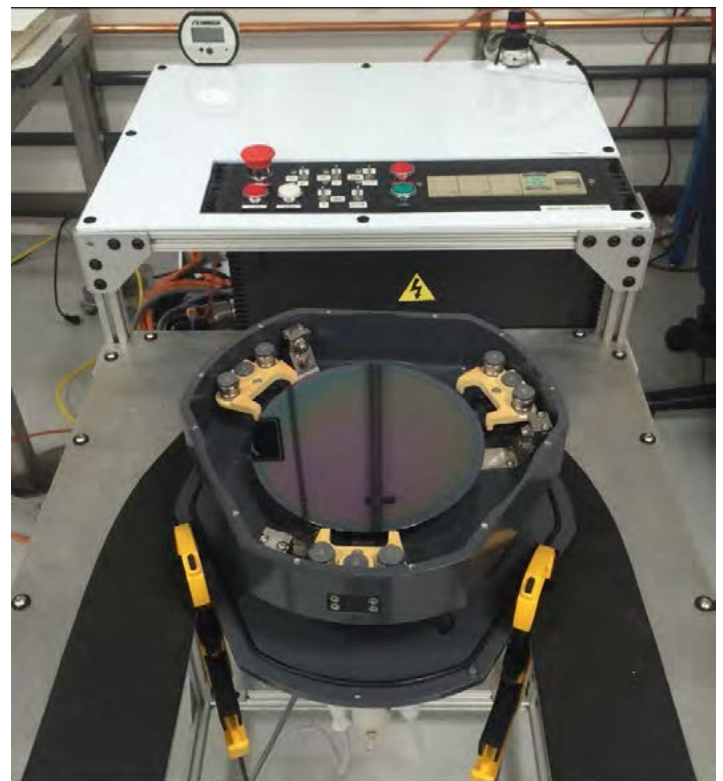
Refurbishment Process

The standard refurbishment includes repainting all the standard grey painted parts and replacing pneumatic lines, and basic hardware. Shown below is a list of all the standard replaced parts. Parts not listed are taken apart, cleaned, and lubricated as needed.

| DESCRIPTION |
|--|
| VALVE, FLOW CONTROL, 5/32T ONE-TOUCH |
| FFTG TBG ADPTR EL 3/8T X 1/4 MNPT PFA |
| TEE 5/32IN.; 18MM X 2; 3MM (MIN); 10.4MM; 1.0MPA |
| 5/32 STRAIGHT UNION |
| ENTREPIX HCLU CORRUGATED TUBING CONV KIT |
| BELLOWS, HCLU, UP REV'D |
| METAL BAND FOR BELLOW |
| CYLINDER, MAIN LIFT CUP W/ADAPTER AND BRACKET |
| CYLINDER, SHORT CENTERING JAW |
| CYLINDER, LONG, PEDESTAL LIFT |
| PBT PUSH-TO-CONNECT TUBE FITTING W/ SEALANT |
| BEARING |
| FITTING KQ2 5/32 FITTING, UNION Y |
| JAW SEAL |
| SEAL SHFT LIF .50 ID X .688 OD |
| O-RING ID .239 CSD .070 EPDM 80 DURO |
| O-RING ID .426 CSD .070 EPDM 80 DURO |
| O-RING ID .864 CSD .070 EPDM 80 DURO |
| O-RING ID .926 CSD .070 EPDM 80 DURO |
| O-RING ID 1.049 CSD .070 EPDM 80 DURO |
| O-RING ID 2.239 CSD .070 EPDM 80 DURO |
| O-RING ID 3.487 CSD .103 EPDM 80 DURO |
| O-RING ID 12.975 CSD .210 EPDM 80 DURO |
| O-RING ID 8.237 CSD .103 VITON 75 DURO |
| PEDASTAL O-RING |

Quality Assurance

Following the rebuild, the HCLU is then connected to the Entrepix test fixture. The fixture with cycle the assembly through the normal load/unload operation for approximately 12 hours (4000+ cycles) to verify mechanical and electrical function all while checking for leaks. A test report is provided to the customer detailing results.



Entrepix HCLU Test Fixture





To Find Out More Or To Place An Order See Our Links Below.

To see more part details on the HCLU refurbishment service click the our video icon.



To email Entrepix parts or to get additional parts information click icon.



To explore, shop and download part information click icon.



To call Entrepix parts dial or click. icon

