

Procedure to turn off Tama300 facility before power blackout

2017 November 11th

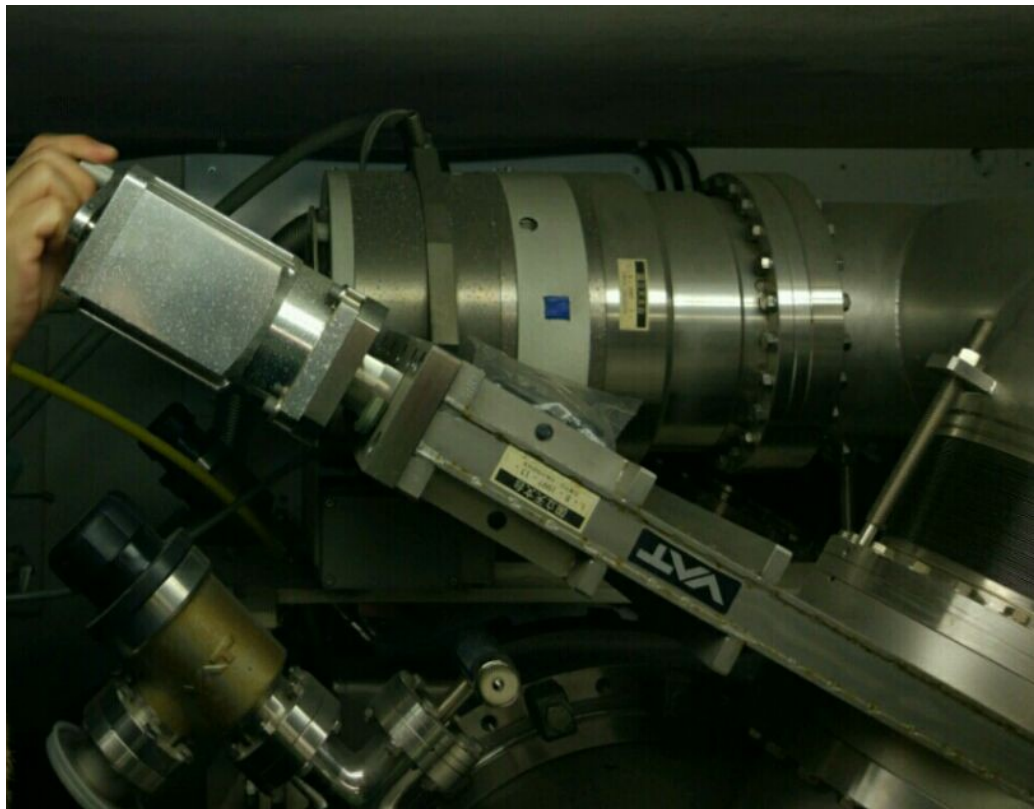
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Vacuum system

- For each arm there are 3 pumping stations, one at the beginning, one at the end and one in the middle. And a pumping station at the BS chamber.
- Each pump station is composed by a rotative pump and a turbomolecular pump.
- To switch off the pumps there is an order to follow.

Vacuum system

- Close the 2 gate valves in between the vacuum chamber and the turbo pump



Vacuum system

- Close the “L angle” valve in between the turbo pump and the rotative pump



Vacuum system

- Turn off the turbo molecular pump, the rotation frequency will slowly decrease to 0Hz (it takes about 10mins)



Vacuum system

- Turn off the rotative pump (R.P.)



- Meanwhile we wait for the turbo pump to slow down, we can go to close the valves of the other pumps

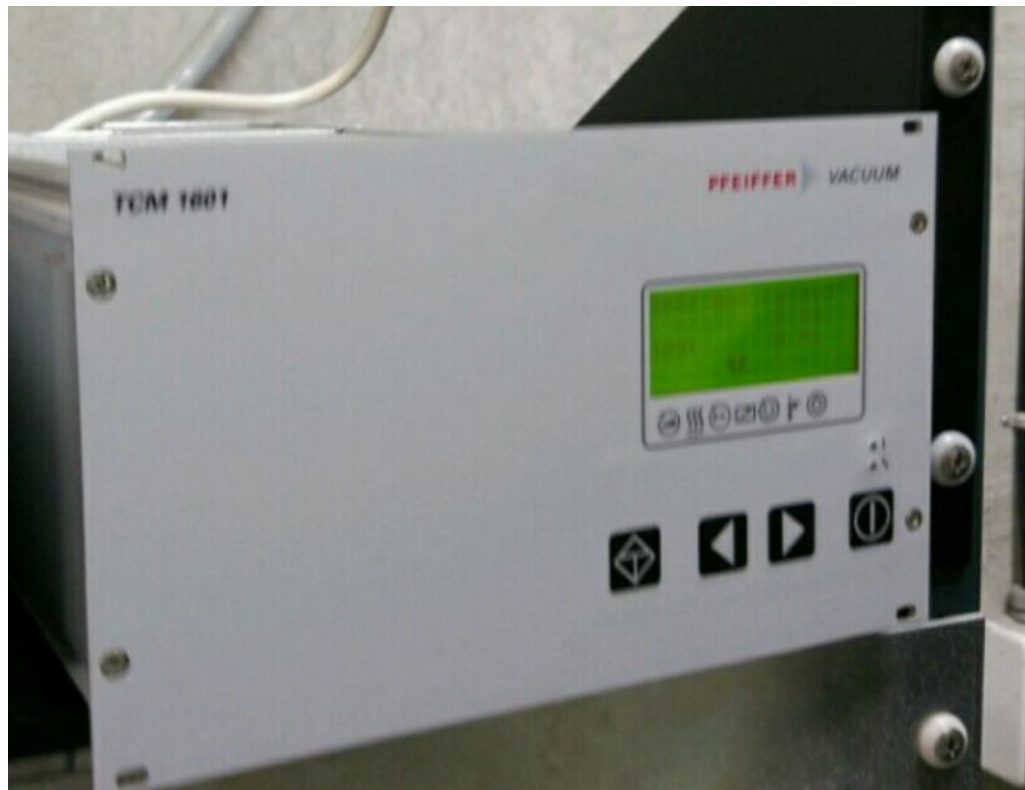
Vacuum system

- The switch for the BS rotative pump is in the electric panel close to the bottom of the stairs



Vacuum system

- When the turbo pump reaches 0Hz, switch off the power behind the controller



Air compressor

- Close the red key to separate the compressor from the rest of the pipe.
- Switch off the compressor

