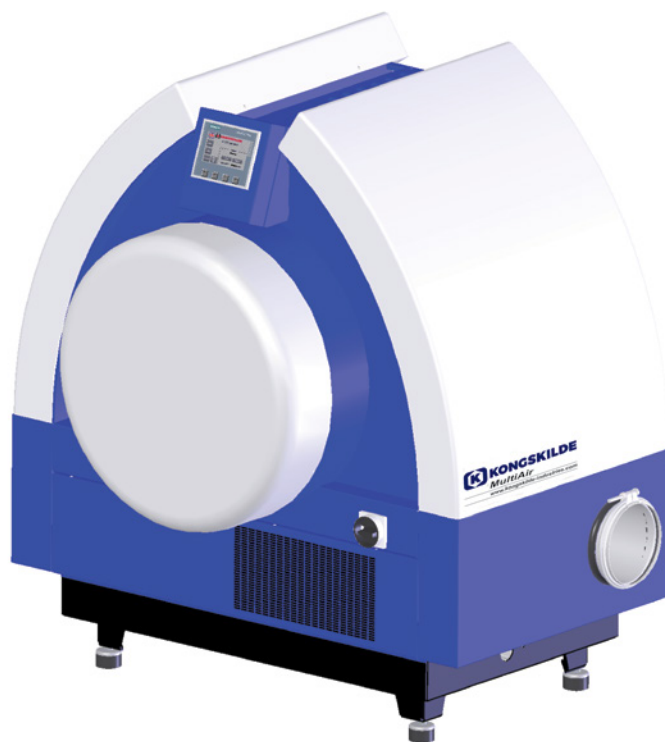
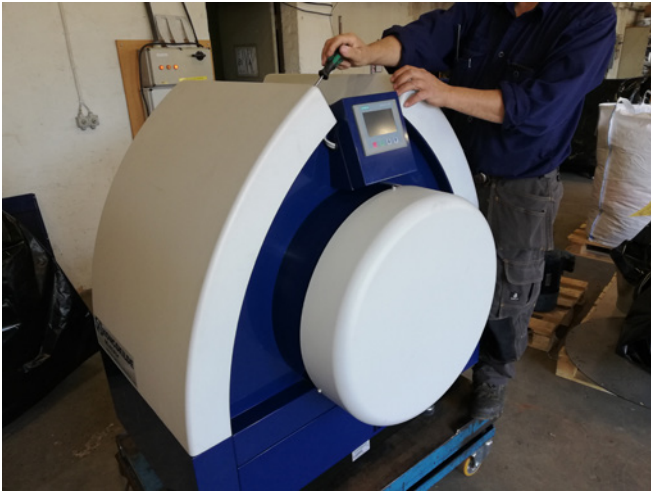


MultiAir FC 2000 series

Replacement of AC drive

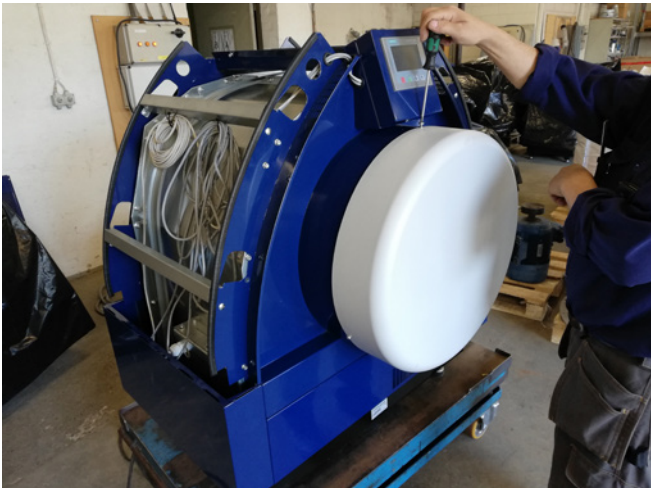




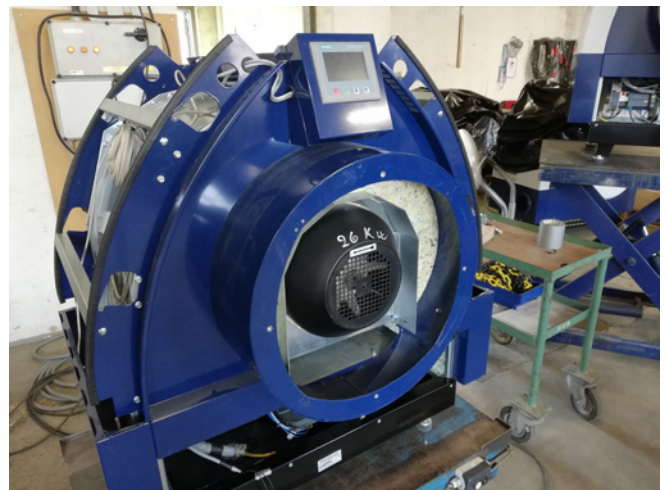
1 - disconnect power to the blower, and ensure that power can not be restored until complete assembly of the blower. Remove both covers by removing the upper 4 screws, and put them aside



4 - remove the blue lower panel by removing 4 screws



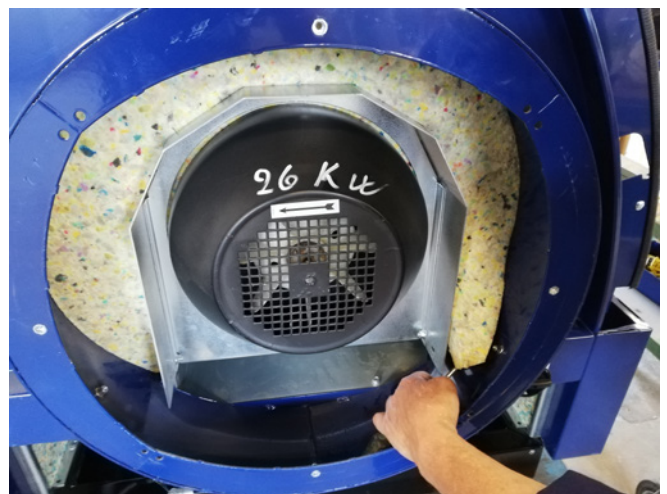
2 - remove the grey hood by removing 3 screws, and put the hood aside



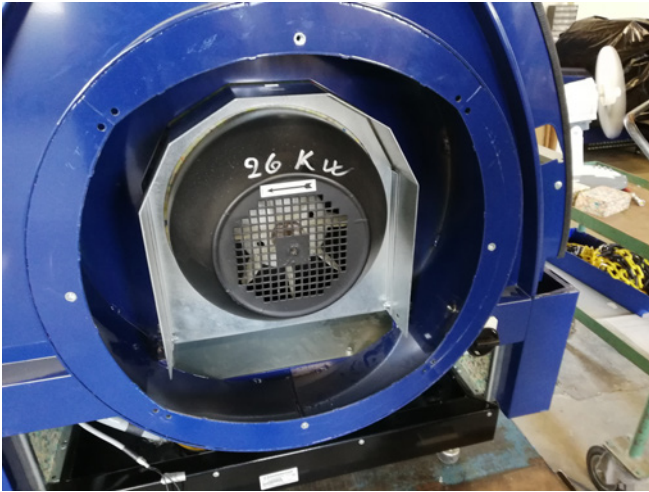
5 - tilt the panel, lift it away, and put it aside



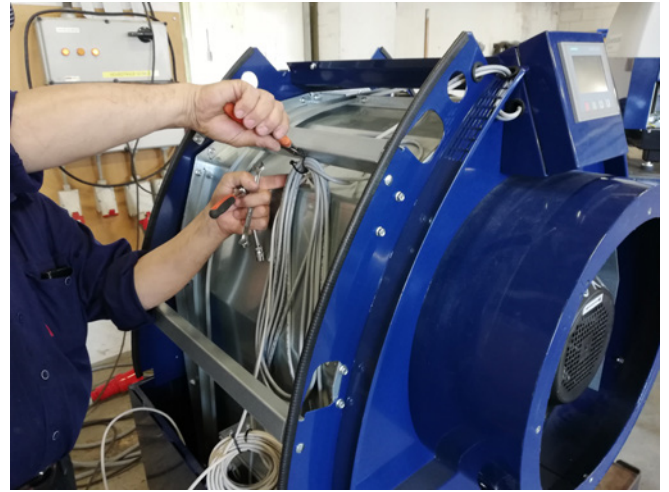
3 - remove the motor cover by removing 4 screws, and put the cover aside



6 - loosen the insulation foam at the bottom



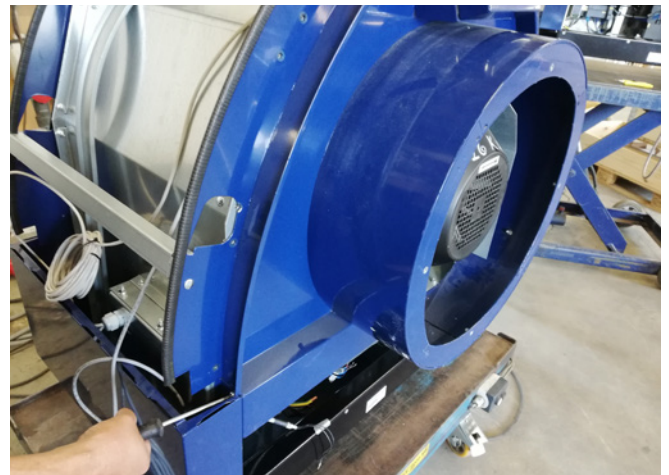
7 - pull out the foam, and lay aside



10 - cut the 2 cable binders holding the operator panel's cables



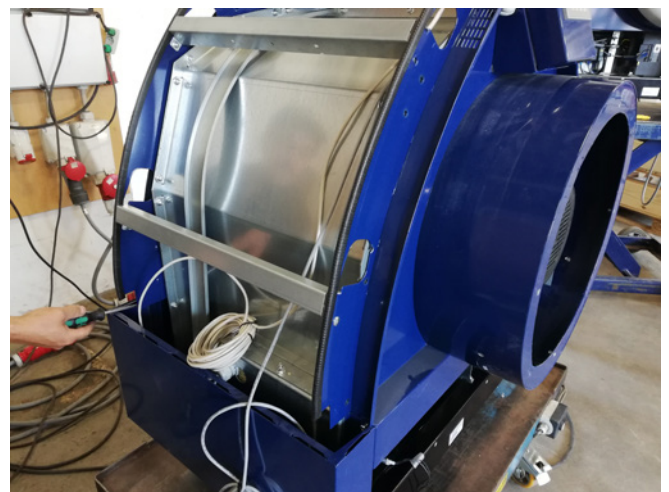
8 - loosen 2 nuts, 1 in each side



11 - loosen the 2 upper screws holding the blue side panel, 1 in front



9 - remove 4 screws, 2 in each side



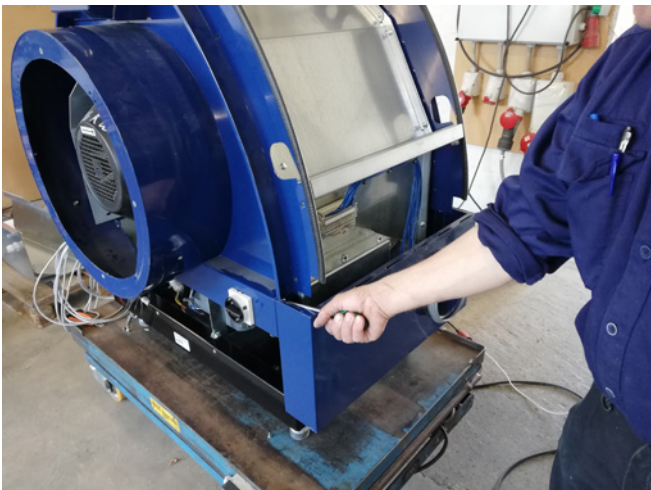
12 - and 1 in back



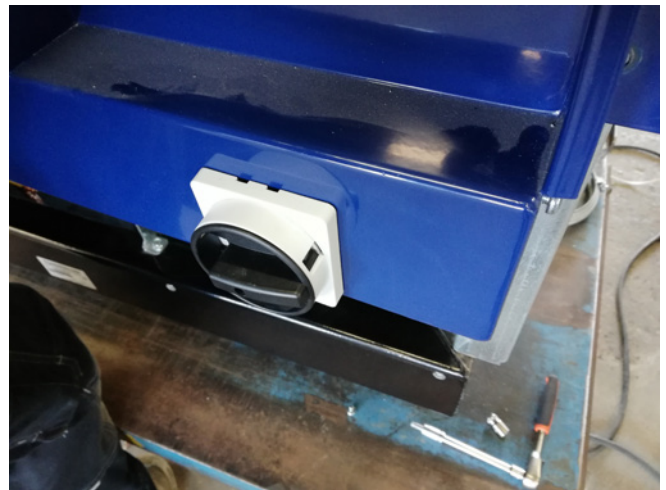
13 - also remove the 3 lower screws holding the blue side panel, and put the panel aside



16 - loosen the blue back console by removing the 2 screws



14 - remove the upper and lower screws holding the other blue side panel, and put aside the panel



17 - ensure that the main switch is in OFF position



15 - the operator panel is detached from the blowers end plate, and secured as shown with a cable tie



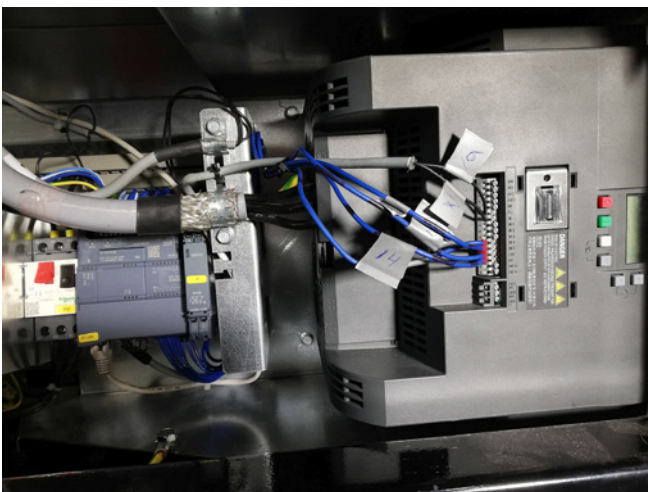
18 - grab the blowers end plate with both hands as shown, and lift slightly upward, and remove



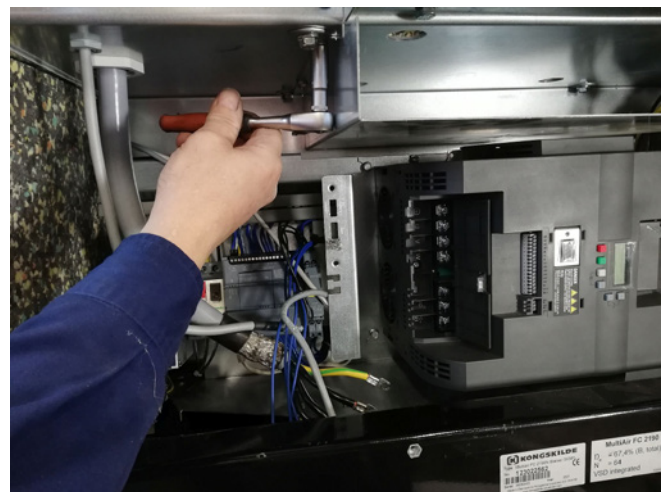
19 - put the blowers end plate aside, ensuring that the cables to the operators panel are not damaged



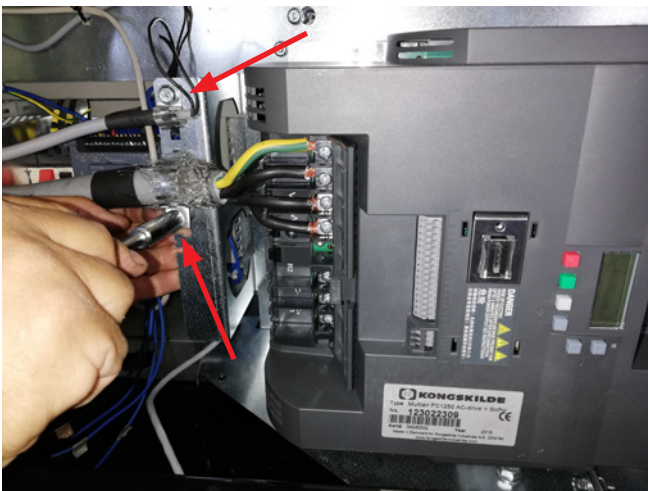
22 - loosen the vertical bracket by removing 2 screws , 1 in top and 1 at bottom, and pull out the bracket



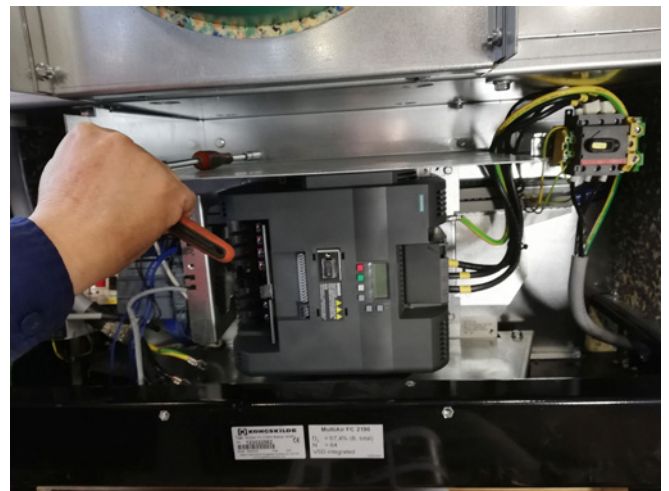
20 - mark the AC drives control wires with tape and pen, and remove them by depressing the release buttons with a straight edge screwdriver



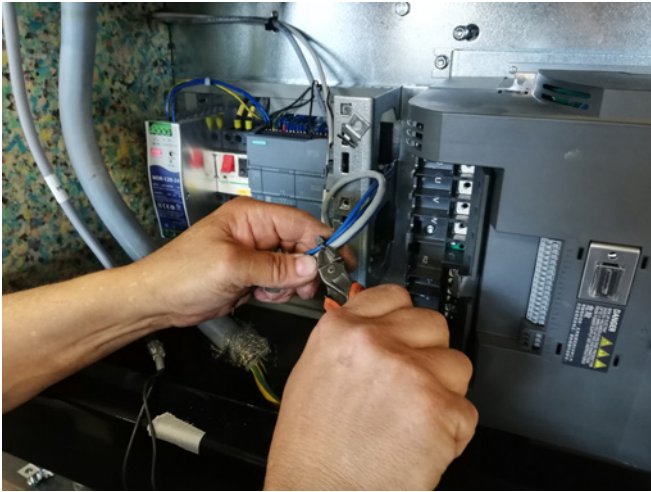
23 - loosen the horizontal bracket by removing the 2 screws indicated, and



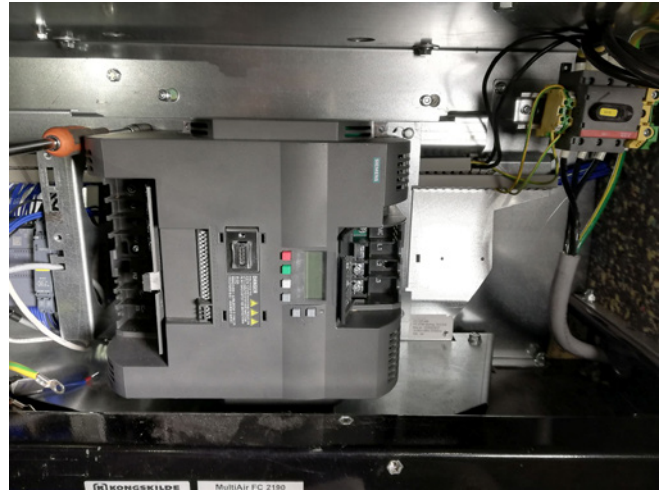
21 - remove both screws for the cable reliefs, and loosen the contact screws for earth and L1, L2 and L3. Put the cables aside



24 - loosen the 2 upper screws and pull out the horizontal bracket



25 - cut the cable tie as shown



28 - remove the 2 upper screws holding the AC drive console



26 - remove the contact screws for the supply cables from the main switch



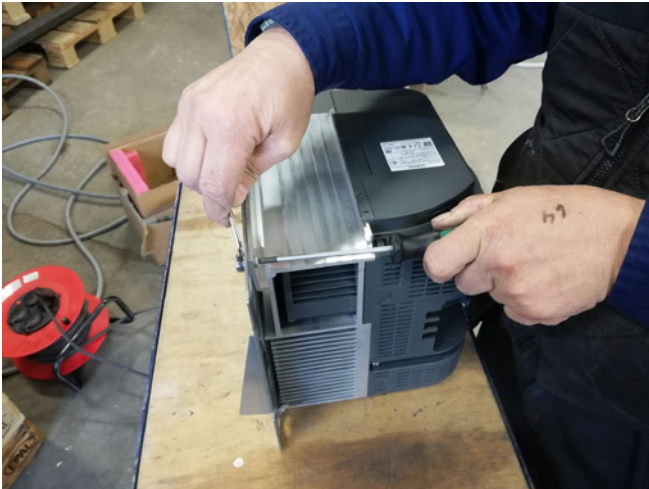
29 - and the 2 lower screws



27 - and secure the cables with a cable tie as shown, away from the AC drive



30 - push the AC drive with console to the right, tilt as indicated, and lift it out



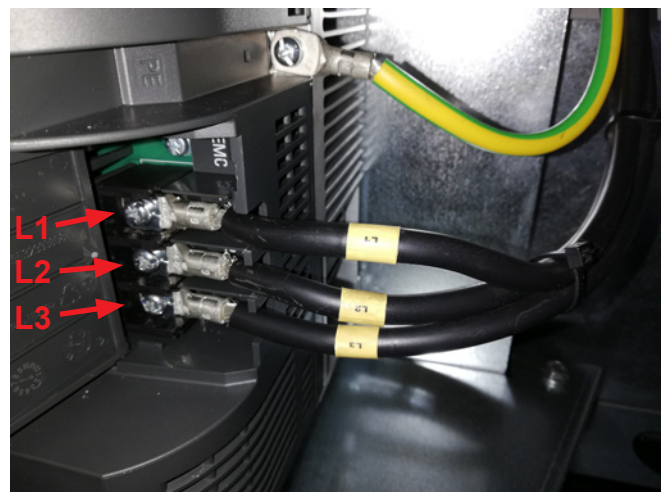
31 - replace the AC drive on the back console



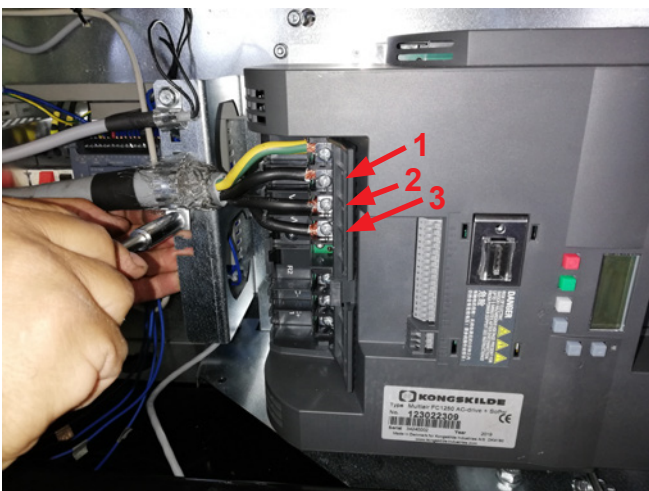
34 - reconnect the AC drive control wires according to the tape markings, by depressing the release buttons with a straight edge screwdriver. Refit all cable ties.



32 - refit the AC drive with the 4 screws



35 - reconnect the cables from the main switch as shown, including the earth cable, and close the cover



33 - reconnect the earth cable and cables L1, L2 and L3 (see marking on the cable insulation), and close the cover. Refit both cable reliefs



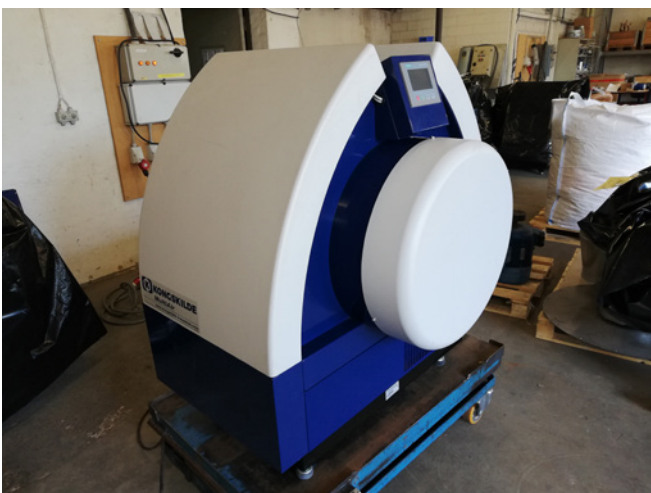
36 - refit the horizontal bracket, and tighten the screws



37 - refit the vertical bracket, and tighten the screws



38 - refit the end plate, assuring that no cables are damaged, with the main switch in position OFF



39 - refit the back console, the operator panel's cables, the side panel, the insulation foam, the lower panel, the motor cover, the grey hood and finally the grey covers.

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