

Vacuum adjustment

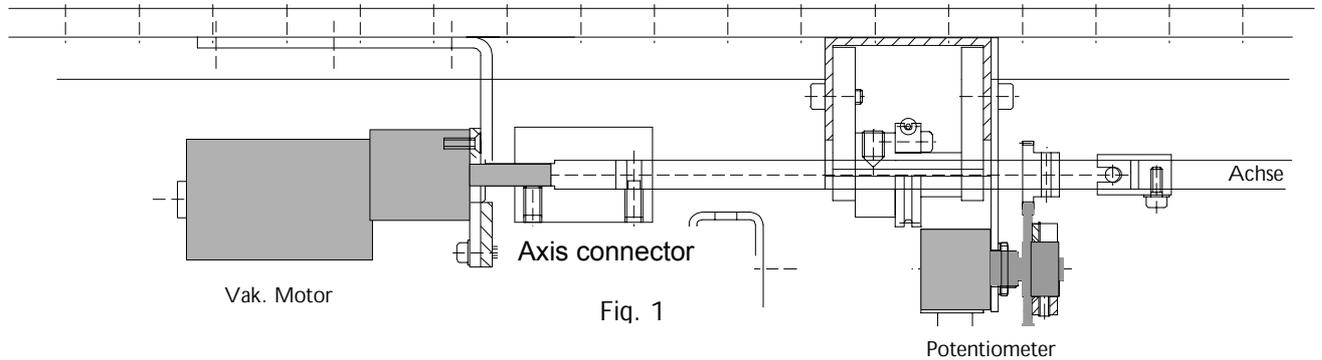


Fig. 1

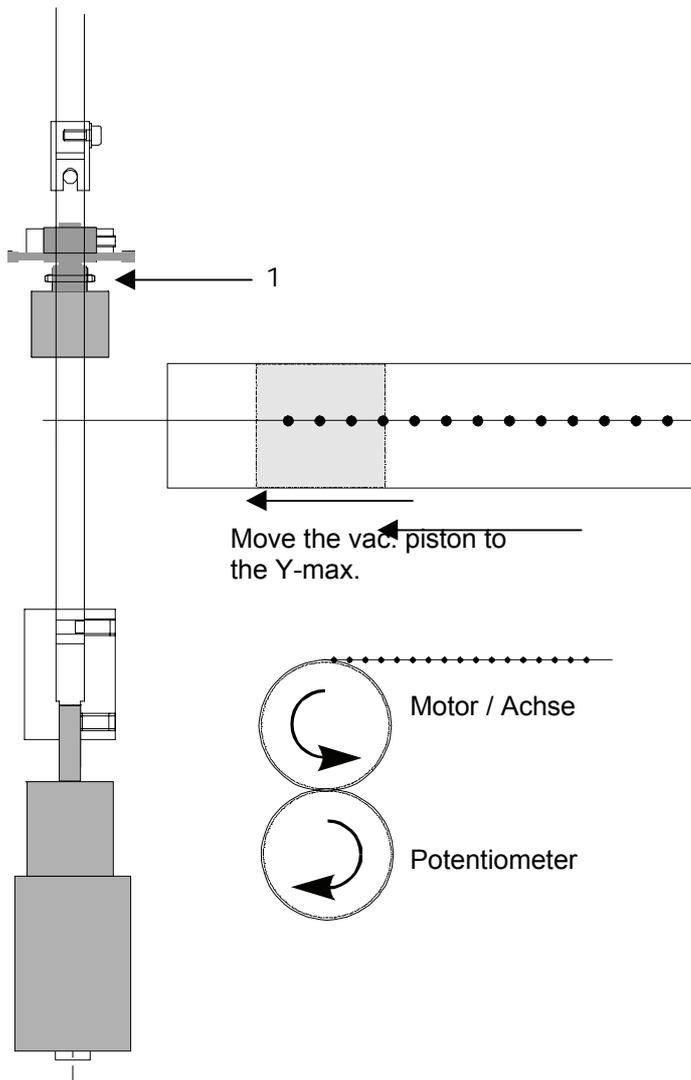


Fig. 2

If it is necessary to change the vac. adjustment, the vac. potentiometer has to be re initialized.

How to do it:

The vak. Motor and potentiometer are build in and connectet.

Loosen the screws of the coupling (connection between the motor and shaft), so that you can turn it free.

Open the nut (Fig. 2/1) on the potentiometer, so that the plastic gear can be moved without a resistance.

Move the vac. piston by pulling on the ball-rope to the Y-max. position. Make sure that both (M1600 only) vac. pistons are on the same position. The vacuum is now completely open.

If you look **from the front** towards the vac. adustment:

Turn the potentiometer carefully clockwise up to the end. Turn it 1 revolution back (counterclockwise).

Engage the pinions of the shaft and the potentiometer. Move it up without turning disadjusting the pinion. Fix the potentiometer and the coupling between shaft and motor.

Make sure that the fixing screw meet the flat area of the motor shaft.

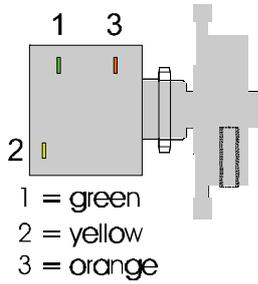
Tight it carefully, because the coupling is made of plastic. Do not damage the thread.

Important:

The potentiometer must not (never) be turned from the motor in ist end limit. The power of the motor would destroy the potentiometer.

The potentiometer can be turned 9 times (from the start to the end). When it is build in, we need 7 to 8 revolutions. Therefore it is very important that the vac. piston is at the very max. pos. and the potentiometer is turned to the max – minus 1 revolution !!!

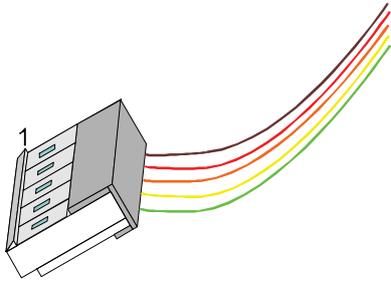
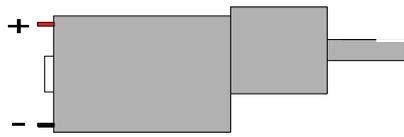
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Initialize:

After the exchange of the potentiometer the vacuum has to be reinitialized. Usually the software recognize this and when you do the first time Vac. 3 the plotter will show on the display „initialize vacuum“.

If you recognize that the vac. is not cooresponding to the actual head position, the go into the service mode and choose the testfunction 57 (reinit. Vac.).



Attention:

When you put back in the table plate, make sure that the electrical cable do not cross the mechanical cables.

Stecker zu C-Board – V-Mot.

Stecker Pin	Signal	Farbe	Endpunkt
1	Motor +	Brown	Motor +
2	Motor -	Red	Motor -
3	GND	Orange	Pot. 3
4	Pos.	Yellow	Pot. 2
5	+5V	green	Pot. 1