



2. GENERAL CHECK OF BASIC FUNCTIONS

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- 2. General check of basic functions
- 2.1. Check or adjustment of mains voltage
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\* CHK ALIGNMENT of POINTS  
ELECTRICAL STOPPING UNIT  
BEFORE OPERATING (SEE PAGE 26)



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2.1. Check or adjustment of mains voltage

Above the central connecting board in the machine console you will find three mains voltage selector switches. Two of them are accessible from the right-hand side of the power supply unit, fig. 2.1.1., the third is situated to the right side of the power supply at the cover plate of the video power supply. Fig. 2.1.2.

The position of these voltage selectors have to be checked, if necessary they must be switched to the voltage at which the machine shall be operated. Furthermore one has to check whether the right fuse size is installed in the fuse holders.



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2.2. First operation check

Will be done without cutterhead suspension. Check all PC-boards and connectors for firm fitting, connect the machine to the mains and switch it on. The following push buttons and signal lamps shall now be illuminated:

in the machine console:

two fuse pilot lamps and a green LED, which indicates the presence of the 15 V general supply voltage of the electronics.

at the operating terminal:

the push buttons STOP

CUTTER OFF

RPM 33 1/3

DISK DIA 30

END DIA 106 (LP)

The also illuminated LED's at the programming panel and the digital read outs must not be noticed now. But if the push button DISK DIA 30 flashes in a 2 Hz sequence, this may be stopped by switching off the toggle switch TEST (PITCH AND DEPTH CONTROL). It's red LED will then cease flashing, too.

For further check press the push button RPM 45, it shall then be illuminated and with it the push buttons DISK DIA and END DIA 98 (Single). At the same time the pilot lamps in the upper row of push buttons (33 1/3 RPM) must extinguish.



.... 2.2

The push button RPM HALF SPEED will be illuminated after pressing in addition to the selected speed and extinguish after pressing a second time.

The push button DISK DIA 25<sup>10"</sup> shall be illuminated after pressing but at the same time the DISK DIA 30<sup>12"</sup> or 17<sup>7"</sup> push button pressed before shall extinguish. If one wants to reset the other diameter, this can be done either by pressing the respective DISK DIA push button or the related speed push button.

The turntable drive function shall be checked by pressing the push button turntable. It shall flash during the starting periode of the turntable and will be continuously illuminated as soon as the nominal turntable speed is reached. A second pressing of this push button switches the turntable drive off.

If one breakes the turntable to complete standstill by hand as usual at synchronous motor driven turntables, this can also be done here without any danger for the DC-drive. The turntable will stand still and the push button TURNTABLE will flash to indicate the overload operation of the electronics. The push button TURNTABLE has then to be pressed twice. One time to end the overload operation and the second time to start the turntable again.

The pitch drive will be activated when pressing the push button START. The push button is then illuminated and push button STOP extinguishes. When turning



.... 2.2 the potentiometers LAND and DEPTH one should observe readings at the corresponding meters, which make sense. The summe of both shall be indicated at the main PITCH meter. In addition one should observe the spindle movement by the turns of the knurled hand-wheel at the right-hand side of the spindle. The fast carriage movement has to be checked by turning the rotator switch FAST FORWARD - FAST BACKWARD. Fig. 2.2.2. There is an electronic automatic stop at both ends of the carriage bed. Check this stop by slowly reaching this positions in both directions.

Attention: If the stopping positions are disaligned during transportation, a crash against the mechanical stoppers would damage the feed nut. To align the electrical stopping points see chapt. 6.3.

The first test will be finalized by checking the vacuum facilities. Position the diameter switch in the center of the vacuum chuck turntable to 14", fig. 2.2.1. Put a 14" lacquer disk onto the turntable and press the push button VACUUM, it's pilot lamp shall then be illuminated and turn the vacuum control knob, fig. 2.2.3. Close the open hole at the chip jar, then you must obtain a full scale reaching on the vacuum meter.