ControlBars

(1): Divide
(2): Subtract
(3): Add
(4): Multiply & Subtract from current Reg II contents
(5): Shift Left
(6): Shift Right
(7): Multiply & subtract from current Reg II contents
(8): Keeps rotation direction of the main shaft (X+ or X-)

Solenoids

(M1): Digit input in Reg III
(M2): Activate Clear Reg I, II, III and back transfer
(M3): Enable keys

Function example. When the "+"key is pushed:

1. *Rod (3) turns a bit to the right (viewed from the bottom like on this photo)*
2. *The control disc belonging to (3) starts turning. Reg-I starts turning too.*
3. *At the end of the rotation of Reg-I the control disc activates the Clear Reg-I function which clears Reg-I and moves it back to its starting position in the right.   To activate the Clear function the control disc pulls a flat rod to the left. The rod is connected to the Clear-handle which is located in the right-bottom. If the machine is set back on its feet activation of the Clear function can be checked. It shifts a toothed wheel mounted on the Reg-I axis from rotating Reg-I to driving lateral movement of Reg-I.*

Note related to division:

The back of the machine contains a 0-detection in the top-left. It comes up when 0 is detected.