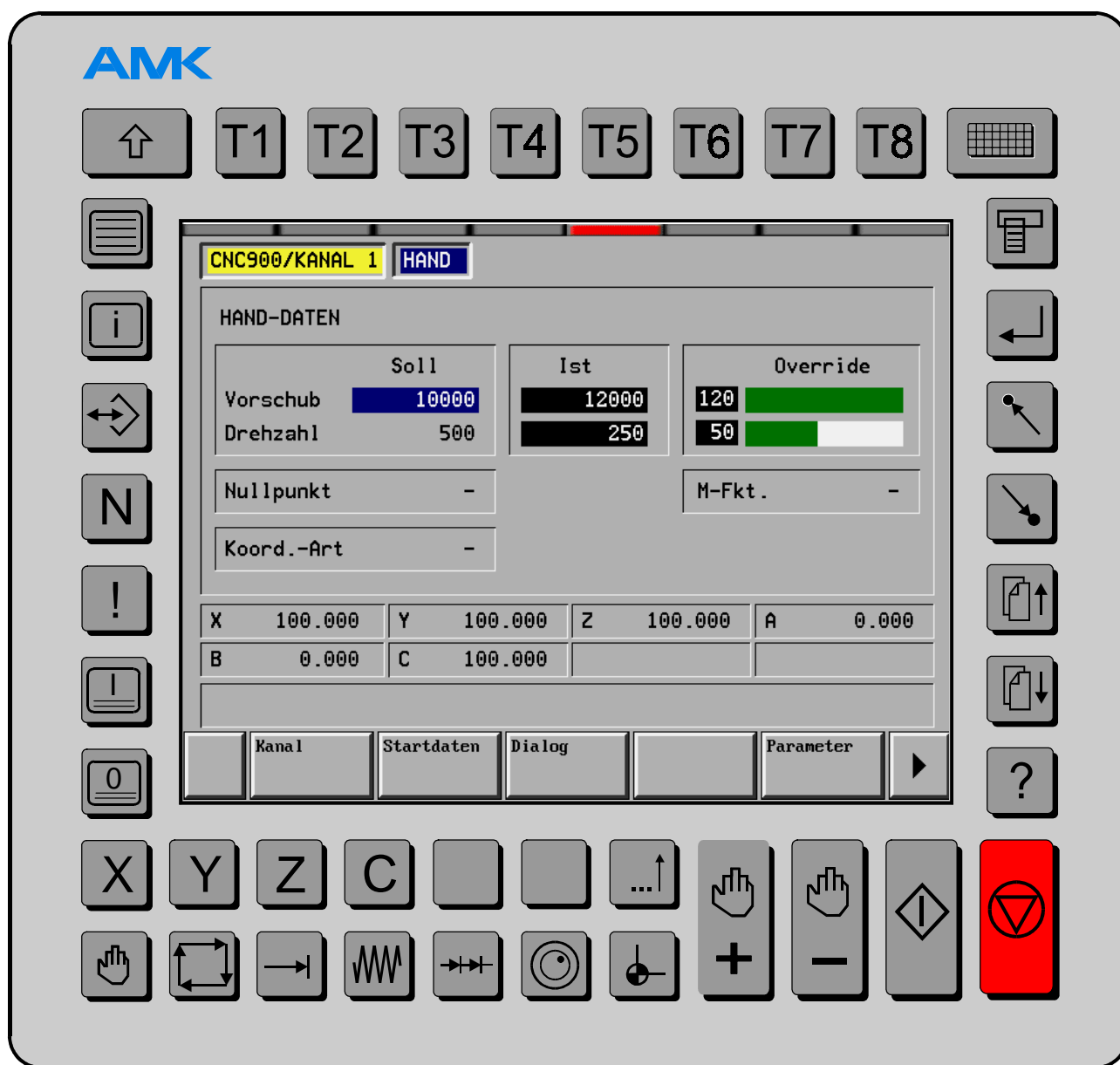


2.	Mounting and connection	
2.1	Compact control CNC 903 / CNC 905	2 - 2
2.1.1	Mass and weight	2 - 2
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2.1 Compact control CNC 903 / CNC 905

2.1.1 Mass and weight

Dimensions	(width x height)	328mm x 310mm
max. depth of the rear edge of the front plate to the rear		55mm
Strength of the front plate	approx.	4mm
Weight	approx.	2kg

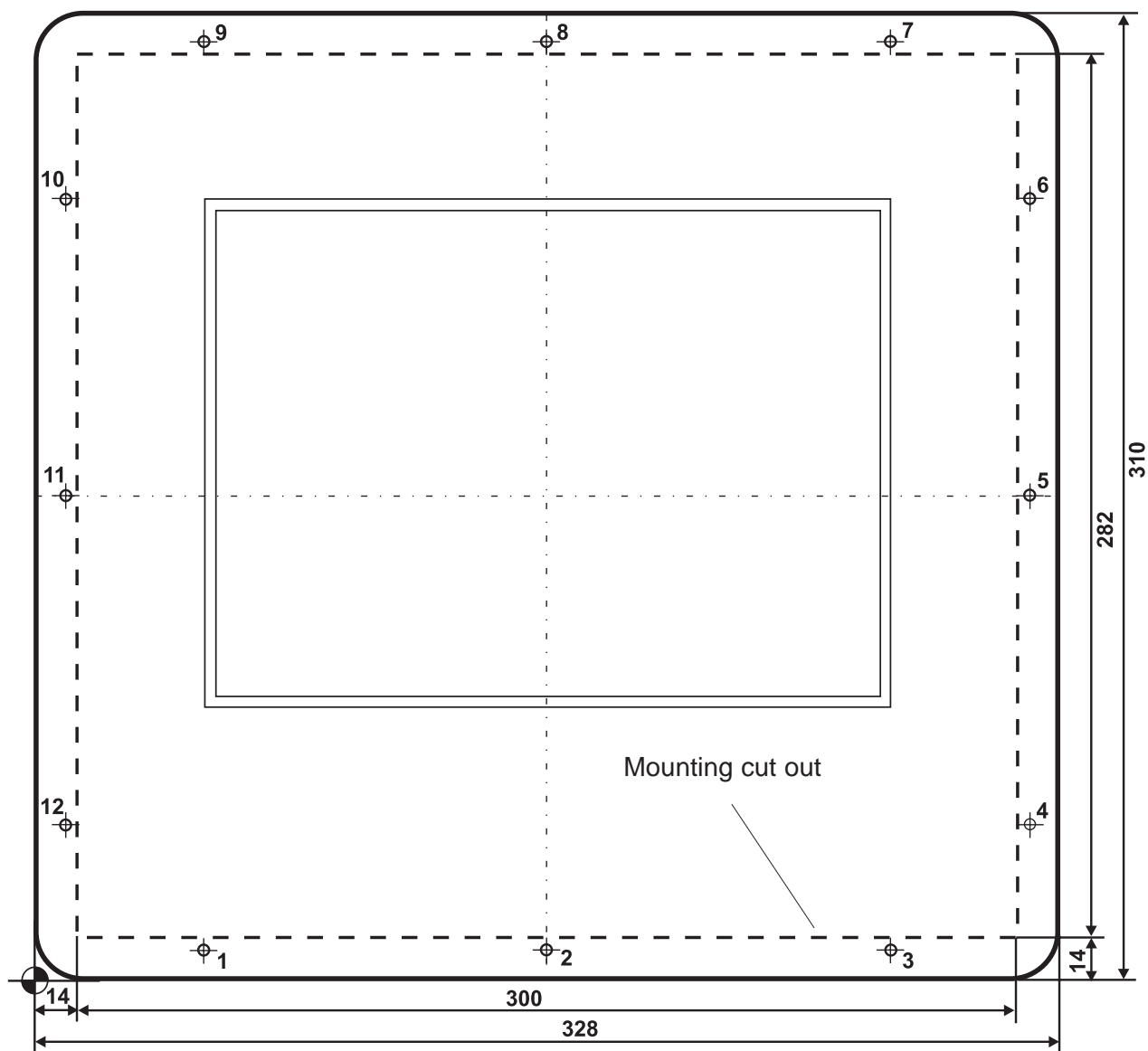


2.1.2 Mounting cut out and fixing

Mounting cut out 300mm x 282mm (width x height).

Fixing with 12 threaded bolts M4 x 8, grounding rear side M4

No.	X	Y	Nr.	X	Y
1	54,0	10,0	7	274,0	300,0
2	164,0	10,0	8	164,0	300,0
3	274,0	10,0	9	54,0	300,0
4	318,0	50,0	10	10,0	250,0
5	318,0	155,0	11	10,0	155,0
6	318,0	250,0	12	10,0	50,0

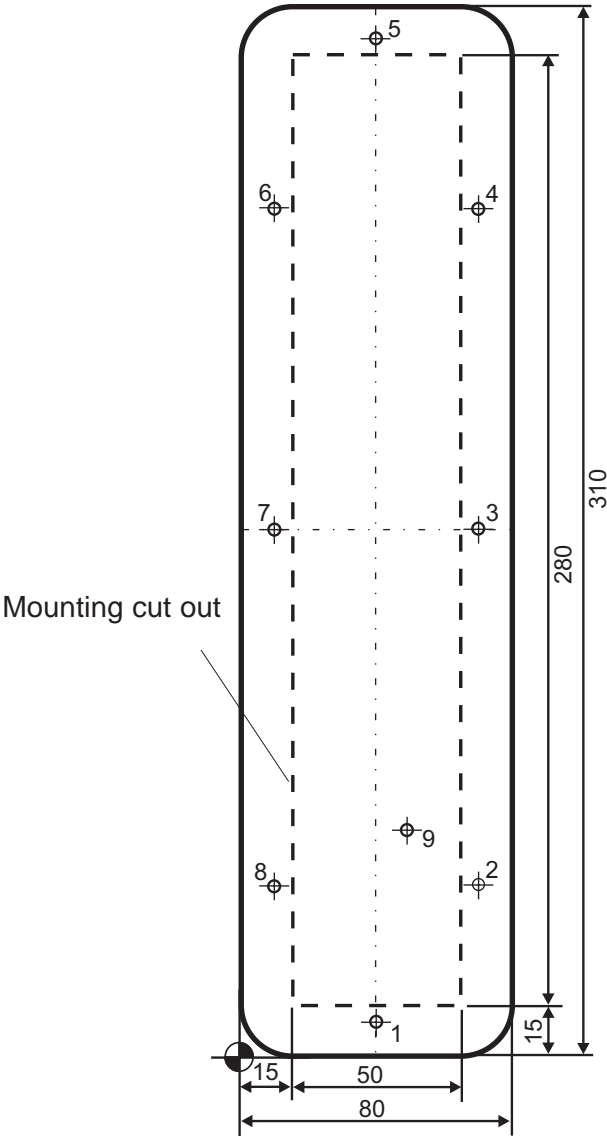
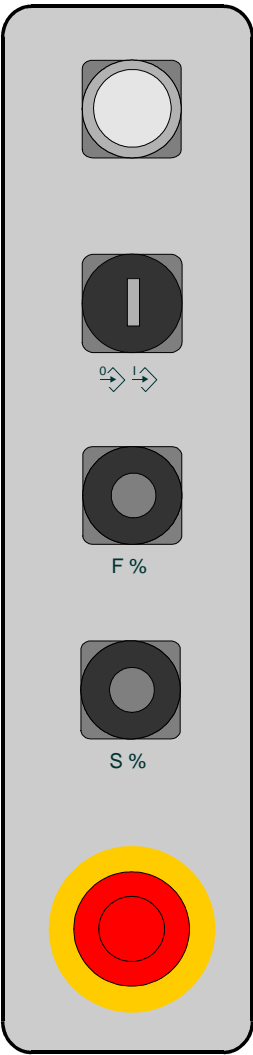


2.2.2 Mounting cut out and fixing machine operating panel

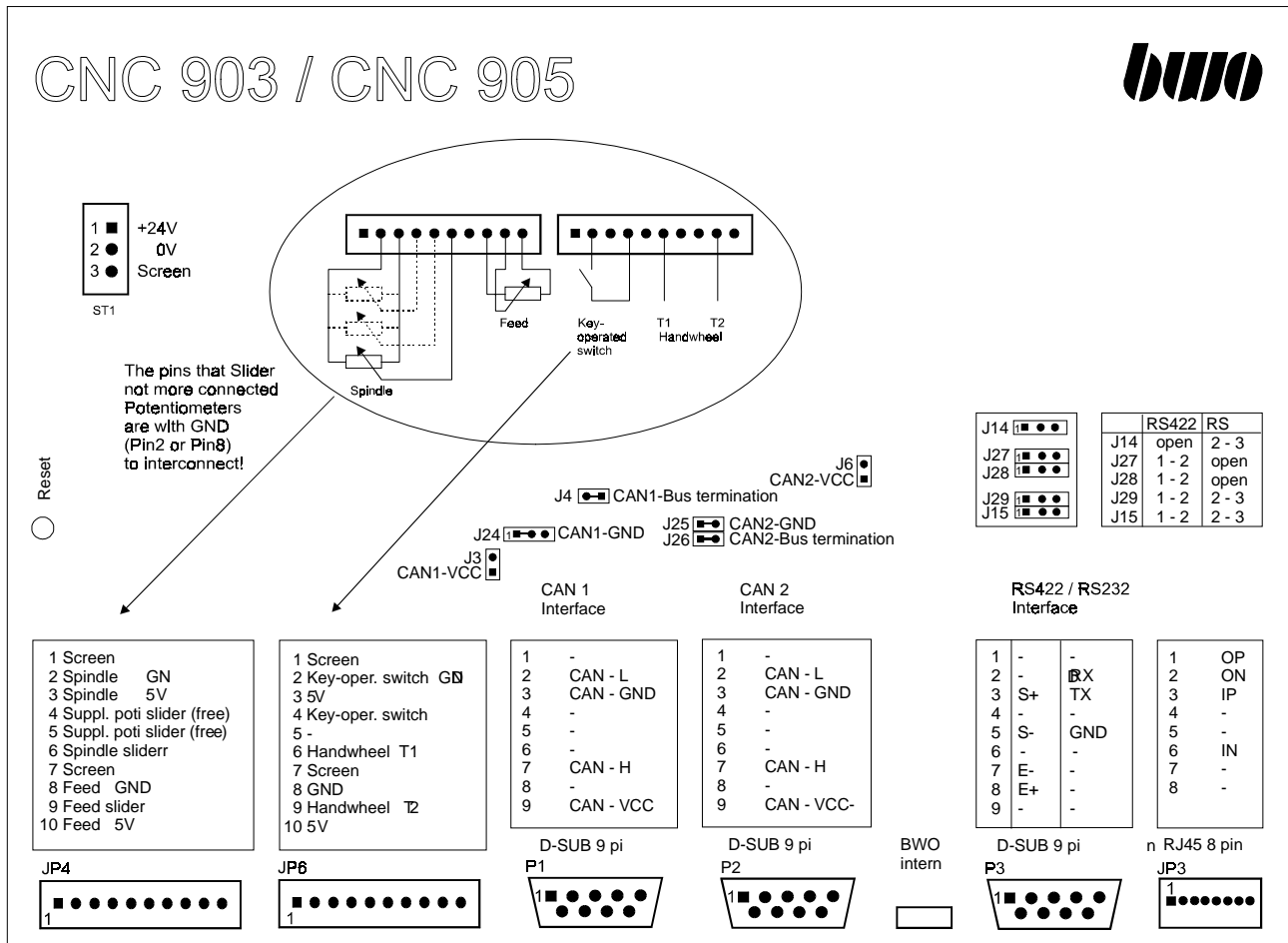
Mounting cut out 50mm x 280mm (width x height).

Fixing with 12 threaded bolts M4 x 8, grounding threaded bolt 9

Nr.	X	Y	Nr.	X	Y
1	40,0	10,0	5	40,0	300,0
2	70,0	50,0	6	10,0	250,0
3	70,0	155,0	7	10,0	155,0
4	70,0	250,0	8	10,0	50,0



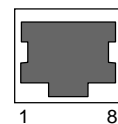
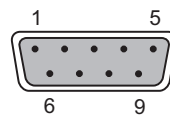
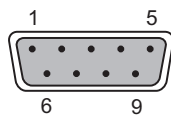
2.2.3 Plug contacts



JP4 / JP6	10 pin terminal strip	external potentiometers and key-operated switches		
P1 / P2	9 pin D-SUB pin-type plug	CAN 1 / CAN 2 interface		
P3	9 pin D-SUB pin-type plug	RS422 or RS232 interface		
J14, J15 and J27, J28, J29	Selection of Interface RS422 preset	RS422	J14 J15, J27, J28, J29	open bridge1 - 2
		RS232	J27, 28 J14, J15, J29	offen Brückr 2 - 3
JP3	8 pin socket	connection with host by RJ45		

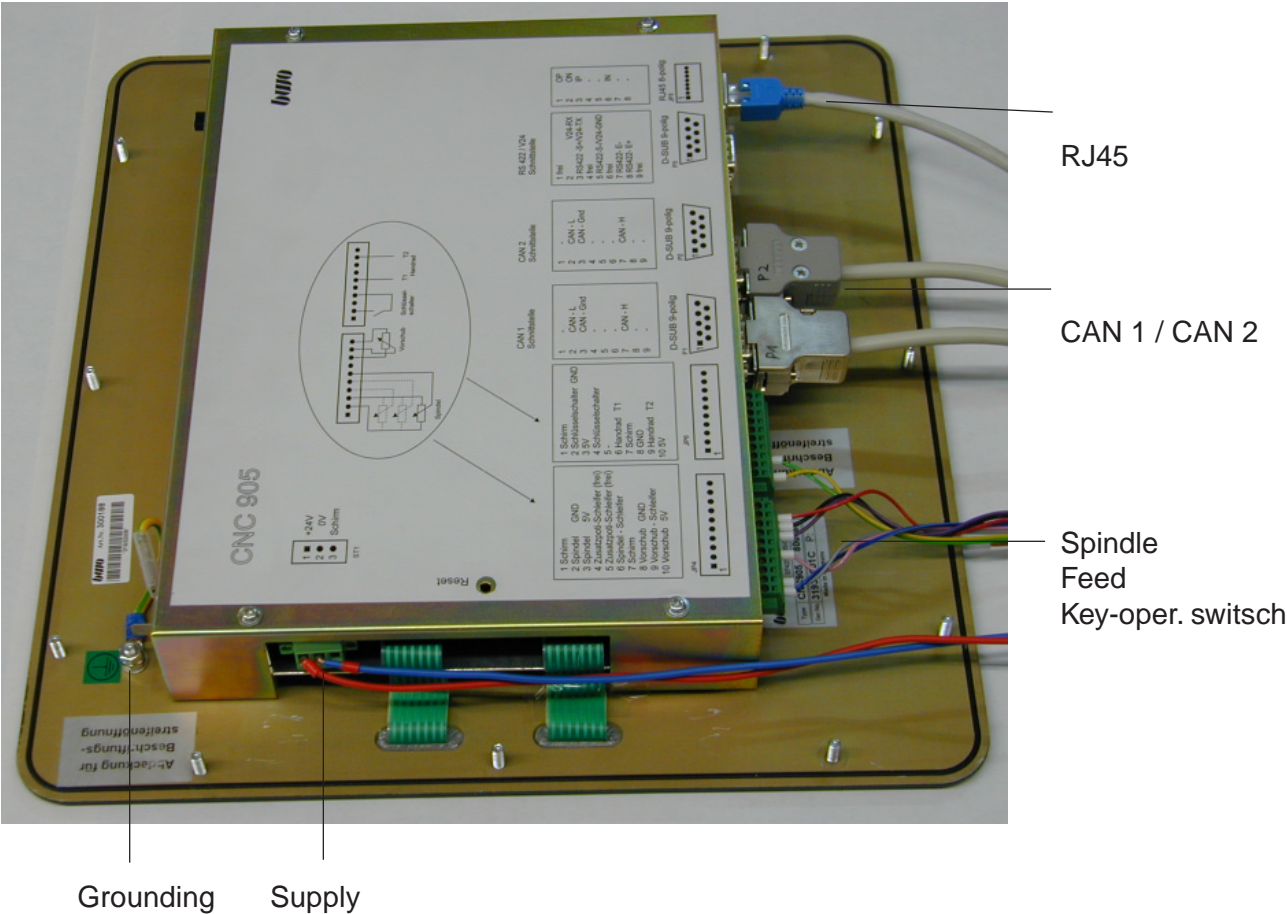
2.2.3 Plug contacts

Power supply		CAN interface CAN 1 / CAN 2		RS422 / RS232 interface		TCP/IP Host
3 pin plug ST1		9 pin D-SUB pin-type plug P1 / P2		9 pin D-SUB pin-type plug P3 RS422	RS232	8 pin RJ45 JP3 EtherNet (socket)
1	+24V	1	-	1	-	1 OP
2	0V	2	CAN - L	2	-	2 ON
3	screen	3	CAN - GND	3	S+	3 IP
		4	-	4	-	4 -
		5	-	5	S-	5 -
		6	-	6	-	6 IN
		7	CAN - H	7	E-	7 -
		8	-	8	E+	8 -
		9	CAN - VCC	9	-	



	10 pin terminal strip JP4	10 pin terminal strip JP6	
1	Screen	Screen	
2	Spindle GND	key-operated switch GND	
3	Spindle 5V	5V	
4	Suppl. poti slider (free)	key-operated switch	
5	Suppl. poti slider (free)	-	
6	Spindle slider	Handwheel T1	
7	Screen	Screen	
8	Feed GND	GND	
9	Feed slider	Handwheel T2	
10	Feed 5V	5V	

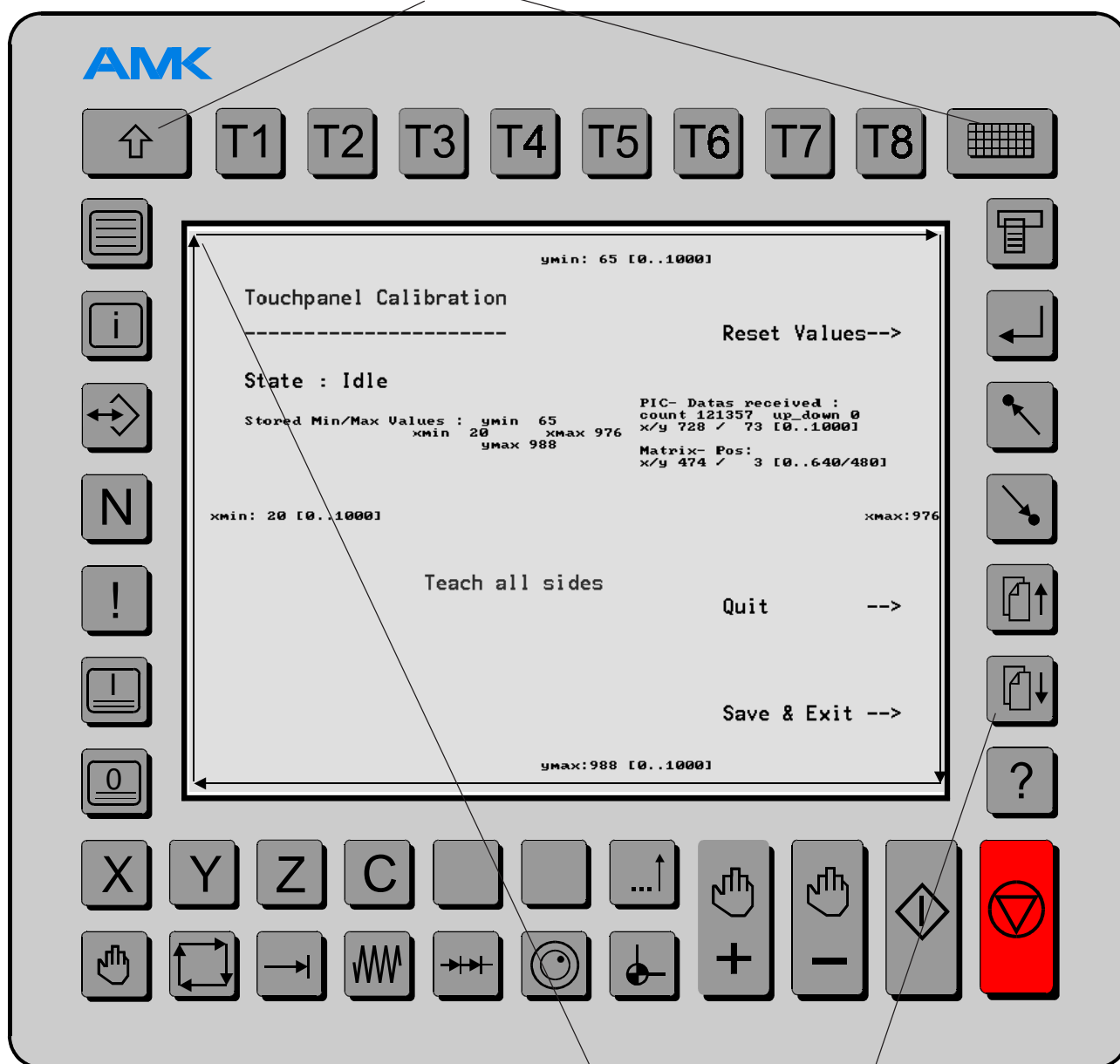
2.2.4 Connections



2.3 Touch-Screen calibration

The Touch screen is calibrated in the factory before the distribution. Being after some time malfunctions occur, can be repeated the calibration.

For calibrating the two keys simultaneous press. Then this picture appears.



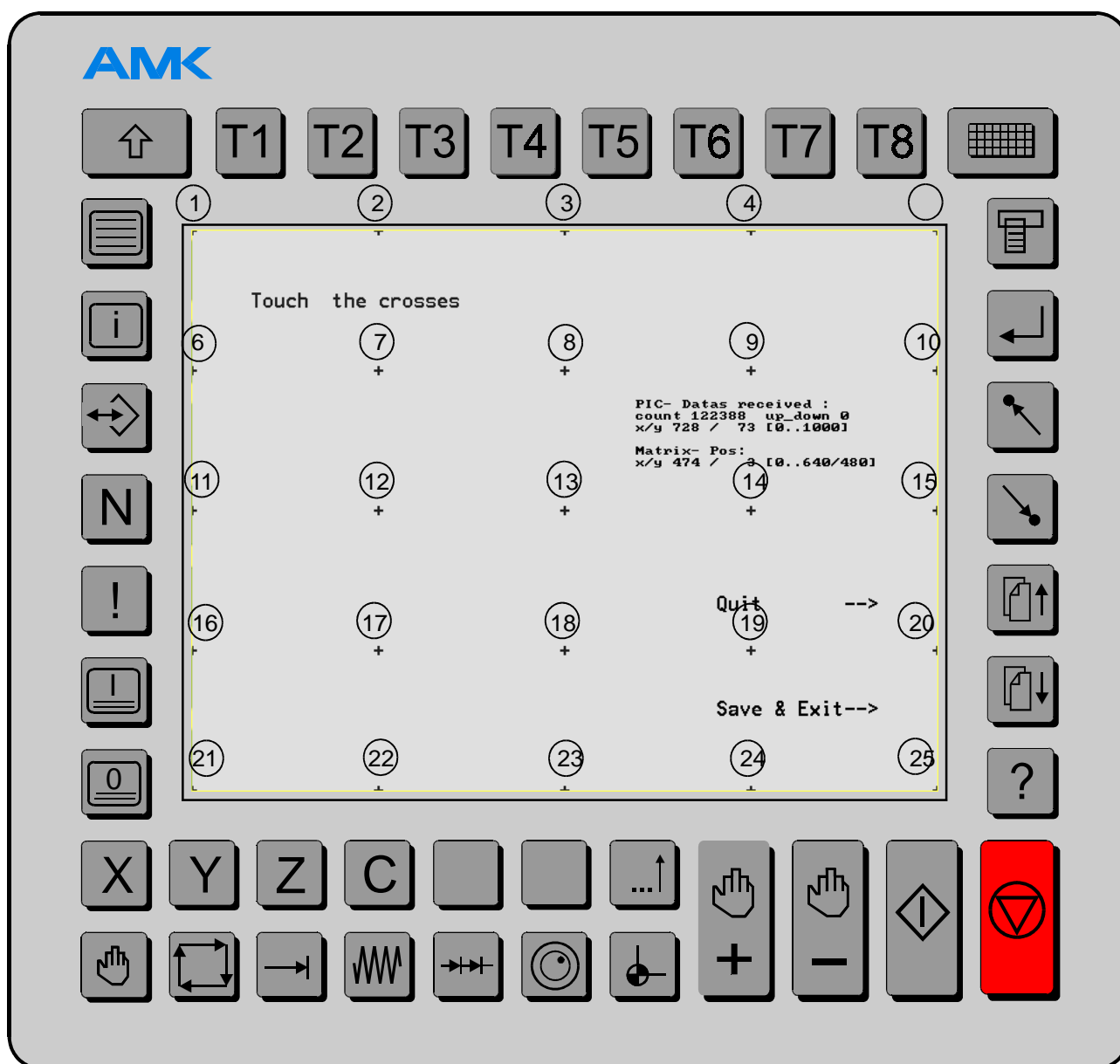
Touch screen area (Xmin - Xmax / Ymin - Ymax) determine:
In addition with a pointed soft item from on the left of above
close at the edge in direction of arrow around the display drive.

With key 'Save & Exit' the next picture appears.

2.3 Touch-Screen calibration

In this picture the **calibration points** appear. The total area actual into 16 subranges divided. The markings (crosses) of the subranges with a pointed soft item touched lightly in the order

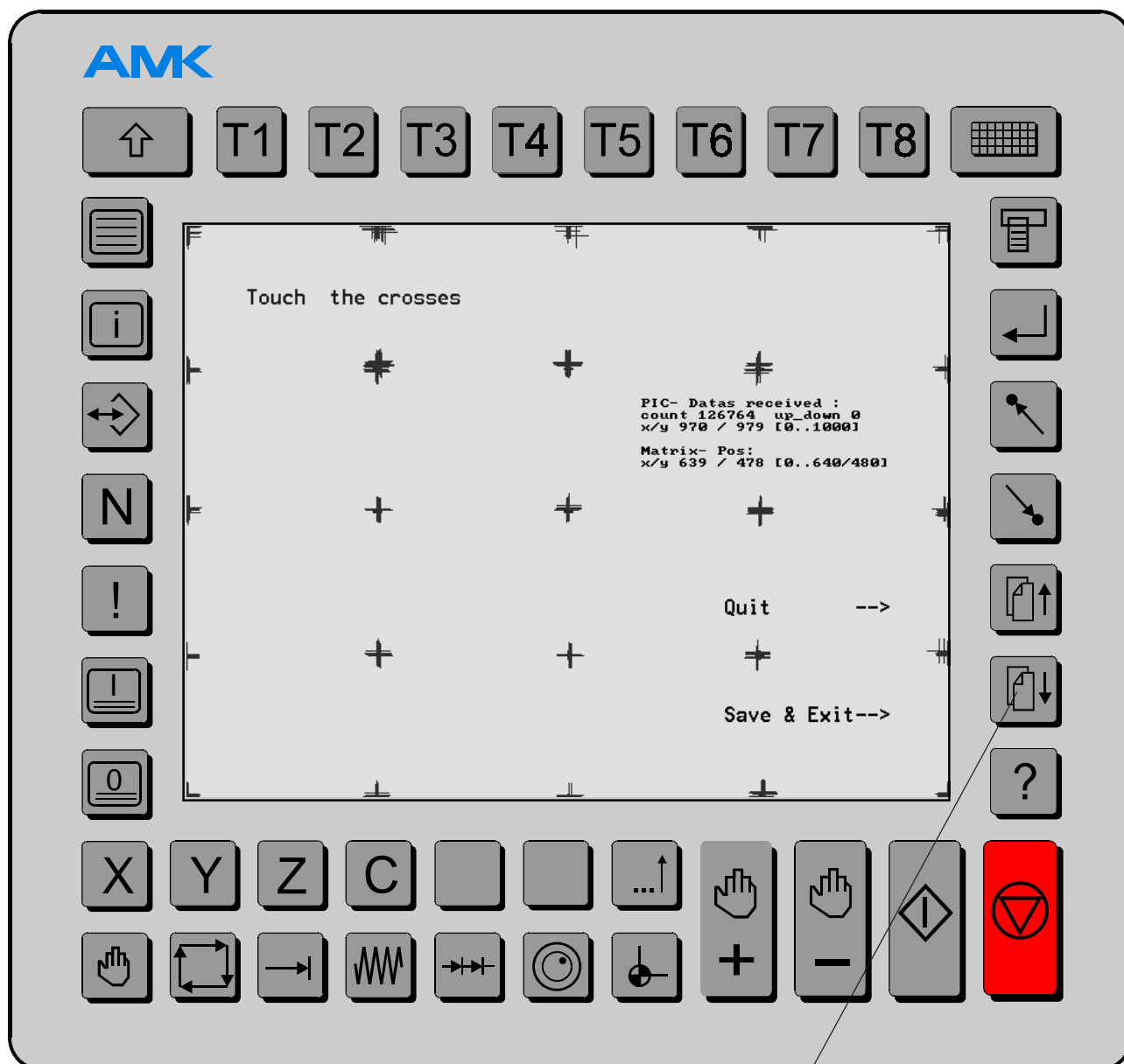
- 1 - 2 - 7 - 6 - 1
- 2 - 3 - 8 - 7 - 2
- 3 - 4 - 9 - 8 - 3
- 4 - 5 - 10 - 9 - 4
- etc.



2.3 Touch-Screen calibration

It is recorded when each touching lightly on cross. This cross command as close ones as possible at the given mark point (cross) is situated.

The marking process can be repeated, in order to keep the dispersion as small as possible.



The calibration is terminated with press the keys 'Save & Exit'.

To net curtain aborted with key 'Quit' the process without saving.