

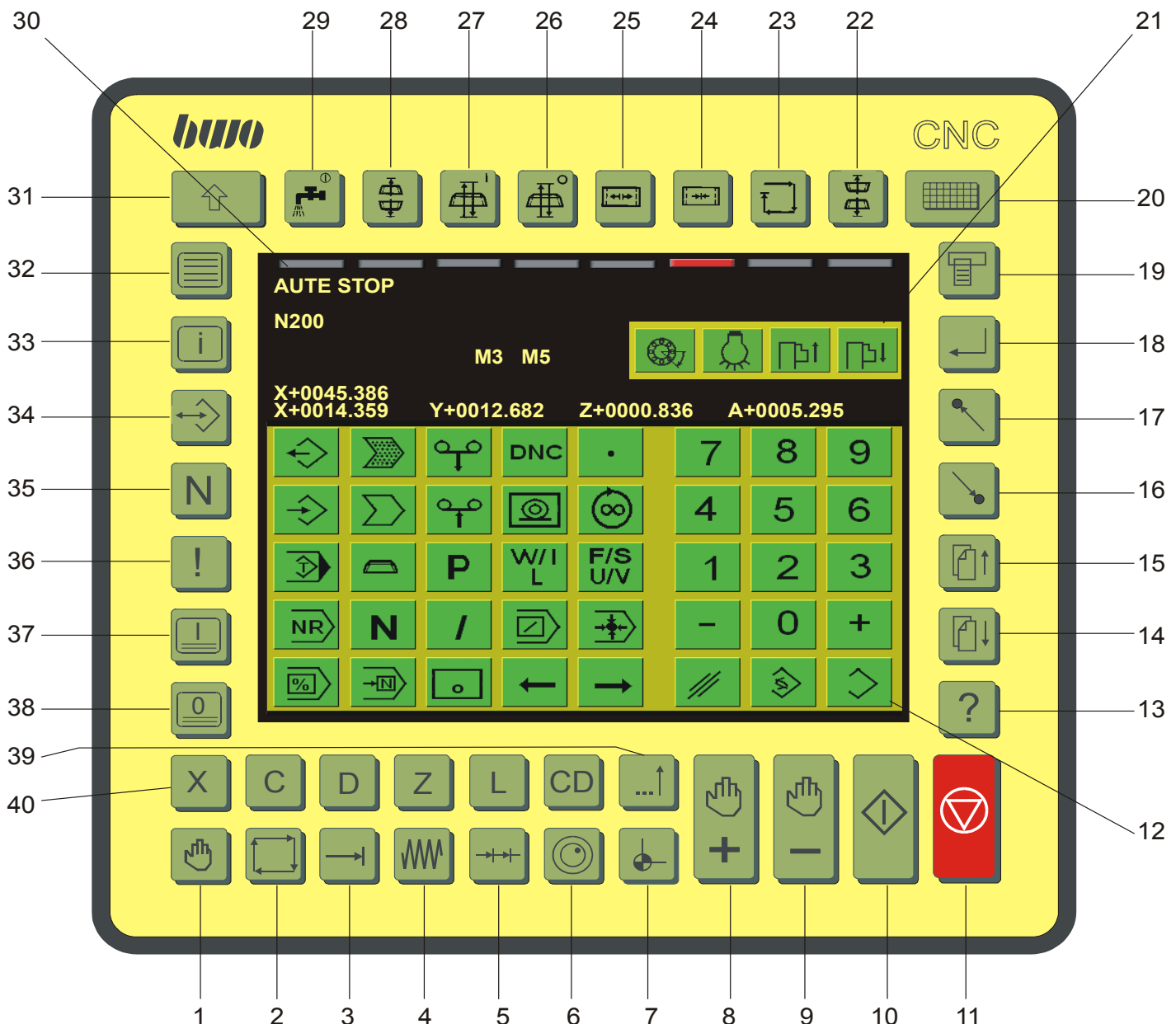
Operating Panel- Emulator CNC 783 (800141 LORENZ - execution)

The operating panel **CNC783 Emulator** is a replacement for the old panel (cabinet version) of a HK CNC783 control. The emulator panel is based on the hardware of the CNC 920 operating panel. (touch- screen and interfaces for control and peripherals)

The CNC783- functionality is reached through complete software- emulation. When later an update from a CNC783 control to a modern CNC920 system is needed, only the firmware of the panel has to be updated. That way you can get a fully featured CNC920 operating panel, sparing extra capital spending.

Among the new features of the emulator panel is to mention the user programable serial interface (for connecting the CNC783- system to other RS232 devices such as PC's) and the possibility to display extra information on the panel. (version of OS, settings of the serial interface, ect.)

Key allocation



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Key allocation

1	Manual mode
2	Switching between automatic sequential block and automatic single block
3	Switching in positioning mode
4	Manual mode continuously drive
5	Manual mode step by step drive, switching in steps from 10mm to 0,001mm
6	Without function
7	Automatic homeposition and reference point positioning
8 + 9	Push buttons + and - for driving the selected axes
10 + 11	Start and Stop
12	Machine-specific control keys on the touch screen
13	Additional informations
14	Push button +
15	Push button -
16	Baud rate insert and select (toggle)
17	Data format - adjustments insert and select (toggle)
18	Enter-key
19	Without function
20	Display of 4 additional machine-specific PLC keys
21	4 additional machine-specific PLC keys with LED on the touch screen

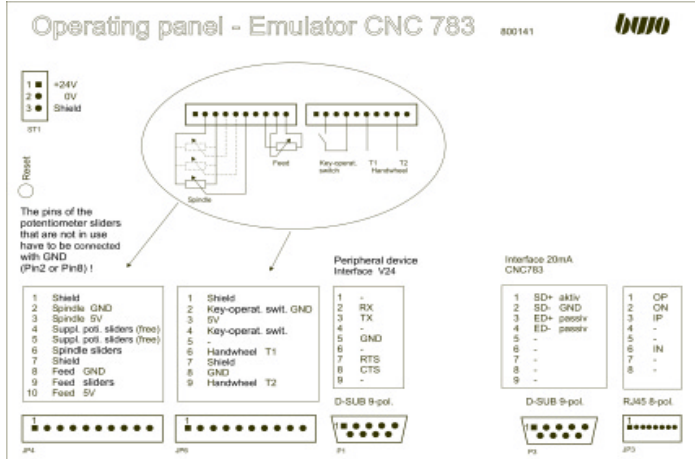
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Key allocation

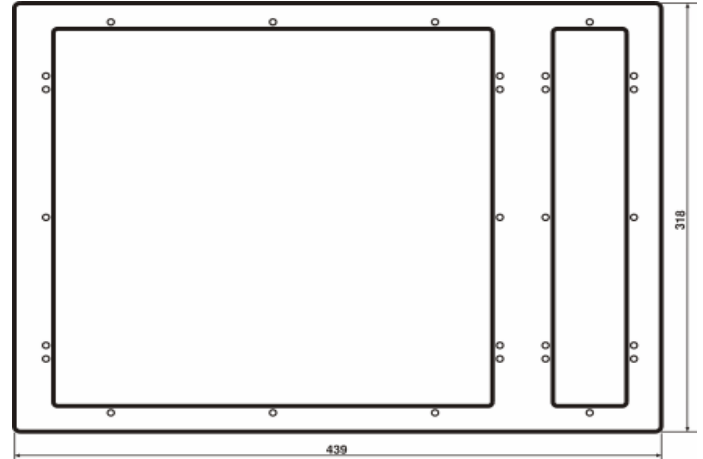
- 22 - 29 8 machine-specific PLC keys
- 30 LED display for 8 machine-specific PLC keys
- 31 For special functions: In connection with IO start (37) / IO stop (38) the touch screen can be activated or deactivated (e.g. to clean the surface of the touch screen).
- 32 Without function
- 33 System information (additional function)
 once pushed: Info. picture is inserted
- | | |
|--------------|--|
| BS:XXXXXX | operating system |
| VER:XX | software version |
| FORMAT:X,Y,Z | data format for peripheral device interface
X = 7 or 8 (7 or 8 data bits)
Y = O, E or N (parity odd, even, none)
Z = 2 (2 stop bits) |
| COM:XXXX | baud rate for peripheral device interface
X = 600 - 9600 baud |
- again pushed: Info. picture is faded out
- 34 Memory read / memory write (toggle)
- 35 NC-block editor
- 36 Diagnosis: Information about statuses, interfaces, parameters
- 37 IO start
- 38 IO stop
- 39 Data format or Baud rate (toggle)
- 40 NC axes X, C, D, Z, L, CD (or according to the customer preference)

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Connection Diagram



Adapter plate



Adapter plate CNC783 -> Emulator, **800159**

- for the installation emulator and machine control panel
- the adapter plate corresponds the size to control panel CNC783
- the machine control panel you can mount left or right.

Example of Installation

machine switches,
knobs and overrides, **800047**
Operating Panel-
Emulator CNC 783, **800141**

