

CNC hardware: controller

CNC controller III and VI - the step motor full control combines all required components to automate a CNC machine tool in one machine

Convincing arguments: quality, efficiency and price

- Compact, elaborated housing, including a high-performance power supply unit, line filter and powerful forced air circulation
- Simple upgrading for up to 6 control cards for the operation with two separate machines
- Perfectly appropriate for pcTurn and MegaNC and also compatible to similar software
- 4 separately switchable, potential-free relay outputs in the power section (controller VI)
- Optical axis control by LED's of different colors
- All connections, connectors and service openings are provided at the front, therefore installation to other housings is possible in a simple way
- High-grade signal processing for trouble-free operation
- Monitoring of all control cards by an integrated control
- Plug & Play control cards
- Operating current and holding current are separately adjustable for the corresponding step motor
- All outputs to step motors are of short-circuit proof type
- Integrated switch off for all three axes in case of malfunction of a control card
- Largely dimensioned fan, little heat development
- The controller works in semi-step operation
- Signal preparation (multi signal, single signal)

Additional functions of controller VI to controller III

- **Connection for reference switch (only for port 1)**
- **4th axis is selectable (e.g. circular dividing table)**

CNC controller II 40V	357 1951	220.00
<ul style="list-style-type: none"> · With 3 card slots · Without control cards · Connection 230 V ~50 Hz 300 VA · Dimensions L x W x H: 295 x 230 x 145 mm 		
CNC controller VI 40V	357 1950	280.00
<ul style="list-style-type: none"> · With 6 card slots · Without control cards · 4 potential-free relay outputs · Connection 230 V ~50 Hz 300 VA · Dimensions L x W x H: 540 x 275 x 125 mm 		
CNC control card	357 1960	125.00
<ul style="list-style-type: none"> · X-, Y- or Z-axis: one card each 		
Universal reference switch kit	357 1980	129.00
<ul style="list-style-type: none"> · For controller VI · With universal add-on parts · High repeat accuracy · Contactless · For mounting to the machine, machine zero point · Protective system IP 65 		
Factory assembly reference switch kit	900 0506	99.00

Extent of supply CNC controller III / VI

- Mains cable
- LPT port adapter multi signal/single signal
- LPT connection cable



Fig.: LPT port adapter



Fig.: Mains cable



Fig.: LPT connection cable

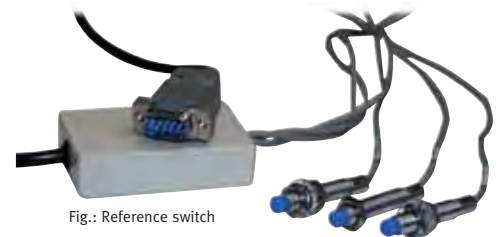
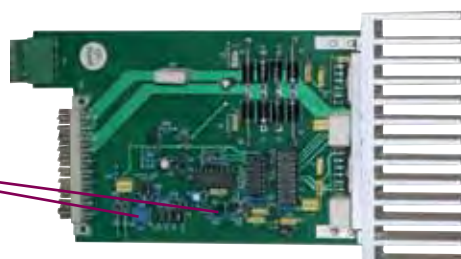


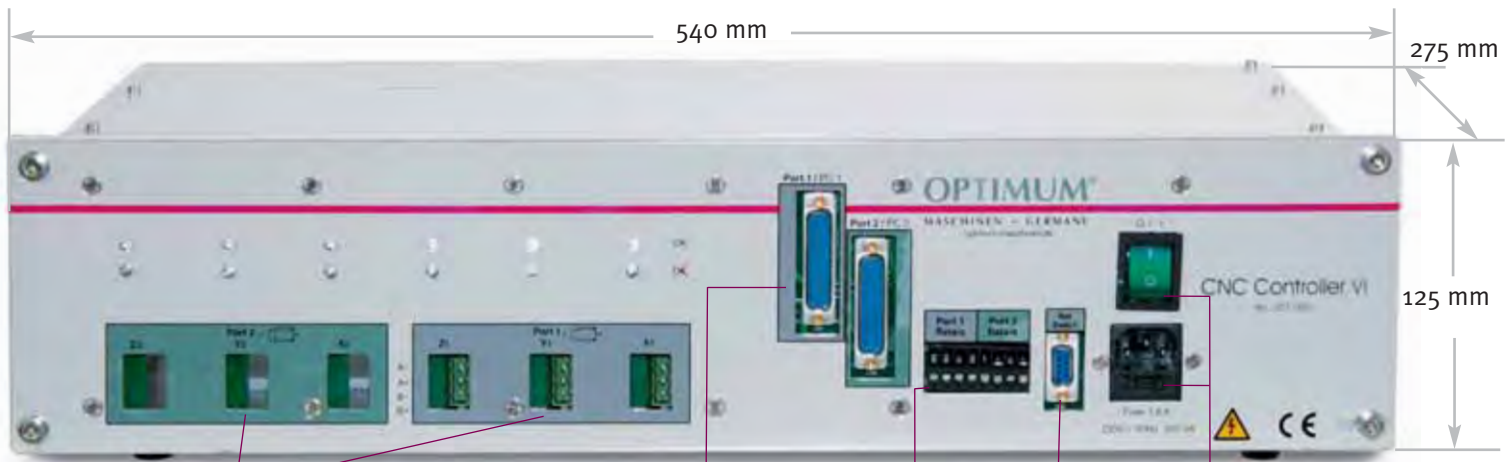
Fig.: Reference switch

CNC control card for controller III/VI

- Pluggable control card with largely dimensioned coolant body
- Current and holding torque individually adjustable

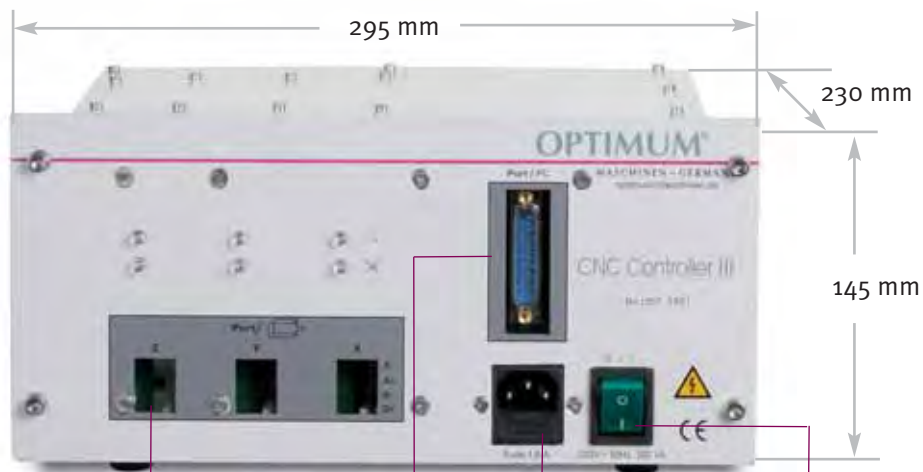


CNC controller VI



- Two separate ports with three slots each
- Optical axis control by LED's of different colors
- Two separate connections on the PC for two different machines
- Two separate relay connections (connection for e.g. lamp or vacuum cleaner)
- Connection for reference switch
- ON/OFF switch at the front side easily operated
- Power input with fuse from the front

CNC controller III



- With max. three slots
- Optical axis control by LED's of different colors
- Connection on the PC for one machine
- Power input with fuse from the front
- ON/OFF switch at the front easily operated



- Simple assembly of the control cards by opening the insertion slot Controller III/VI



- Largely dimensioned fan Controller III/VI