



ROSETTACNC BOARD B

INDUSTRIAL ETHERNET MOTION CONTROLLER FOR YOUR CNC MACHINE TOOLS



Position

Position	Ziel	GESCHW
X -34.595	0.000	515
Y 15.887	0.000	971
Z 15.539	0.000	359
A -16.507	0.000	1154
B 0.000	0.000	0
C 149.796	0.000	206

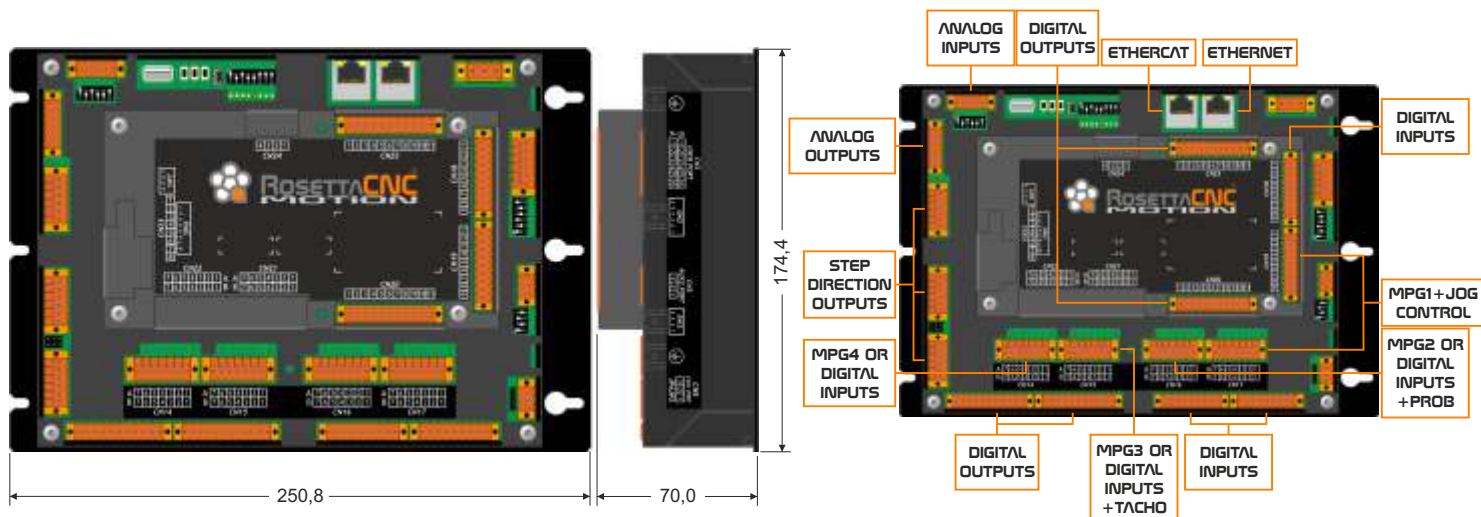
Feed 1156

Simulation

0 min 1156 mm/min

THE ROSETTACNC "REAL SIMULATOR" BRINGS THE WORKSHOP ON YOUR DESK

ROSETTACNC



Board features

- n.6 interpolated axes (X, Y, Z, A, B, C) for Stepper or Brushless motors control (125KHz÷1MHz PP/LD)
- n.32 digital inputs
- n.32 digital protected outputs 24Vdc, 500mA
- n.2 LAN ports (Ethernet, EtherCat)
- Power supply 24Vdc
- Removable anti-vibration spring connectors
- CPU with DEDICATED FPGA
- Speed override control with potentiometer, MPG (Manual Pulse Generator) or from PC
- Look ahead up to 2000 blocks
- Simultaneous movement of the 6 axes
- Smooth with Spline Bezier
- Spindle speed control with analog output 0-10V
- RTCP with Head-Head AC, Board-Board AC/BC
- 6-axis external handwheel connector
- High immunity to electromagnetic interference
- According to standards EN 61000-6-2 and EN-6100-6-4

Software features

- HMI on Windows XP÷W10 PC (download from "rosettacnc.com" site)
- Embedded Gcode Editor
- "Real" tool path Simulator
- G-code macros for manual, automatic or custom tool change
- Camera management with contextual alarms recording
- Fanuc Macro-B compatible programming
- Subprograms and G-code macros managing
- Resume running program from select line
- Feeler function
- 3D scanning with mechanical or laser probe
- Ready for INDUSTRY 4.0: support OPC-UA and MODBUS protocols
- Precise work time prediction

Accessories

- Handwheel
- MPG (Manual Pulse Generator)

