



CODE

OPTIONS FOR CNC

CNC panel “compact” version (or interface with rack “Modax 1000”), PC based, version M for milling , T for turning.
Linear, circular, helicoidale interpolation, TFT full colors **DISPLAY 8,6”**,
1 Gb memory programs , USB interface, polycarbonate keyboards, supply 90-270 Vca – 60W.



Hardware technical features:

- 05 Analogue axes output. (+/-10 Vcc) optoisolate
- 03 Digital axes output PWM (square waves 12 Vcc NPN)
- 05 Differential encoder input (line driver)
- 02 Analogue input (0/+10 Vcc) optoisolates
- 32 Digital input 24 Vcc PNP optoisolates
- 20 Digital output 24 Vcc PNP optoisolate
- 01 Connection for Joystik pannel CPJ 990
- 01 Connection for extensible manual handwell EKV
 - 01 LAN port for Eterneth
 - 01 CAN Bus port connection

VSC 1020 M-T

CNC panel “compact” version (or interface with rack “Modax 1000”), PC based, version M for milling , T for turning.

Linear, circular, helicoidale interpolation, TFT full colors **DISPLAY 10,1”**,
1 Gb memory programs , USB interface, polycarbonate keyboards, supply 90-270 Vca – 60W.



Hardware technical features:

- 05 Analogue axes output. (+/-10 Vcc) optoisolate
- 03 Digital axes output PWM (square waves 12 Vcc NPN)
- 05 Differential encoder input (line driver)
- 02 Analogue input (0/+10 Vcc) optoisolates
- 32 Digital input 24 Vcc PNP optoisolates
- 20 Digital output 24 Vcc PNP optoisolate
- 01 Connection for Joystick pannel CPJ 990
- 01 Connection for extensible manual handwell EKV
- 01 LAN port for Etherneth
- 01 CAN Bus port connection

VSC 1030 M-T

CNC RACK "stand alone" : Numeric control for machine tools in "rack" version interface only with CNC panels VSC 1020 or VSC 1030 (M-T)
Equipped with all the sockets and CD ROM with instruction manual for user and installation.



Hardware technical features:

- 05 Analogue axes output. (+/-10 Vcc) opto-isolate
- 03 Digital axes output PWM (square waves 12 Vcc NPN)
- 05 Differential encoder input (line driver)
- 02 Analogue input (0/+10 Vcc) opto-isolates
- 32 Digital input 24 Vcc PNP opto-isolates
- 20 Digital output 24 Vcc PNP opto-isolate
- 01 CAN Bus port connection

MODAX 1000

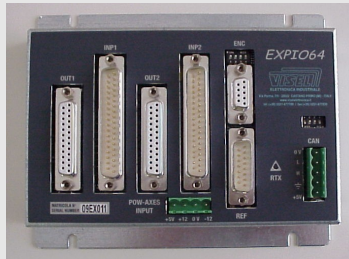
External module for input – output expander




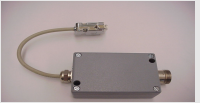
Hardware technical features:


- Analogue axes output. (+/-10 Vcc) optoisolate
- 01 Differential encoder input (line driver)
- 02 Analogue input (0/+10 Vcc) optoisolates
- 64 Digital input 24 Vcc PNP optoisolates
- 40 Digital output 24 Vcc PNP optoisolate
- 01 CAN Bus port connection

Short cable (20 cm) " D-CAN " included

**EXPIO64 I/O
Module
expander**



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| POWAX | <p>External switching power supply, metal box case, with 3 power output sockets , single Ac input supply from 100 to 240 Vac, 65 W , output +5 , +12, -12 Vcc.</p> <p>Hardware technical features: INPUT : 100-240 Vca OUTPUT : + 5V cc (5,5 A) +12V cc (2,5 A) - 12V cc (0,5 A)</p> | |
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| POW24 | <p>External switching power supply Vin 110-220 Vac : output 24V-5A</p> |  |
| VLT EKV | <p>Extensible electronic handwheel with selector for change range and axis, emergency bottom, safety key (extensible cable 3m).</p> |  |
| CPJ 990 | <p>Panel with 3 joystick for manual movement , key START-STOP-RAPID FEED</p> |  |
| VEXE05 | <p>Extrapolator for encoder : input sin-cos signal. Output : differential encoder output square wave division for 5</p> |  |

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| VSMRO-10 | 10 Relays socketed module single contact (N.O. – N.C.) , 250V – 10A Executions for mounting DIN EN50022 or EN 50035 , connection with the CNC through SUB-D 25 poles . Jumper for add 2 cards (total 20 relays) |  |
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| | PAPER MANUAL / SOFTWARE | |
| MNE-STR12 | STARTING manual for CNC VSC 1020 | |
| MNE-HDW12 | HARDWARE INSTALLATION manual for CNC VSC 1020 | |
| MNE-USR12 | USER MANUAL for CNC VSC 1020 | |
| MNE-ISO12 | ISO PROGRAMMING manual for VSC1020 | |
| MNE-PLC12 | PLC PROGRAMMING manual for CNC VSC 1020 | |
| MNE-PAR12 | PARAMETER PROGRAMMING manual for CNC VSC 1020 | |
| MNE-CAM12 | VISCAD PROGRAMMING manual for CNC VSC 1020 | |
| MNE-MCM12 | MILLING MACRO programming manual for CNC VSC 1020 | |
| MNE-MCT12 | TURNING MACRO programming manual for CNC VSC 1020 | |
| SFT-MCK12 | CD with program " MACRO-MAKER " for edit "macro" by yourself and transfert to CNC Macro-menù. | |
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| | ASSEMBLED CABLES " Plug and Play" | |
| CB- 9M- 05 | 0,5m cable included of connectors for encoder connection to MO2030-09M | |
| CB- 9M- 15 | 1,5m cable included of connectors for encoder connection to MO2030-09M | |
| CB- 9M -30 | 3,0m cable included of connectors for encoder connection to MO2030-09M | |
| CB- 15M- 05 | 0,5m cable included of connectors for PWM connection to MO2031-15M | |
| CB- 15M- 15 | 1,5m cable included of connectors for PWM connection to MO2031-15M | |
| CB- 15M -30 | 3,0m cable included of connectors for PWM connection to MO2031-15M | |

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|---------------------|-------------------------------------------------------------------------------------|--|
| CB- 25M- 05 | 0,5m cable included of connectors for output connection to MO2032-25M | |
| CB- 25M- 15 | 1,5m cable included of connectors for output connection to MO2032-25M | |
| CB- 25M -30 | 3,0m cable included of connectors for output connection to MO2032-25M | |
| CB- 15F- 05 | 0,5m cable included of connectors for Refer. connection to MO2043-15F | |
| CB- 15F- 15 | 1,5m cable included of connectors for Refer. connection to MO2043-15F | |
| CB- 15F -30 | 3,0m cable included of connectors for Refer. connection to MO2043-15F | |
| CB- 37F- 05 | 0,5m cable included of connectors for input connection to MO2045-37F | |
| CB- 37F- 15 | 1,5m cable included of connectors for input connection to MO2045-37F | |
| CB- 37F -30 | 3,0m cable included of connectors for input connection to MO2045-37F | |
| CB- VSR- 05 | 0,5m cable included of connectors for output connection to VSRMO-10 | |
| CB- VSR- 15 | 1,5m cable included of connectors for output connection to VSRMO-10 | |
| CB- VSR -30 | 3,0m cable included of connectors for output connection to VSRMO-10 | |
| CB- PWV- 05 | 0,5m cable included of connectors for Powax connection to VSC 1020-30 | |
| CB- PWV- 15 | 1,5m cable included of connectors for Powax connection to VSC 1020-30 | |
| CB- PWE- 05 | 0,5m cable included of connectors for Powax connection to EXPIO64 | |
| CB- PWE- 15 | 1,5m cable included of connectors for Powax t connection o EXPIO64 | |
| CB-CAN-2- 05 | 0,5m cable included of connectors for CAN BUS connection to CAN BUS | |
| CB-CAN-2- 15 | 1,5m cable included of connectors for CAN BUS connection to CAN BUS | |
| CB- CAN-2-50 | 5,0m cable included of connectors for CAN BUS connection to CAN BUS | |
| CB-CAN-4- 05 | 0,5m cable included of connectors for CAN BUS connection to CAN BUS | |
| CB-CAN-4- 15 | 1,5m cable included of connectors for CAN BUS connection to CAN BUS | |
| CB- CAN-4-50 | 5,0m cable included of connectors for CAN BUS connection to CAN BUS | |
| CB-POWER | 2,0 m power supply cable with SHUCO terminal | |