MHIS Software

SOFTWARE INTERFACE FOR MACHINE PC/CNC

For the integration of the User Interface of its P7 system Marposs proposes a software called Marposs Human Interface Software, for installation in the PC of the machine connected to the P7 via RS232 or Ethernet.
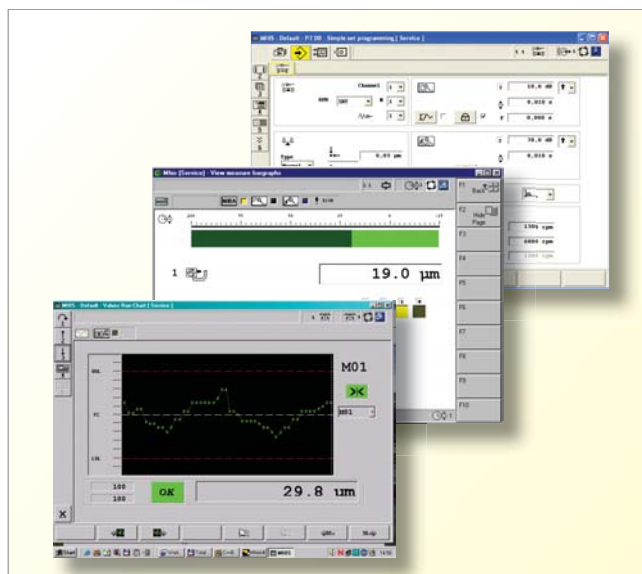
M.H.I.S. was developed for the Windows®operating system, is an OCX, and thanks to the presence of a dedicated OPC Server allows the PC/CNC software to share data with the P7.

M.H.I.S. satisfies the requirements put forward by an increasing number of Manufacturers in recent years:
• Recovery of space on the machine panel by eliminating the equipment Front Panel.
• Operator interface customisation so that the user programmes and controls all Marposs systems normally installed on the machine: Gauges, Grinding wheel balancers, Sensors.

Benefits

• RECOVERY of space customarily used for the front panel and the relative connecting cable.
• SAME view for all control functions (Measuring, Balancing, Sensors).
• INTEGRATION of DATA VIEWING, PROGRAMMING, SHARING functions relative to:
   ◆ In Process Measurement
   ◆ Post Process Measurement
   ◆ Grinding Wheel Balancing
   ◆ Analysis using acoustic sensors
• NO DEVELOPMENT of dedicated software for viewing process control
• ARCHIVING of data and log file relative to operating alarms and P7 system alarms
• MORE ERGONOMIC for data entry in the P7 thanks to use of the CNC keyboard/mouse/touch screen/softkeys

Teste di Misura

Elettroniche

Teste Bilanciatrici

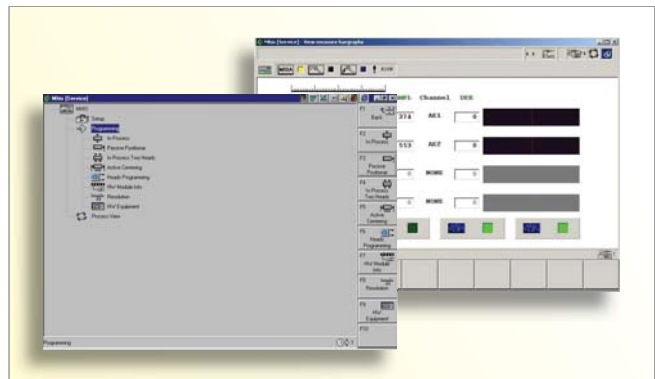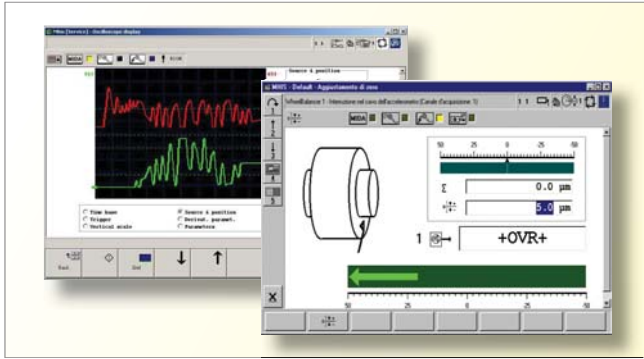Software

Sensori di Monitoraggio

Accessori

Versatility

M.H.I.S. is installed in the machine PC and automatically adapts to the configuration of the P7 to which it is connected, making available:
- Pages already structured and dedicated to programming and viewing the process.
- Optimised navigation mode
- Messages for the end user

But the OEM can still manage the OCX, creating its own views.

Configurability

M.H.I.S.:
- has pages which can be adapted to the Monitor's resolution
- it is used with controls normally present on the machine panel (keyboard, softkeys, mouse, etc.) and is also available for use with a Touch Screen
- it can be used irrespective of the type of interface selected for the exchange of signals between the gauge and the PLC:
  ◆ parallel I/Os / BCD/Binary interface
  ◆ fast I/Os dedicated to particular signals (Gap/Crash, Touch, etc.)
  ◆ Field Bus
- handles 3 user levels with passwords. The higher level (Service) allows selection of the views dedicated to users with lower access clearance
- allows simultaneous viewing of two or more control variables for the various processes which the user can define and size as required in the CNC screen pages
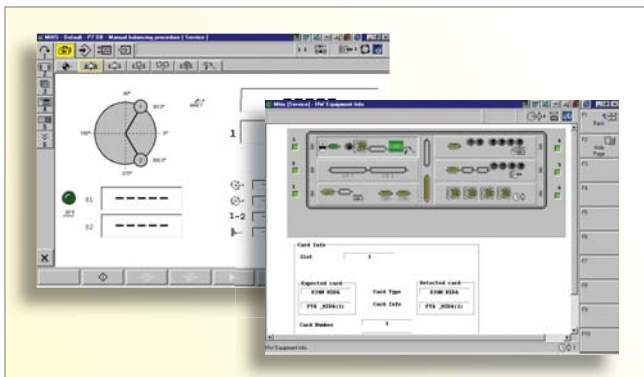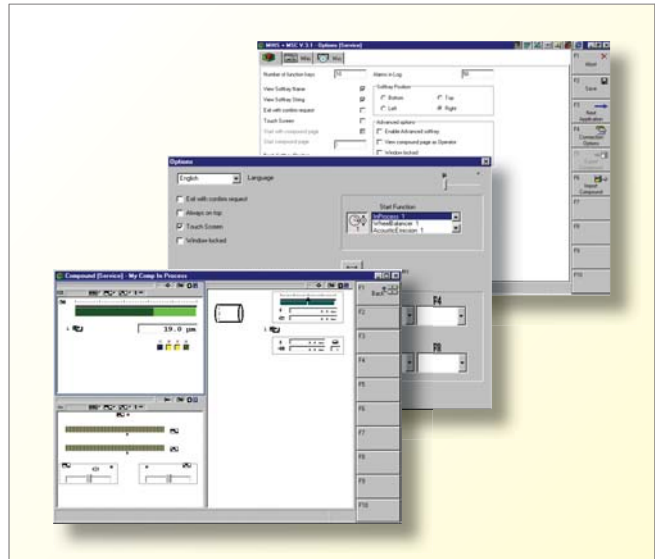
Process control

M.H.I.S. becomes a machine PC task which can be managed like any other program. It connects the machine CNC and the P7, allowing:
- A clear display of the Process Variables
- Easy navigation through the pages
- Simple parametric programming in the workshop language for all operating functions

Maintainability

Like other programs developed by Marposs in the Windows environments, M.H.I.S. improves equipment archiving and data recovery functions.

As well as improving the quality of diagnostic displays on the machine with specific views and messages, M.H.I.S. allows remote control of the equipment with commercial software for connection between PCs.

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MARPOSS
www.marposs.com