



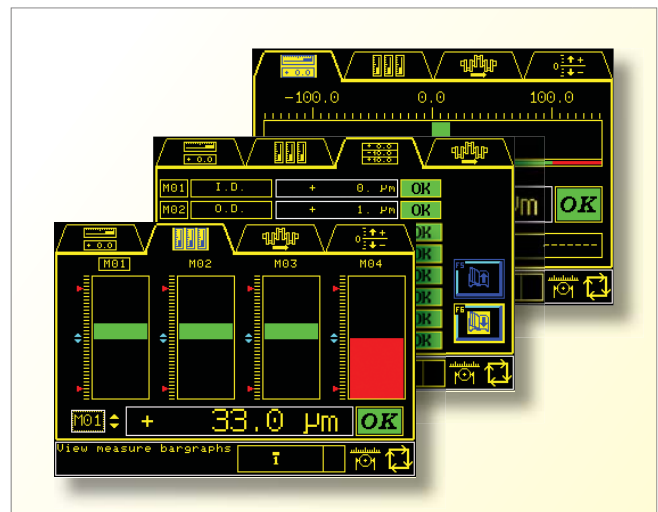
## POST-PROCESS APPLICATIONS ON GRINDING MACHINES

Amongst the MARPOSS measuring systems designed to check the work of a single machine or an entire production line, the P5 system's versatility, processing speed, configurability and hardware/software standardisation place it at the top of its category.

Individual measuring and checking requirements are completely fulfilled in the post-process measuring packages developed as a result of Marposs experience. The visualization can be made either by a graphic panel display or directly on CNC operator panel by means of MHIS software (Marposs Human Interface Software) developed in Windows® environment.

### Single and multiple measurement checks

- measurements on diameters with dimensions varying within a 25.4 mm range without retooling
- measurements corrected irrespective of temperature variations
- temperature sensor management
- simultaneous checking of N measurements on the same part or multiple parts (max. 32 measurements for 64 different part types)
- stepped measurements on individual part with summary of final part status
- geometric measurements check with part rotating
- shape check on mechanical centres
- measurements taken both on stationary and moving part
- check of parts passing on grinding wheels without centres or with double disk



Measuring Heads

Electronic Units

Balancing Heads

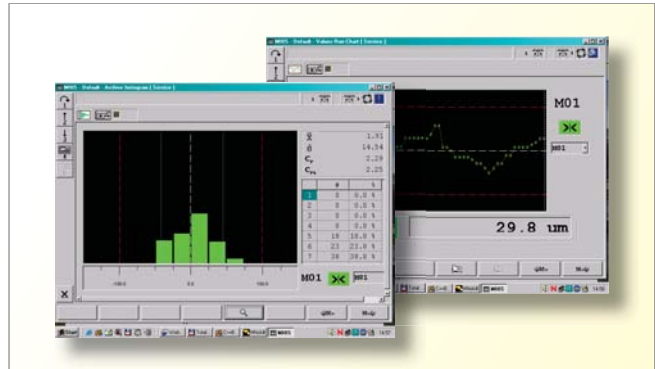
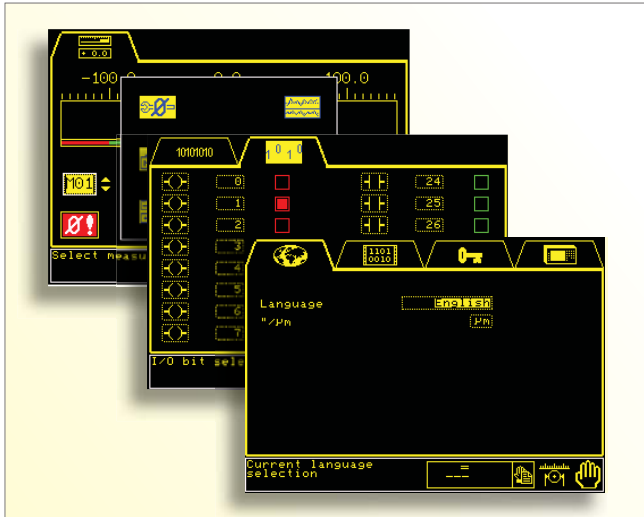
Software

Sensors

Accessories

## Process control

- statistical check of the machining process using X&R, X&S, trend, rolling average and counter correction methods
- analysis of distribution and of process Cpk capacity indices



## Versatility

Operator intervention is facilitated by the graphic interface, by hot keys for the main views and by an efficient debug of all input/output signals.

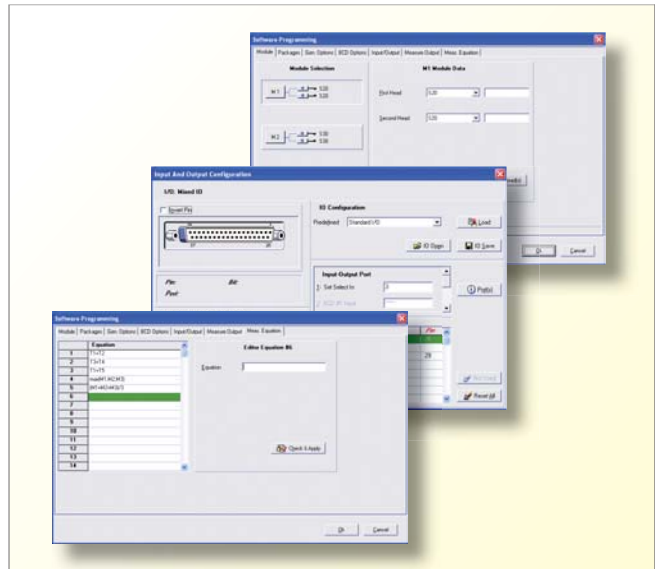
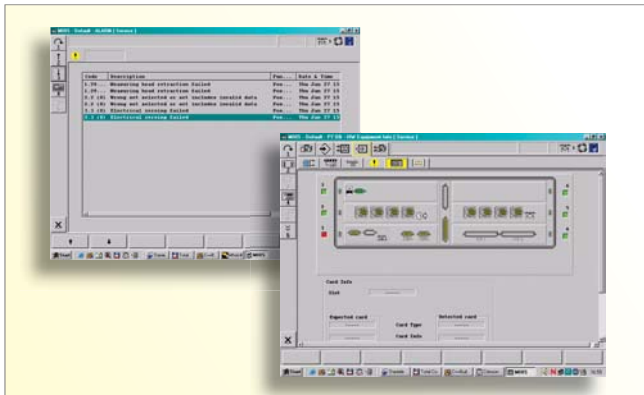
A selection of languages and measuring systems further extends system flexibility.

## Configurability

A configuration tool is used to set up the device for the specific application, simplifying entry of the measurement formulas and definition of all parameters for the application.

The configuration program allows selection of the transducers and input/output or BCD signals on both normal 37-pin cannon connectors and fieldbus connectors.

The high degree of P5 system standardisation allows it to adapt to different types of machines, including the development of dedicated solutions, and optimisation of the number of spare parts, containing the overall investment.



## Maintainability

Measuring device management is made noticeably easier by programs developed in the Windows® environment designed to archive and restore the data programmed and to install the Marposs post-process measuring packages.

Clear gauge diagnostics allow immediate checking of any hardware problems and appropriate messages facilitate process control.


*Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.*



**MARPOSS**  
www.marposs.com

For a full list of address locations, please consult the Marposs official website

D6P00001G0 - Edition 12/2004 - Specifications are subject to modifications  
© Copyright 2004 MARPOSS S.p.A. (Italy) - All rights reserved.

MARPOSS,  and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in the present publication are acknowledged to the respective owners.

Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.

