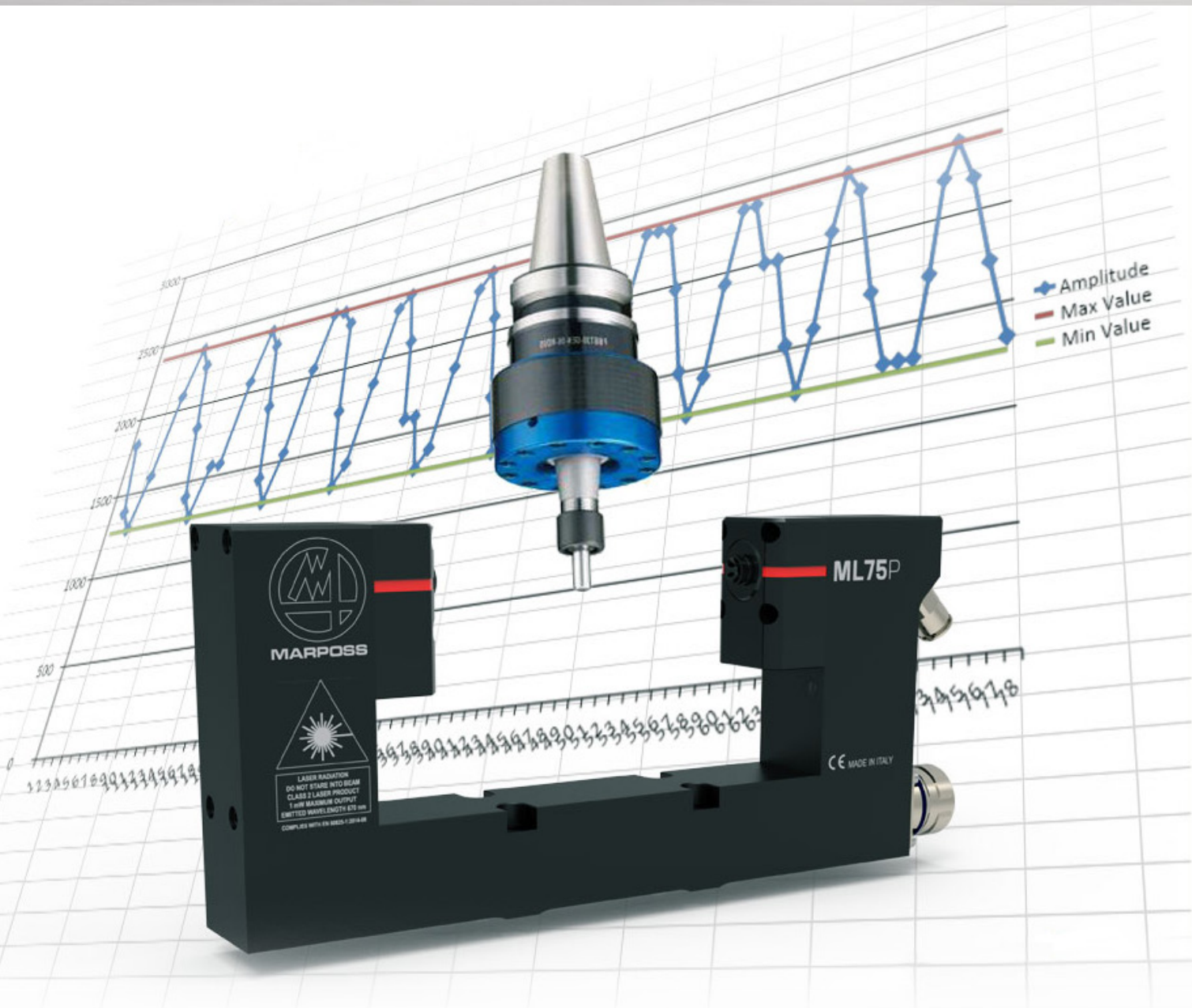


# ML4USM

## ULTRASONIC TOOL MEASUREMENT



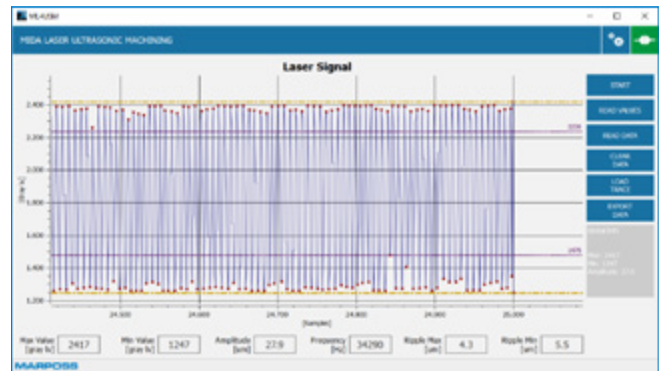
# MARPOSS

UltraSonic Machining (USM) is the most suitable machining technology in ceramic, glass and hard material applications: tool of desired shape vibrates at ultrasonic frequency with micro range amplitude.

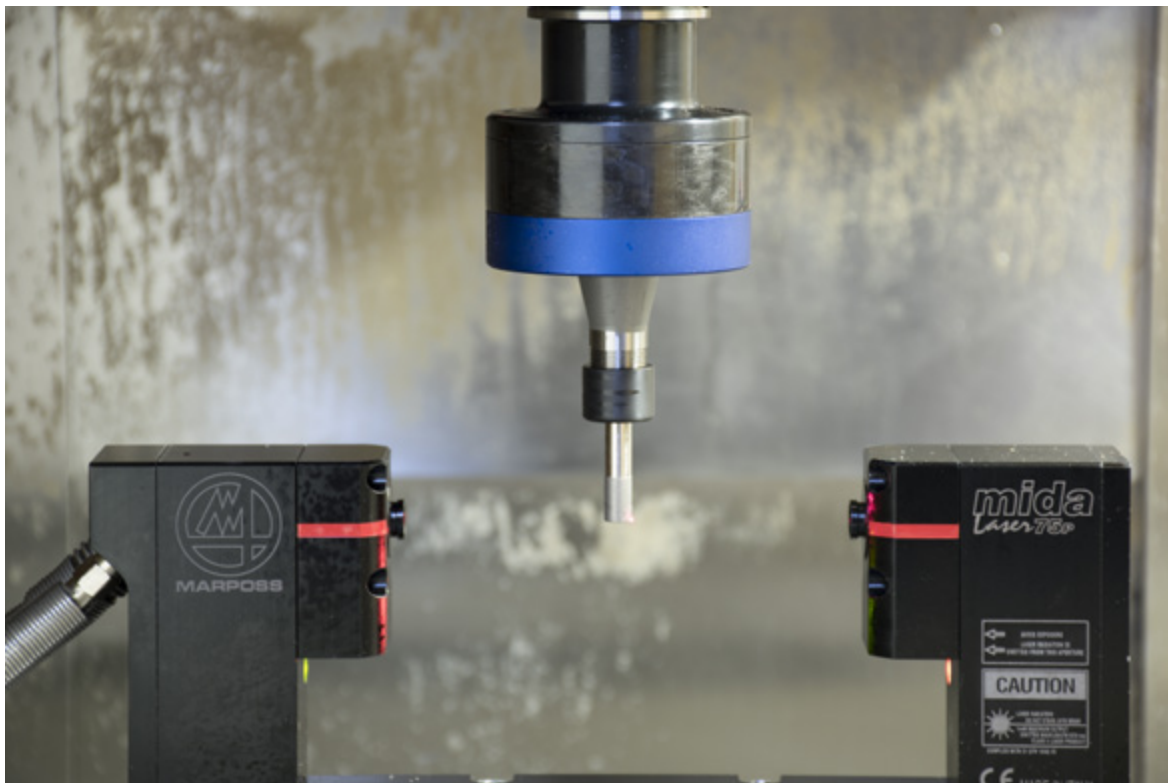
Thanks to vibration of the tool tip, surface finishing becomes perfect, saving machining time and extending tool life. The main reason for using ultrasonic tool is to provide better performances.

Marposs' ML75P special edition, with its laser technology, is the perfect solution to keep under control Ultrasonic tool vibration amplitude and frequency.

ML75P special edition is able to collect, in few hundreds of milliseconds, thousands of samples of vibrating tool tip and, in synergy with the new ML4USM software, it will acquire and elaborate the signal detecting tool vibration amplitude and frequency and finally transferring results back to CNC machine. Dedicated measuring cycle running on CNC will automatically do the job permitting to USM technology to be used in the most profitable manner.



USM - Tool oscillation captured by ML4USM software



[www.marposs.com](http://www.marposs.com)

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

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Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification.



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