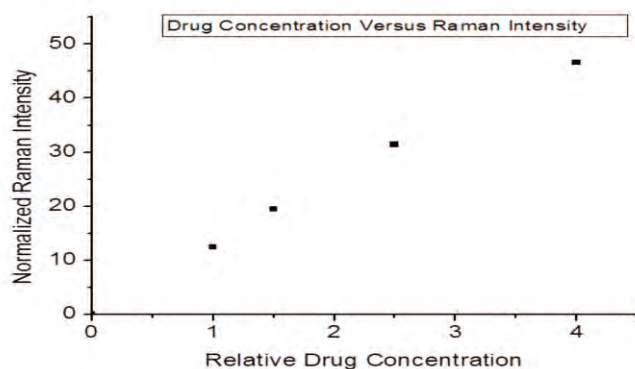
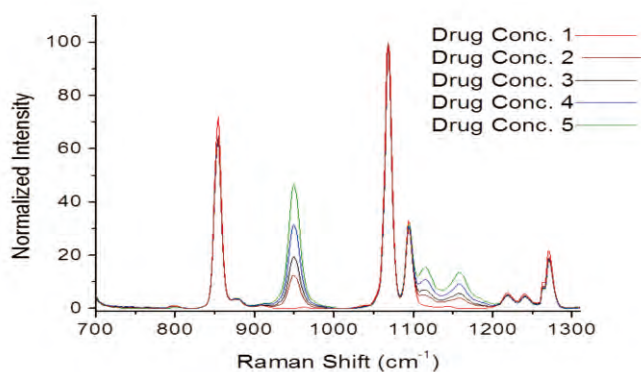


● Pharmacy

MRI is an efficient Micro Raman Identify measurement system, which the laser is built in MRI probe body and the laser could be replaced easily and quickly. MRI included at least 9M pixel CCD image for monitoring your samples. MRI could set up by vertical or horizontal direction depend on your sample application. MRI also could be Micro Raman system that can carry out in a suitcase.



Pharmaceutical manufacturing is now moving towards a new paradigm that relies more on process information in defining the quality of the end product. Among various PAT tools, spectroscopic techniques can provide the necessary specificity to analyze pharmaceutical drug products. Raman spectroscopy is emerging as a powerful PAT tool in the pharmaceutical industry. The software of MRI Micro Raman Identify system can play an important role in real-time monitoring of pharmaceutical unit operations.

A classic Raman application for quantitative in-line monitoring of tablet coating has been published previously. We can use MRI Micro Raman Identify system to measure different contraction during different reaction time which needed to make calibration curve first. In other words, it could be possible to quantitatively monitor the polymorph transformation during the reaction. The sustained progress in Raman technology opens novel opportunities for better understanding of drug product processes. RAMSpec software with quantitative function is the powerful tool for monitoring reactions.

System Specification

Excitation Source	473,488,532,633,785,1064nm
Power	50~300mW or higher on request
Sensitivity in counts	At least 16,000 counts/sec @ 532nm test by Si wafer
Integration time	1.1ms-600s
Visible Image	Auto-exposed 9M pixels real-time image with scale
Dimension	195x195x130 mm (not including objective)
Operation	peak/FWHM searching, Spectra Overlaid, Kinetic, Baseline Correction, 3D Spectra, Zoom-in, Raman calibration, Autosave and history functions, Quantitation

