

Knowledge Is Power Is Reduced Scrap Is Improved Revenue Is More Efficient Production

Many needs. Many benefits. Now, one gateway to robust PAT solutions.

When tablets fail release specifications, such as content uniformity and dissolution, the source of the problem can often be traced back to blending and lubrication. At Mathis, Brock Solutions, Natoli Engineering, and IMA, we offer a unified gateway to Process Analytical Technology (PAT) to reduce these failures and increase your production efficiency and revenue. Our integrated, manufacturing-ready solutions can be implemented to allow you to *look, learn and predict* – thus requiring minimal validation and re-submissions to the FDA. And our innovative approach provides the foundation for future *feed-forward and feedback* automated control throughout your solid dose manufacturing train.



Mathis ESP™ (Effusivity Sensor Package) integrates with new or existing blending equipment to provide highly accurate insights into what is happening inside your blender on-line and in real time. It provides precise prediction of optimal physical uniformity and magnesium stearate levels to help you prevent under/over lubing. Mathis sensors can also be integrated on drying equipment.



Brock Solution's industrialization package provides operator-friendly screens that integrate with Mathis ESP and your blend equipment. It also features batch specific data and historical trend information. Brock's process automation and control capabilities give you the potential to share batch information between dryers, blenders and tablet presses for integrated control and optimization of multiple processes.



Blend and lubrication data from Mathis ESP provides clear understanding of the influences of upstream processes on your tablet presses – and allows proactive adjustment within the latitude of your SOP to minimize picking, sticking and ensure optimal levels of hardness, friability, surface appearance, disintegration and dissolution.

“Natoli has been partnering with Mathis to help get the message out there that lubrication monitoring is now a reality. Although it may seem counter-intuitive for a tooling manufacturer to support a concept that may, in the end, extend tooling life... we just want to make life easier for our customers.”

Dale Natoli

For more information, contact us at 1-877-827-7623

