

## SUMMARY

Inconsistent moisture content causes fluctuation in fertilizer size and often the need to re-run the product. The SMART III NIR system continuously monitors moisture content in the 0 - 60% range allowing manufacturers to increase first-pass yield and reduce the cost of production. One unit on the line has been reported by our customers to have a 3-4 month payback period.



## INDUSTRY BENEFITS

- Increases first-pass yield to help reduce cost of re-introducing product back into the process
  - Fertilizer manufacturers have reported a 3-4 month payback period after purchasing this unit
- Improved efficiency by measuring moisture throughout the line
- Easily-mounted, durable sensor suited for harsh plant environments

## SMART III NIR PRODUCT FEATURES

- Continuous non-destructive moisture sensing in the 0 to 60% range
- Simplified optics design cuts maintenance and calibration requirements
- Readings are updated 30 times per second as material passes the sensor to enable rapid drying control
- Simple-to-learn user interface with advanced reporting available for power users
- Patented process of filtering reflected energy from sample reduces ambient light and color interference
- Drift-free temperature stability

## KEY SPECIFICATIONS

<b>Moisture Range</b>	Minimum: 0 to 0.1%, Maximum 0 to 60% (wet weight)
<b>Update Rate</b>	30 moisture calculations per second
<b>Penetration Depth</b>	Up to 1mm

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