

# FT-NIR

## FT-NIR Dedicated Solutions for the Pharmaceutical Industry



### Realize the Promise of FT-IR

- **Raw Material ID**
  - Individual PLS model for each material saving time
  - No cross-contamination
  - No validation of cleaning procedures
  - Confirmation analysis
- **Tablet Content Uniformity**
  - Universal round or oblong sample trays
  - Proprietary optical masking
  - Diffuse Transmission for greater volume measured
- **Moisture in Solids & Lyophilized Products**
  - Non-destructive analysis using glass vials
  - Freeze-drying vials to eliminate loss of valuable contents
- **Dryer & Reaction Monitoring**
  - Multi-point, multi-constituent analysis
  - Remote analysis
  - Continuous measurement of moisture and solvent content
  - Use of insertion probe
  - Instrument self-diagnostic guidelines

### Solutions from the Best PAT Partner

### *BioTools is proud to represent the leader in sales of pharmaceutical solutions, ABB Bomem.*

The use of NIR in the Pharmaceutical industry is highly favored because quick and accurate measurements can be made without destroying the sample. The advantages of using ABB Bomem's FT-NIR instruments are numerous. ABB analyzers show high intrinsic stability that eliminates the need for model maintenance. Measurements can be carried out in a non-contact mode, which eliminates cross contamination. Models are developed using the PLS algorithm to obtain the lowest probability of false positive identification and the possibility to build individual models, that are easier to update.

ABB Bomem had developed NIR solutions that greatly accelerate quality control and manufacturing processes. ABB has a staff of pharmaceutical specialists who can guide you from the feasibility study to submission of the NIR method to regulatory agency.

