

"The world's best Dedicated Analytical Solutions" FOSS

The FOSS vision:

"To provide the world's best dedicated analytical solutions which add value to our customers business by improving quality and optimising production".



Nils FOSS





FOSS NIR-based at-line solutions for the food industry







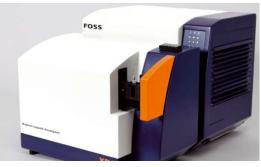














Dedicated Analytical Solutions





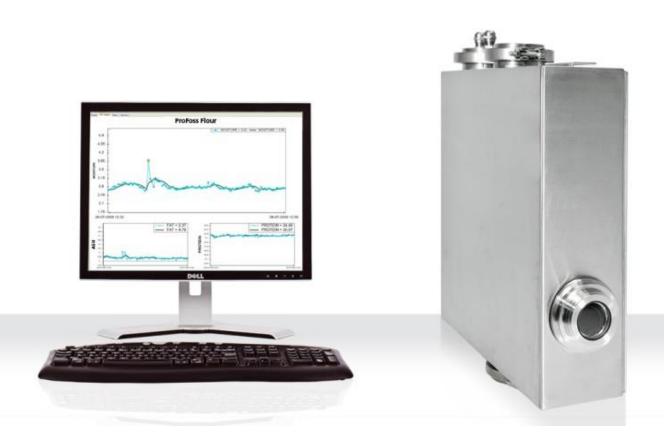
XDS Process Analytics Monochromator based

400 - 1100 nm

850 - 2100 nm







The easy way to get started with process analysis



- High Resolution Diode Array (High Accuracy)
 - Reflection 1100 1650 nm
 - Transmittance 850 1050 nm
- Internal reference (No drift)
- True in-line analysis (No bypass needed)
- Seamless transferrable calibrations (One calibration for multiple production lines)
- Intelligent calibration tool ISIcal™ (Allow non-experts to develop expert calibrations)
- Dual Lamp technology (No loss of uptime)
- Dedicated sample interfaces (Flexibility in choosing for the most optimal way to 'look' at a sample)

ProFoss – Dedicated solutions



ProFoss is delivered with

- ProFoss High Resolution Diode Array analyzer
- Dedicated sampling interfaces
- Starter calibrations
- Installation fittings and guidelines
- OPC data integration toolbox
- FossCare[™] total service partnership
- RINA™ remote instrument monitoring
- Guarantee on accuracy and process variation detection limit
- Clear description of installation/calibration/validation procedures
- Clear agreement on validation timeframe (4 to 5 weeks)

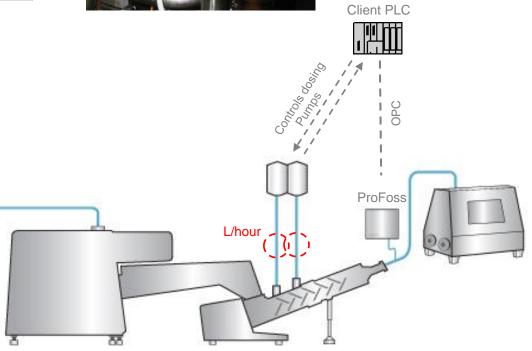
Butter FOSS

	Accuracy %	PVDL %
Moisture	0,046	0,015
Fat	0,044	0,015
Solids non fat	0,014	0,005
Salt		





Lateral transmittance flow cell



Milk powder FOSS

	Accuracy %	PVDL %
Moisture	0,1	0,03
Protein	0,27	0,08











Flour FOSS

	Accuracy %	PVDL %
Ash	0,04	0,0015
Protein	0,22	0,03
Moisture	0,13	0,01



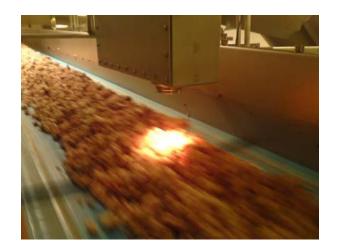


Window reflection

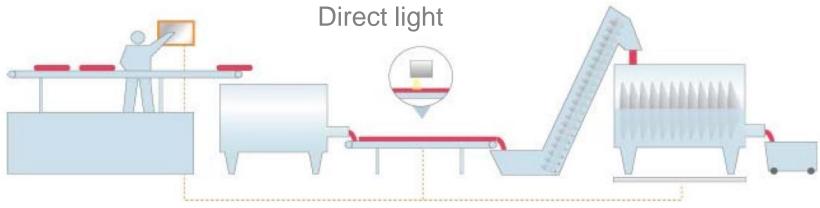
Ground meat



	Accuracy %	Batch accuracy S	%
Fat	1,3		0,5









- Wheat whole grain (moisture, protein)
- Greek yoghurt (total solids, fat, protein)
- Animal meal (moisture, fat, protein)
- Mechanically deboned meat (MDM)
- Feed (moisture, fat, protein, ...)
- Mozzarella (total Solids, protein, fat)
- Soymeal (moisture, fat, protein)
- Whey protein concentrate (WPC) (total Solids, protein, fat)
- Milk protein concentrate (MPC) (total Solids, protein, fat)
- Fresh cheese (total solids, fat, protein)

YES

BUT ALSO TAILOR MADE:

PROFOSS IS VERY EASY TO INSTALL
CALIBRATIONS ARE EASY TO DEVELOP
AND FOSS SPECIALISTS ARE READY
TO INVESTIGATE ANY APPLICATION
THAT COULD HELP STANDARDIZING
YOUR PRODUCT QUALITY



- Cocoa butter
- Chocolate
- Gluten
- Ground corn
- Fish meal
- Meat mix for pet food
- Nougat
- •

FT-IR ProcesScan

Examples:

- Cheese milk
- Powder milk
- Condensed milk
- Market milk
- Whey



THANK YOU FOR YOUR ATTENTION





Check out our website



www.foss.dk



