

ESTIMATED SAVINGS - INLINE BULK DENSITY SYSTEM & MOISTURE MEASUREMENT

Production capacity per extruder line		70.000 Tonne/year	
Sales cost of extruded product		700	€/Tonne
Operation costs	(Fixed and Variable costs)	85	€/Tonne
Rework (all raw materials recycled)	(Percentage of total operations costs)	5,00	% 297.500 €/year
Rework caused by Bulk Density	(Percentage of total rework costs)	15,00	% 44.625 €/year
Customer claims costs	(Percentage of total sales costs)	0,30	% 147.000 €/year
Customer claims caused by Bulk Density	(Percentage of total claim costs)	10,00	% 14.700 €/year
Present manual sampling, testing & analysis costs	(Percentage of total sales costs)	0,02	% 9.800 €/year
Operation cost for inline sampler	(Percentage of total sales costs)	0,01	% 2.450 €/year
Moisture increase in final product	(Annual sale x 100/1)	0,50	% 245.000 €/year
Total annual savings			311.675 €/year
Capital investment	(Purchasing price, shipment & installation)		65.000 €
Payback	(Capital investment/Savings x 12)		3 months
ROI (Return On Investment)	(Savings/Capital investment x 100)		480 %

