

ESTIMATED SAVINGS - INLINE BULK DENSITY SYSTEM

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
Total annual savings			66.675 €/year
Capital investment	(Purchasing price, shipment & installation)		45.000 €
Payback	(Capital investment/Savings x 12)		8 months
ROI (Return On Investment)	(Savings/Capital investment x 100)		148 %

