

ABOUT THIS DOCUMENT (1)

Fill one Data Sheet/Questionnaire for each AllScan in the specific project. This is the questionnaire for a **cement raw mill application**.
 [There is another equivalent document for a **cement stockpile application**]

The purpose of this document is to provide sufficient information in the proposal phase enabling RTI to configure the analyser, calculate the price and estimate the analytical performance data. **For the proposal phase only page 1 is required to fill in.**
 For order execution also complete pages 2 & 3 to provide RTI with the information required to supply a project specific analyser.

RTI SALES CHANNEL INFO

RTI Sales Eng./Agency Name		Date/Version	
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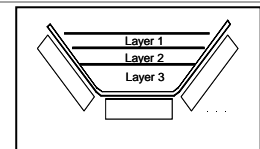
COMPANY DETAILS

Company Name	
Site Name & Location	
Contact Name	
Email Address	
Phone Number	

MATERIAL & KEY BELT DATA

Raw Mill Production Capacity [ton/hr]:	Belt width [mm]:	Nominal belt speed [m/sec]:
	Variable belt speed? YES NO	Range

Is there a transfer point on transport belts between analyser and raw mill feed inlet? YES: NO:
 Will analyser see layering of materials? YES: NO: Specify No of layers:
 Specify the raw materials and (if data available) the typical feed percentage for each material.
 If layered material occurs (no transfer point) list sequence must be: Mat 1 from the top, then Mat 2 etc.



Mat 1 ID	[%]	Mat 2 ID	[%]
Mat 3 ID	[%]	Mat 4 ID	[%]
Mat 5 ID	[%]	Mat 6 ID	[%]

In order to avoid layering, the analyser should be placed after a transfer point, between transport belts prior to the analyser. This is a **strong** recommendation for a raw mill application.

ANALYTICAL RANGES

- Mark the 'Tick Box' here to use **typical raw meal composition**. and skip filling in data in columns below.....
 Or fill in below the 'Minimum', 'Maximum' and 'Typical' columns for the **Raw meal composition**
 (For project execution: If layering exists (e.g. no belt transfer point) the Min, Max and Typical analytical values for each raw material must be provided in separate document(s). This data is not required for the submission of an equipment proposal only.)
 - As for moisture, please ensure that min/max covers seasonal variations.

%	Minimum	Maximum	Typical
SiO ₂			
Al ₂ O ₃			
Fe ₂ O ₃			
CaO			
MgO			
Na ₂ O			
K ₂ O			
SO ₃			
[Cl]			
-			
-			
-			
-			
Moisture			

Other Information of relevance for the sales phase (here include info on 3rd party raw mix optimizing software details/requirements):

NOTE: PHOTOS, PROCESS DIAGRAMS, FLOW CHARTS, ARRANGEMENT DRAWINGS ETC WILL BE EXTREMELY USEFUL FOR OUR EVALUATION

ABOUT THIS DOCUMENT (2)

For Order Execution also the 2nd & 3rd pages of the Data Sheet/Questionnaire must be filled-in to provide to RTI with the required information to manufacture a project specific analyser. **Please fill in all fields.**

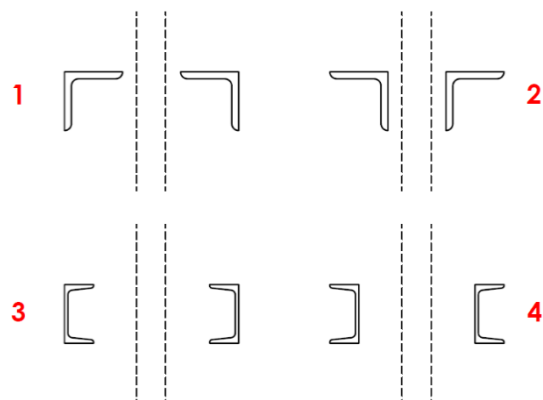
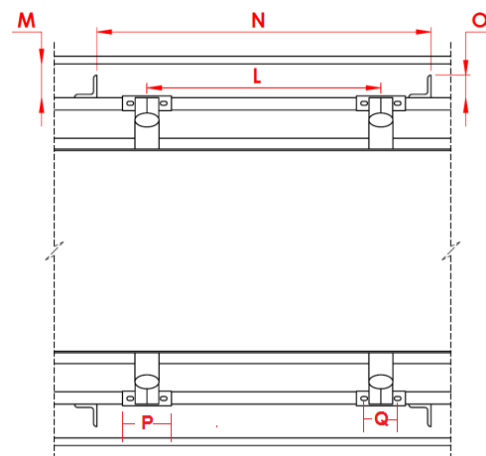
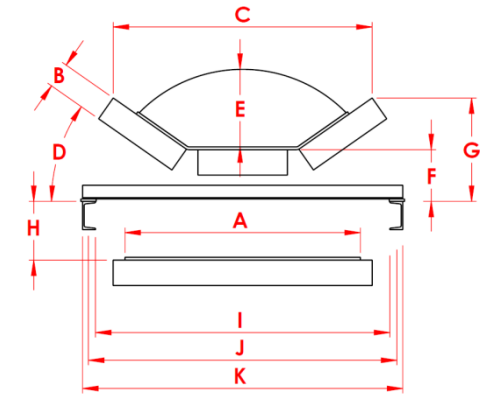
POWER

Supply Voltage available	240VAC:	115VAC:	Other?	Specify Other:
Supply Frequency	50Hz:	60Hz:	Is the supply power regulated?	YES: NO:

CONVEYOR DETAILS [please complete all fields – provide linear dimensions in mm]

Please provide photographs and drawings of conveyor and indicate the proposed location of the Analyser

Belt ID/Name	
Belt Speed (m/sec)	
Belt Width (A)	
Roller Diameter (B)	
Distance Across Roller Tips (C)	
Idler Trough Angle (D)	
Max Material Depth (E)	
Top of Centre Roller to Top of Stringer (F)	
Roller Tip to Top of Stringer (G)	
Distance between Return Belt & Top of Conveyor Stringer (H)	
Inside – Inside of Stringer (I)	
Idler Hole Centres (J)	
Outside / Outside of Stringer (K)	
Idler Pitch (L)	
Stringer to Nearest Existing Structure (M)	
Stringer Leg Pitch (N)	
Stringer Leg Width (O)	
Idler Mounting Foot, Width (P)	
Idler Foot, Hole Centres (Q)	
Stringer Beam Type (1/2/3/4) Cross section	1L. 1R. 2L. 2R.
Conveyor Support Beam / Orientation.	3L. 3R. 4L. 4R
If 'Other' please specify	
Steel Cord Belt	YES: NO:
Desired location of control cabinet when viewed in direction of belt travel	Left Side: Right Side:
Distance from nearest corner of analyser frame to the proposed position of the control cabinet	
Belt Weigher TPH available?	
Belt Weigher Location, relative to proposed analyser location; Upstream or Downstream	Up: Down: Distance: M
Type of Idler Frame	
No. of Rollers / Idler Frame	3 Rollers: 5 Rollers: Other:
Roller Troughing Angles	Angle 1: Angle 2:
Can the current conveyor structure support the analyser (approximately 1500 kg over 1.9 m)	YES NO



There are four (4) mounting points for the AllScan Analyser, one at each corner of the analyser. Two per conveyor beam, 1.9 metres apart. I.e. Point Loadings Approx. 380 Kg

Conveyor Support Frame Type	Channel:	Truss:	Cable:	Slider Bed:	Other:	Specify Other:
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ZONING / SAMPLING PROVISION			
Analyser in Hazardous Zone?	YES:	NO:	Hazardous Zone Classification
Position of items that run alongside the conveyor stringers? e.g. water/gas pipe, cable tray, emergency pull cable, etc.	Details:		
Is a mechanical Auto Sampler installed on this belt?	YES:	NO:	(If "YES" please answer questions below)
Type of Sampler	Location of Sampler	Distance from Analyser (metres)	Estimated time lag (seconds)
ENVIRONMENTAL CONDITIONS			
Minimum Temp at Analyser location	Degs C	No: 3/4G wireless signal bars, best signal on site	
Maximum Temp at Analyser Location	Degs C	No: 3/4G wireless signal bars, at Analyser location	
ADDITIONAL DETAILS REQUIRED			
Where is the analyser to be located?	Above Ground: Below Ground:	Indoors: Outdoors:	Covered Belt & Walkway: YES: NO: Belt Roofing only: YES: NO:
Are there any obstructions or metal structures beneath the analyser or between Stringers?	YES: NO:	Describe Obstructions:	
Does the AllScan Analyser need its own support structure? Please add description	YES: NO:	Provide details:	
Is the desired location accessible by crane for installation?	YES: NO:	Any access limitations:	
Will people have access to the area beneath the analyser install location?	YES: NO:	If "Yes", how close can people be to the bottom of the conveyer. Distance [m]:	
Is there any structure that needs to be removed, for the analyser to be installed?	YES: NO:	Provide description:	
Does the conveyer belt contain Chlorine (Cl)?	YES: NO:	If answering "Yes" to Chlorine content, please specify the percentage Cl: %Cl	
Brand/type/model of plant control system	Details Please:		
Other Information:			

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