QUESTIONNAIRE FOR BELT WEIGHER

1 Customer
a) Company___________________________
b) Address________________________________
c) Contact ____________________________
d) Title_______________________________
e) Phone _____________________________
f) Fax _______________________________
g) Email _____________________________
h) Installation Location__________________

2 Material
a) Name _____________________________
b) Max. Particle Size ___________________
c) Bulk Density (kg/m³) _______________
d) Characteristics
  High Temperature ___________________
  Sticky _____________________________
  Corrosive __________________________
  Hazardous Area _____________________
  Other _____________________________

3 Conveyor Data
a) Flowrate (tonnes per hour)
   Maximum N _______________
   Normal _________________________
   Minimum ________________________
b) Belt Loading
   Uniform __________________________
   Erratic ___________________________
   Surge Bin ________________________
   Screw ___________________________
   Elevator __________________________
   Crusher __________________________
   Other _____________________________

4 Belt Specification
a) Width (mm) BW _______________
b) Length (m) circumferal length _______________
c) Belt Thickness (mm) BT _______________
d) Belt Speed Vb _______________
e) Does speed vary? _______________
   If yes, over what range _______________

5 Dimensions

6 Idlers
a) Make _____________________________
b) Model or type________________________
   Dimensional data
   Roller diameter (OD) L _______________
   Outside roller length M _______________
   Centre roller length N _______________
   Idler Offset (if applicable) O _______________
   Idler spacing, centre to centre A _______________

BW10 Questionnaire New EMC INDUSTRIAL GROUP LTD
7 Stringers
   a) Shape
      Channel __________________________
      Angle ___________________________
      Other ____________________________
   b) Size ____________________________

8 General Arrangement
   a) Choose 1, 2, 3 or 4 from above or attach sketch or drawing of conveyor layout.
   b) Proposed location of belt scale with respect to loading point.
      (distance in m) ______________________
   c) Conveyor dimensions
      Conveyor length P ___________
      Conveyor part length Q ___________
      Drum diameter R ___________
      Conveyor incline (deg) S ___________
      Does incline change? _______________
   d) Can scale be installed in a section of the conveyor free of all belt disturbances
      having three fixed idlers on both sides of the weigh idlers? ________________
   e) Is the conveyor a new installation or an existing one? _______________________
   f) Distance from belt weigher to processor? ________________________________

9 Belt Weigher Processor
   a) Instrumentation
      Instrument
      MWx95      MWx96*
      __________  __________
      Instrumentation only
      Weather proof field enclosure (outdoor) ___________
      Control room enclosure (indoor) ___________
      * MWx96 is for feed rate control
   c) List additional instrumentation
      Integrating counter ___________________
      Predetermining batch counter __________
      Chart recorder _______________________
      Printer _____________________________
      Remote flow rate indicator __________

10 Construction
   a) Specify requirements
      Powder coated steel (standard) __________
      Two pot epoxy coated steel ___________
      Galvanised frame with stainless steel fasteners ___________
      All stainless steel _________________

11 Select Operating Voltage/Freq.
   115 Vac ___ 120 Vac ___ 125 Vac ______
   220 Vac ___ 230 Vac ___ 240 Vac ______
   50 Hz _____ 60 Hz ______

12 Accuracy
   Select desired accuracy as percentage of delivered load
   ±0.5% or better ___ ±0.5 - 1%____
   ±1 - 2% ___ ±2 - 5%____
   within a flowrate from ______ t/h to ______ t/h.

   NOTE: Please attach drawings and other information where required.

   The data provided in this questionnaire is the basis for the design and manufacture of the belt weigher. It is the client’s responsibility to ensure that all information is correct.

   Client’s Signature __________________ Date __________
   EMC Engineering Manager __________________ Date __________