ecn automation

delivering agile value.

F-80 METER

Continuos monitoring of volume and rock size in conveyor belts.

SuiteMET® Optimización Metalúrgica

ecnautomation.com

F-80 METER

Analysis and monitoring system which by artificial vision defines the distribution of particle size in real time. It applies to conveyor belts in the process of trituration and grinding.

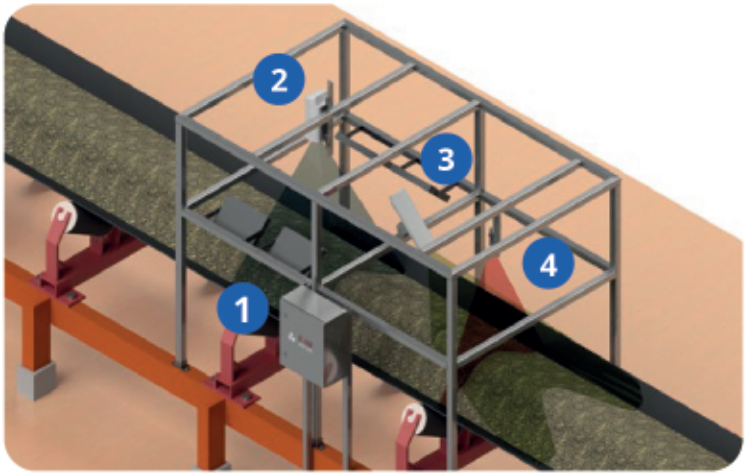
What does it delivers?

- Distribution curve of the particle size
- Efficiency curve of the screens in real time
- Statistic of process control
- Critical size detection

System modules:

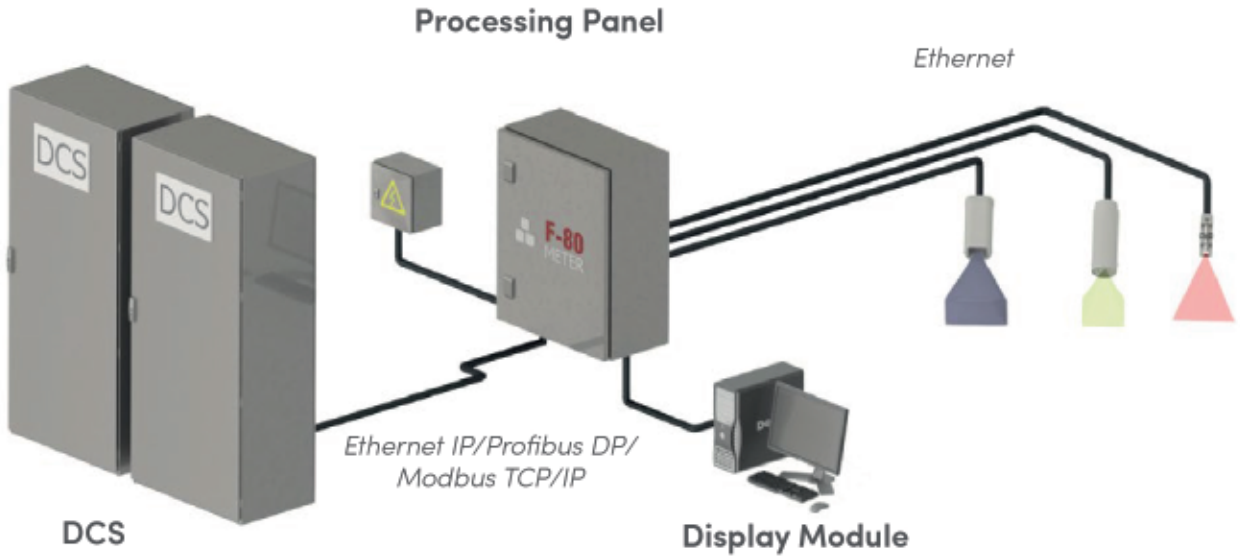
- Image acquisition module
- Processing module
- Advanced display module

System components:

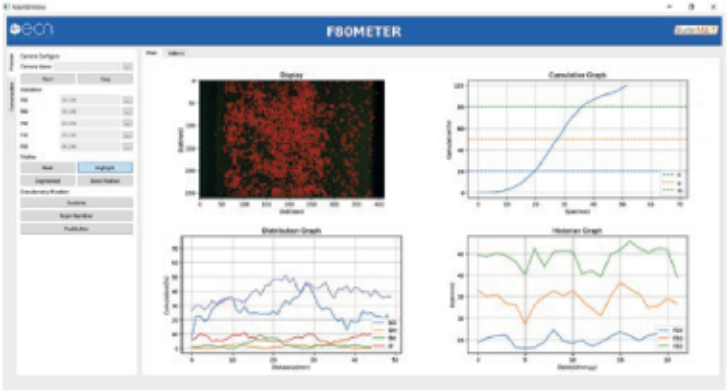


1. High perfomance processing system
2. Segmentation camera
3. Volumetry camera
4. Linear laser

Integration architecture:



Display Module:



System Benefits:

- Fine particle detection in a percentage higher than 10%
- Detection of granulometry fluctuations
- Keep an optimal particle size range to increase the efficiency in grinding process
- Optimization of trituration process and stabilization of circulating load through the right control of particle size
- Critical particle size detection
- Communication to control room through DCS integration

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