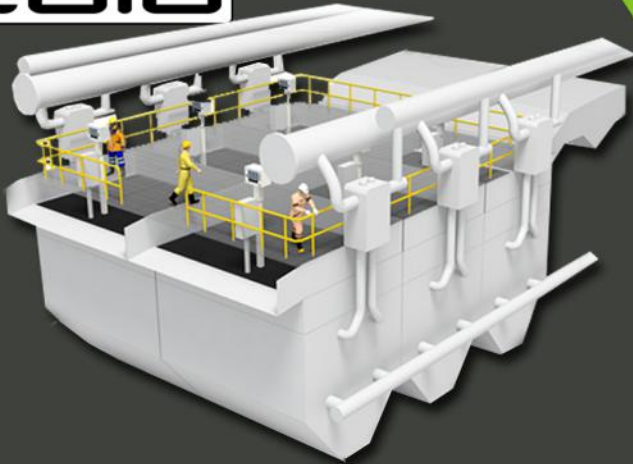


BOSS 2010

Jig system controlling

**BOSS
2010**



Maximising production
of concentrate
with a limit of
carbon loses
in waste

- possibility to develop of system structure on the basis of compartmental or through controls
 - adapt visualisation of working machine to object
 - cooperation with hydraulic and pneumatic drive positioners, ash meters, conveyor scales, flow meters and jig MPN meters to control upper product quality
- the ability to implement steering algorithms to the most known hardware platforms, such as SIEMENS, WAGO, GE Automation & Controls, Horner



BOSS 2010

Jig System Controlling

TECHNICAL DATA

- ✓ Working conditions
 - ambient temperature
 - relative humidity at 40°C
 - atmospheric pressure
- ✓ Scope of application
- ✓ Operating elements supply
- ✓ Method of control reception products
- ✓ Adjustment of saddle loosening
- ✓ Controlling the width of the waste bleeding gap
- ✓ Threshold slide position control (optional)
- ✓ Lower water quantity control
- ✓ Control of the amount of working air
- ✓ Prevention of bed rinsing after loss of feed
- ✓ Monitoring the process status and signaling emergency states
- ✓ Synchronization of air pulsations
- ✓ Cooperation with external devices
- ✓ Casing protection degree:
 - the control cabinet
 - technological controller of the jig node
 - compartment controller (troughs)
- ✓ Upper product quality stabilization

5°C-40°C
 max. 90%
 700-1060 hPa
 pulverized fine and grain jiggers
 compressed air in class 5.4.3 according to PN-ISO 8573-1 or hydraulic oil
 mechanically independent positioned drives
 automatic
 automatic
 automatic
 automatic, individually for each of working compartments or jointly for troughs
 automatically, individually for everyone from working compartments
 automatic
 superior control system, computer supervisory stand, control panel, controllers compartments
 for one or two machine troughs
 digital connections for ash meters, flow meters, analogue inputs for working pressure sensors, control pressure sensors, analog signals up to blower and coal feeder efficiency control, bucket conveyor efficiency, cooperation with superior control system

IP 54
 IP 65
 IP 65
 regulators adapted to cooperate with MPN meter

The BOSS 2010 system is designed to control the operation of the pulse jiger. The control applies to both enrichment products collection systems and other devices included in the jig node. It is adapted to the executive elements both pneumatic and hydraulic.

Three-compartment trough with hydraulic control



Two-compartment trough with pneumatic control

