Bulk Density Measurement of Stamp Charge Coal Cakes

**WHY IS IT REQUIRED?**
- ✔ Bulk Density (BD) is a critical parameter for Quality of Coke produced and Efficiency of Coking Operation.
- ✔ High BD may lead to stuck-up condition of coke oven.
- ✔ Low BD may lead to reduced efficiency of coking operation.
- ✔ Online bulk density measurement will enable optimal control of stamping process.

**HOW IT WORKS**
- ✔ Patented sensors for Bulk Density measurement of stamp charge coal cakes.
- ✔ High measurement accuracy of >95%.
- ✔ Sensor Array systems enables Bulk Density profile of coal cake.

**WHAT IT DELIVERS**
- ✔ Online BD profile for fine tuning stamping process in SCP machine.
- ✔ Aids in prevention of capital damage to ovens due to excessive swelling of coal cake.
- ✔ Aids in enhancing coke oven efficiency by optimizing coal charge.

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