BEST PRACTICE

LOCATION:	**Laboratory**	**ARTICLE YEAR**	**2024**
ACTIVITY:	**Production and Processing**	**COMPANY:**	**Blue Phoenix**
SUB ACTIVITY:	**Cement production**	**COMPANY LOCATION:**	**IBA Plant, Ferrybridge Power Station**
BEST PRACTICE No:	**BP2231**	**COMPANY TEL:**	**0000**
COUNTRY OF ORIGIN:			

TITLE

Mini sample crusher - Sampling non-ferrous metals 202425

ARTICLE

Blue Phoenix recover Non-Ferrous metals from IBA and sample tests are necessary to ensure product quality. Previously, a hand-held hammer was used when carrying out the sample test, a process that needed refining.

A Mini Crusher was designed and built ensuring all risks were removed or controlled and best practice used. The design, fabrication, review of the RAMS and implementation of the Mini Crusher involved all levels of management, staff and external businesses.

Specific site personnel were trained to use it and a toolbox talk was distributed to all sites within the business, with the Mini Crusher being implemented throughout the business/group.

Please see additional pdf for details of the design process

The safety features of the Mini Crusher include an isolator, air fed dust mask when in use to protect the operator, and the door being secured with bolts to prevent the operator coming into contact with moving parts. It can be isolated to prevent use by unauthorized personnel.

The use of the Mini Crusher

- Is safer, more consistent and specific to the job.
- It has advanced the sampling procedure of non-ferrous metals and has prevented manual handling issues and injuries.
- Associated Risk Assessments and Method Statements implemented by each site ensures it is operated in a safe and controlled manner. These are reviewed on an annual basis or unless things change.
- Significantly helps to prevent injury when completing sampling tasks.
- Improves efficiency with the sampling of the non-ferrous material, enabling better recovery which in term increases profit.

ARTICLE IMAGES