

Effective SAFETY Solutions

WHERE

(04)

Company: Alcoa

Location: Avilés-Spain

Business: Primary

THE ISSUE

The cleaning of the tapping crucible lids was an uncomfortable and hazardous task because there was high risk of hand trapping and ergonomic risks during the transport and the cleaning operations (previously tapping crucible lid was cleaned on the floor). The tapping crucible lid weighs is high. This task is frequently repeated every day.

THE SOLUTION (additional level of protection put in place)

Type: (Technical ☒ - Procedures ☐ - Others ☐)

Description of key feature or change versus current conditions:

A turn over machine was designed in order to allow the operator places the tapping crucible lid with the overhead crane on a support from that the operator remove the tapping spout (with a specific hook and overhead crane). Then the operator turns over the lid with this new machine and doesn't make any effort to move it (the machine is automatic). Then the cleaning work is done from an ergonomic position.

PICTURES (if applicable) or ADDITIONAL INFO



SAFETY BENEFITS – pros/cons

- The possibility of hand trapping is eliminated.
- The ergonomic risks are eliminated.

IMPLEMENTATION COST (12 k€) AS APPLICABLE