



Automatic drum lidders

Automatic drum lidders are used for the lidding and unlidding of waste drums when the manual lidding and unlidding of these drums may not be possible due to high dose rates at the drum.



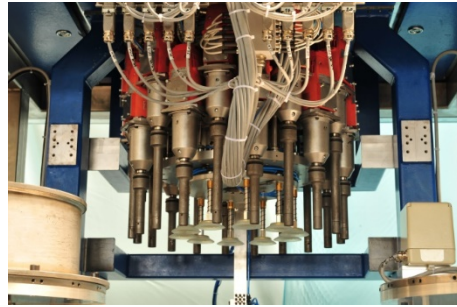
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Equipment

The first task of the drum lidders is to loosen the screw connections with the aid of permanently in-stalled screwdrivers and then to lift the lid. The drum can now be transported for further treatment (e.g. cementing or drying). After completion of the respective work steps, the drum is moved back to the drum lifter and automatically lidded. Depending on the requirements, lidding and unlidding can be fully automated, semi-automated or manually controlled. For safe operation of the drum lifter, various sensors detect the exact position of the drum, the screws in the lid and the screw holes in the

drum. If necessary, this information can be used to adjust the position of the console with the screwdrivers (e.g. turning the console to position the screwdrivers directly above the screws in the lid).



Scope of services

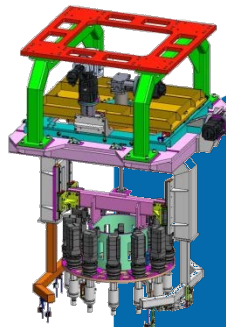
- Concept, design and licensing planning
- Basic and detail engineering including 3D planning
- Construction and manufacturing planning
- Material procurement
- Manufacturing, delivery and assembly
- Commissioning and staff training
- Quality assurance and final documentation

Additional equipment/design

- Transport trolleys, roller conveyors or lifting devices for the drum
- Integration of an interchangeable lid system
- Electrical, control and measurement technology
- Plant control and monitoring
- Transport trolleys, roller conveyors or
- Lifting devices for the waste drums

References

- Drum lidding station for 200 l drums at NPP Greifswald
- Conversion of the cementing equipment incl. delivery of a drum lidding machine at Qinshan Nuclear Power Plant - China



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