

Reliable Cleaning of Recovery Boiler Smelt Spouts

Spout robot



Our Spout robot efficiently removes smelt deposits from recovery boiler smelt spouts in a carefully designed sequence. The spout rodder ensures stable smelt flow, optimum cleaning and trouble free, safe boiler operation.

The robot will keep your smelt spouts clean, saving you time and money.

Easily integrated in any spout area

Our spout robot system is designed to be easily integrated in any spout area: all components – robot, tools, safety enclosure – work together as a complete system to give optimum boiler operation. Actual design will change depending on customer needs.

The robot is available in standard sizes to suit any smelt spout layout, and behavior is designed to fit the specific boiler operation. The robot is also available with a range of advanced options.

Service includes

- Layout and positioning
- Installation
- Safety system
- Safety enclosure
- Start up
- Operator training
- Maintenance crew training
- Spout cleaning methods
- Control unit
- Cleaning program



Benefits

Personnel safety

No need of personnel near smelt spouts

Simple and safe to install

Just hang the support gantry on the boiler and identify the spouts to the robot

Persistent

24 hours careful cleaning

Splendid observation

Cameras from robot tip too area coverage

Reliable

Long life and care free operation

Saves money

Cleans spouts regardless of operator workload

References

- UPM Kymmene, Finland 2008
- UBE Castellon, Spain 2009
- Smurfit Kappa Kraftliner, Sweden 2010
- Södra Cell Mörrum, Sweden 2011
- UBE Chemicals PCL, Thailand 2012
- Mondi's Ružomberok, Slovak Republic, 2014
- Mondi's Swiecie, Poland, 2015*



* To be installed 2015.