

The Future is Manless®
Technology Protecting People

Meet the SandMan®

The Manipulator for
sandfilling at the ladle



Functions.

- Automated filling process of well filler sand
- Precise dosing
- Exact placement of sand
- Temperature measurement of ladle bottom
- Visual camera inspection
- Self standing control cabinet with data recording

Advantages.

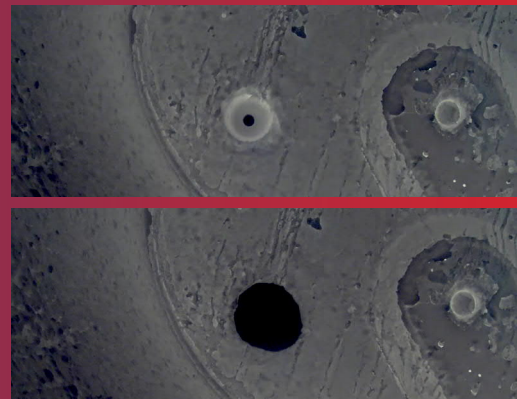
- Safe operation from pulpit
- No manual sand dropping → improved ergonomics
- Less sand consumption → BSW: 18 kg/107 t ladle
- Improved opening rates → no manual lancing → no loss of sequence → no downgrading
- Process standardization leads to higher efficiency → BSW: 99.3 % opening rate
- Optimized positioning & tracking
- Tracking and analysis of potential errors



Side view of the SandMan at BSW's hanging ladle



SandMan in filling position



Before and after filling – pictures from the integrated camera

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From Steelmaker to Steelmaker