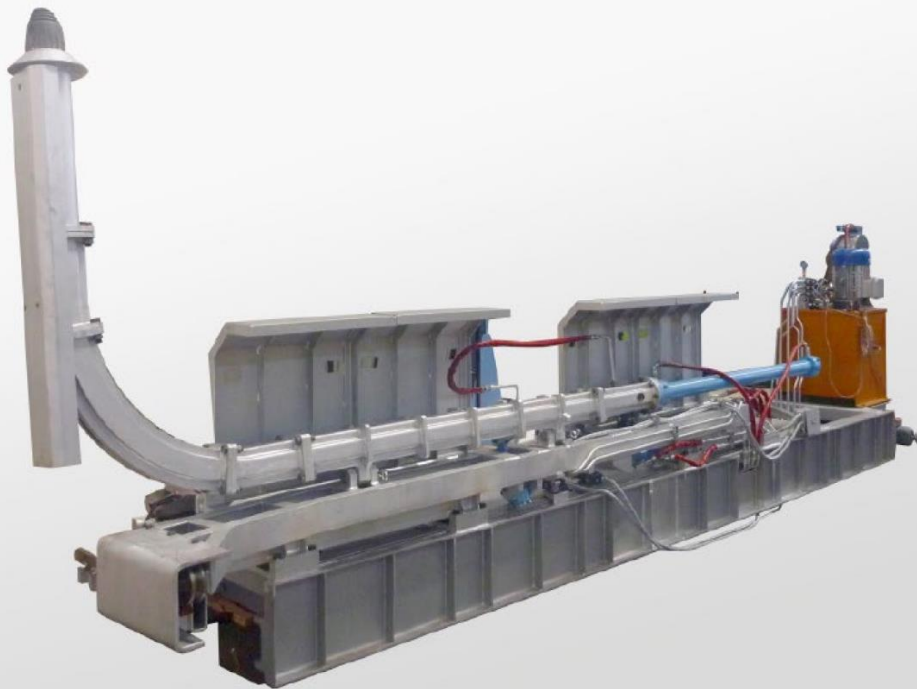


SafEBT- Clean AUTOMATIC EBT CLEANING

Increased operational safety and efficiency



Steelmaking Special Products

Via Udine 103
33017, Tarcento (UD) - Italy
Tel: +39 0432 799657

SafEBT-Clean

AUTOMATIC EBT CLEANING

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The eccentric bottom taphole (EBT) of an electric arc furnace needs frequent cleaning to keep it free from slag, skulls and other debris. Normally done manually, this has always been a dangerous, time-consuming operation. NO MORE. SMS Group has developed SafEBT-Clean, the robotic EBT cleaning tool for safe and efficient EBT cleaning.

Application

The SafEBT-Clean is an automatically controlled EBT cleaner. An operator monitors the cleaning process from the control room via cameras and steers the heavy-duty SafEBT-Clean robot through the potentially dangerous task of EBT cleaning.

- All movements – from the parked position to the working position and back, and insertion of cleaning drill head – are automatic
- Multiple cleaning cycles can be ordered
- SafEBT-Clean can be installed at any steel plant, either on the retractable EAF platform or other positions



SafEBT-Clean, automatic cleaning is safer

Ease of Use and Maintenance

- All cleaning movements are monitored by a video camera and displayed to the operator
- No manual operation required from the EBT balcony
- Completely electrical, to make it work is enough a plug where to connect the control board (hydraulic option available)

For best results

In combination with the SafEBT-Clean, we recommend our SafEBT-Tap device, SafEBT-Fill device (our sand-feeding system) and SMS automation controls that integrate our video monitoring set-up. Please contact us for more information.



SafEBT-Clean at work, in a dog-house installation

YOUR ADVANTAGES

- **Greater operational safety** – non-manned operation in dangerous locations
- **Shorter power-off times** thanks to the rapid, precise cleaning operations
- **Increased reliability** thanks to better and user friendly EBT cleaning practice

TECHNICAL DATA

Dimensions (approx.)	L 5000mm
	W 500mm
	H 2000mm
Pushing force	7000 kg at 140 bar
Cleaning stroke	2000mm
Cleaning cycle	About 2 minutes