

# **TEBULO** ROBOTICS



**DROSS REMOVING**

**FOR MAXIMUM LINE EFFICIENCY**

**CREATING ULTIMATE SOLUTIONS**

# Innovation that pays

## Benefits

- Improvement of safety
- Increases the end product quality
- 24/7 high performance
- Higher line speeds
- Improved pot equipment service life
- Automatic tool changing system
- Easy robot removal (flush floor)
- Significant zinc savings
- Allows integration in existing pots
- Dross bucket presence detection
- Dross bucket filling grade measurement
- Zinc sampling
- Adaptive to zinc level fluctuation

## CREATING ULTIMATE SOLUTIONS



**TEBULO**  
ROBOTICS

# DROSS REMOVING

## Safe working environment for your employees

Our dross removing system ensures a continuous and consistent availability of top dross removal.

By robotizing the dross removal, the operator is no longer exposed to the hazardous working environment.

## Guarantee the quality of your end product

By robotizing your dross removal process, we'll give you the 24/7 benefit to increase the quality of the end product by significantly reducing the number of dross counts.

The dross formed on the zinc surface is removed by controlled movements to avoid unnecessary turbulence in the zinc pot using a robot this is guaranteed.

Tebulo's variety of open parameters gives the possibility to make adjustments to the dross removal sequence.

## Robot actuated tool changer for ultimate dross removing

Our patented tool changing system is able to switch tools automatically without manual interference using solely the robot motions.

The tool changer is specially developed to operate in the rough zinc pot area and therefore does not contain any sensitive electrical or pneumatic parts.



Front side robot on fixed base



Front side robot with removal base



V side robot on motion track



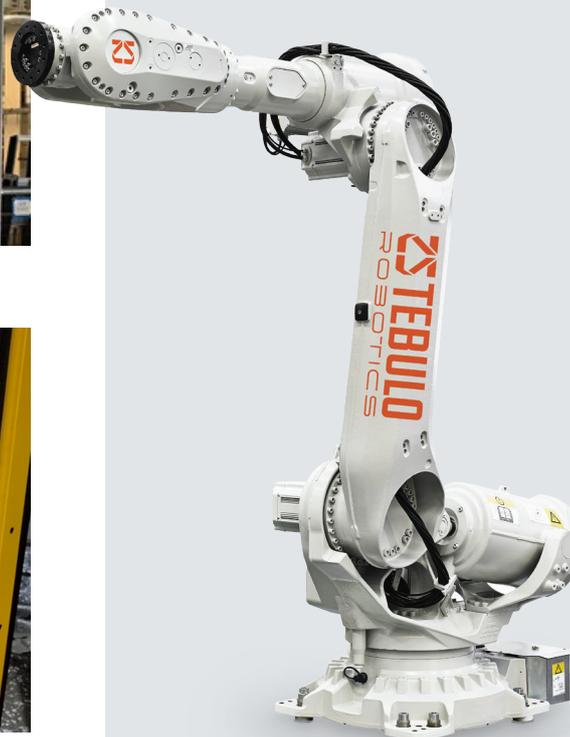
Rear side robot under snout

## Dross removing system package supply

- Robot
- Robot base
- Dross removal tool
- Zinc splash protection
- Control cabinets with PLC
- Interconnecting cabling
- HMI
- Anchoring and fasteners
- Commissioning and training
- Supplied according to CE-regulations
- Automatic tool changing system

## Optional automation features

- Zinc sampling
- Dross bucket presence detection
- Dross bucket filling grade detection
- Easy robot removal (flush floor)
- Pulpit HMI PC
- Other needs on request





# CREATING ULTIMATE SOLUTIONS

Tebulo Robotics specializes in the design and supply of innovative robotic solutions that operates under extreme conditions.

With our many years of experience, knowledge in technology and driving forward advancements in engineering and robotics, we are able to offer a wide range of superior solutions that accelerate industrial processes.

Tebulo Robotics creates high quality robot applications that are **the solution for making industrial processes faster, better, safer, cleaner and more productive.**



[www.tebulorobotics.com](http://www.tebulorobotics.com)

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