



Dross Skimming

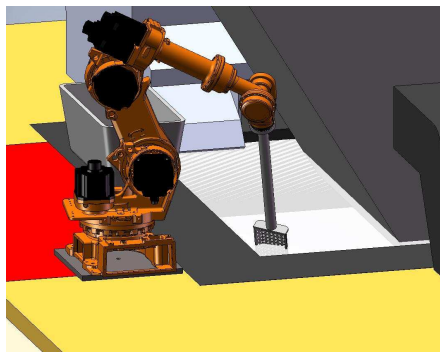
TEC Automation is a world-class supplier of robotic automation solutions.

We provide proof of concept, simulation, mechanical and electrical engineering, programming, assembly, run off, factory acceptance, training, installation and post installation service and support.

DROSS REMOVAL SYSTEM

DrossTEC is a pre-engineered mechanized dross removal system for galvanized steel and metal dipping applications.

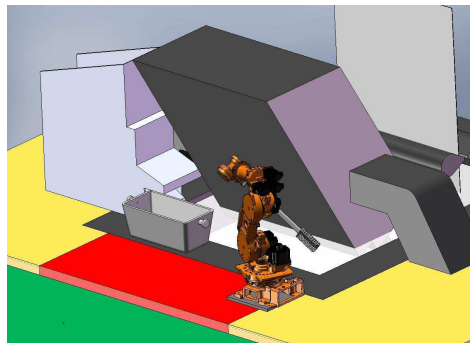
TEC supplies the complete robotic dross skimming system.



System layout using Solidworks 3D



Drossing with NACHI 6-axis robot



Site analysis for tight spaces

-----TEC Dross Skimming Products-----

- ✦ **Robots, controllers and accessories for safely skimming dross**
- ✦ **Gantry and overhead rail robots for special installations**
- ✦ **End-of-arm skimming tools of various lengths and spoon shapes**
- ✦ **Robot mounting baseplates and risers**
- ✦ **Safety barriers and safe access gates for adding new zinc and removing full dross molds**
- ✦ **Operators' control devices for local and for remote control**

-----Benefits of Robotic Dross Skimming-----

Programmed skimming routines – both timed interval and 'pushbutton on demand' eliminate excess dross layer build up and drossy streaks for better strip quality

Can be set up for multiple products – those with fast dross formation rates and those with less skimming requirements

Zinc recovery – since a very high percentage of the dross is zinc, TEC creates the robot routines to maximize the zinc recovery in the pot before the dross is placed in the dross mold – the robot is able to hold the spoon over the pot for much longer periods than a person

Improved safety and working conditions

Robot can be placed closer to the pot than a person cares to be - this robot allows the robot to access more of the pot area in many cases

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