

HOT DIP

GALVANIZING LINE

METAL MACHINE MANUFACTURER

MANUFACTURES MACHINES

T O M A K E

THE BEST OF

GALVANIZING

WHO WE ARE

Hot-Dip Galvanizing Line manufactures a different kind of high-quality hot-dip galvanizing machines with 57 years of experience. We provide optimal galvanizing services that exceed our clients project objectives.

ABOUT US

Our company has expertise mainly in the galvanizing plant manufacturing . We deliver effective corrosion protection solutions for steel structures that are guaranteed to last for a long time.

WHAT WE PROVIDE?



TURNKEY PROJECTS

Turnkey galvanizing lines are designed and produced according to costumers request.

- Design, manufacture and setup.
- High performance.
- On-time delivery



SURFACE TREATMENTS

The galvanizing process on the surfaces increases the performance of the raw material.

- More robust metals.
- Longer-lasting products.



ENVIRONMENTAL AND RECYCLING SYSTEMS

Reduce your costs with eco friendly projects.

- Environment- friendly production.
- Reduce costs thanks to recycling.



HOT DIP GALVANIZING PROCESS

Hot-dip galvanizing is the process of coating iron or steel with a protective layer of zinc, which provides tough and metallurgically bonded coating when immersing the metal in a bath of molten zinc at a temperature of around 449 °C (840 °F).

The image shows a large industrial facility, likely a galvanizing plant. In the foreground, there are large spools of wire. In the background, a worker in a hard hat is visible near a large piece of machinery. The image is split diagonally, with a blue tint on the left and a green tint on the right.

WE ARE
manufacturing
galvanizing
machines and
WE OFFER TURNKEY
galvanizing lines

MACHINERY

HOT DIP GALVANIZING MACHINERY

Zinc is the base material of hot-dip galvanizing which only reacts on the chemically clean surface. The crystallized pattern appeared on the surface after the galvanizing process is called as a spangle. Hot-dip galvanizing may protect the material from corrosion for up to 40 years.





ACID ROOM ENCLOSURE

The waste gases in the closed acid chamber are sucked through the orifices on the side of the closing part and exhaust gases pass from the duct to the gas scrubber.



BAGHOUSE FILTER

A baghouse filter is an air pollution control device designed to filter dust. Dust-laden gas enters the baghouse compartment, larger particles are dropped out into the hopper, and then smaller particles are collected the filter bags. Finally, clean gas passes through the filter element.





CONVEYOR TRANSFER SYSTEM

Conveyor Transfer System has the capability to move the material through the galvanizing production line. This system consists of various horizontal and vertical transport devices with the roller chains, post lifters, and etc.

LOADING AND OFF -LOADING STATION

For an easy and fast operation, we provide the Mobile Loading and Unloading Units to dive and pull out the materials.





SURFACE TREATMENT TANK

Degreasing, Pickling, Rinsing, Fluxing, Galvanizing and Quench tanks are the most used containers while hot-dip galvanizing bath. The steel is immersed in these tanks respectively and surface treatment process starts.



WASTE GAS WASHING SYSTEM

Fan capacities are calculated by the size of the droplets in the washed waste gas. The scrubber is made of acid-resistant polypropylene or HDPE material. The gas washing control is operated by program control.





CHEMICAL PUMP

Chemical pumps are mainly used for transferring and metering various chemical liquids from one kettle directly to another. The capacity of these pumps depends on the amount of the fluids.



DRYING UNIT

Wet parts of the steel become dry in drying ovens.
Drying Unit requires extra burners to allow its
correct functioning.





GALVANIZING FURNACE and KETTLE

Galvanizing Furnace with Kettle is an enclosed machine in which the material is heated to a high temperature. Heating can be affected by natural gas, oil, and electrical heating.



HEAT EXCHANGER

Heat Exchanger is a device that allows heat to pass from a fluid to another. But two fluids don't mix. The heat energy is transferred from the hotter medium to the colder one through the plate between the channels.





HELPING EQUIPMENT

Helping Equipment is an auxiliary machine for successful galvanizing operation. It consists of overhead cranes, centrifuge machines and etc.



TRANSFER CAR

Transfer Car provides the moving of load between parallel conveyor lanes. It gives you an opportunity for integrating storage and sequencing.



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