Process Tanks for Metal Finishing Industries

PLAST WORLD®

ISO 9001:2015 COMPANY

We offers....

- Pickling Tanks & Plants
- Galvanizing Plants
- Pre-Treatment Tanks for Galvanizing Plants
- Acid Fume Extraction Systems
- White Fume Extraction System for Zinc Kattle
- Acid Storage Tank

www.picklingtank.com



ABOUT US

INFRASTRUCTURE

QUALITY

MISSION

INDUSTRIES WE CATER TO

PLAST WORLD manufacturing custom plastic equipment for many applications, including surface treatment of Hot Dip Galvanizing for Angle-Channel Power Transmission Tower,High mast Poles,Gratings,Crash Barrier S.S.Pipe,Tube, plate, wire etc…Plast World is dedicated to engineering and manufacturing the highest quality Thermoplastic Process Equipment for the Metal Finishing industries. Our philosophy is to attract customers in our market and retain them by providing them the best return on their equipment.



PLAST WORLD is Partnership company under the supervision of two partners **Mr. Nilesh Gohil and Mr. Ritesh Gajjar**

We own an outstanding premises at Ahmedabad – the industrial hub of Western India. Covering an area of 75000 sq.ft our manufacturing unit are well equipped with facilities for designing, production and quality control leading to flawless and timely production.



We believe in serving our clients with quality products and hence stringent quality checks are conducted at each stage of production. Tests on various parameters like comprehensive strength, flexural, impact and tensile strength are conducted to deliver impeccable products. Inspection and testing forms an integral part of our production process



We work to provide best value for money and continuously work towards productivity enhancement, technological up gradation and cost competitiveness. We aspire for a safe environment through advanced technology and dream for a healthy future.



Ensuring high output our range of Pickling Tank and Air Pollution Control equipment are widely appreciated for their unique features.

- Hot Dip Galvanizing plants
- Stainless Steel Pipe & Tubes
- Anodizing Plants
- Electroplating/ Plating plants
- And many General Pickling Application

To our customers, we are the definitive 'go-to' guys. They know what they want from their plastic equipment, and we provide them the ways to achieve their goals.



is Expertise

Welcome to the World of Leading Technology of Pickling Tanks, Plants, Equipments and Fume Exhaust System

- Planning and construction of complete pickling plants/Galvanizing plant with fume exhaust system.
- Robust design of tank made out polypropylene (co-polymer).
- For hydrochloric and nitric hydrofluoric acid media.
- Pickling/Galvanizing plant meets stringent environment condition and work to the principle.
- Environment friendly fume extraction design, avoiding corrosion of steel construction cranes and roof structure.
- Tank made from homopolymer A.P. and welded with state-art hot gas extrusion welding process and stress relived.
- P. P. tanks available in flat pack modules (reduced volume).
- 100% leak proof welding
- Tanks made for strip & wires picking and other pre and post treatment of iron, Stainless steel and non ferrous metals.
- Heating and circulating system available.
- Fume free work place. Corrosion free passivation tanks.
- Export inquires solicited.



- Consultation
- Customer design
- Engineering
- Quality assurance
- Autocad
- Free quotes
- Automatic Bending
- Logistics
- Material handling
- International expertise
- Emergency
- Fabrications
- Emergency field service
- Confined space
- On-site inspections
- Spares parts
- Technical know how





KNOW AS

- Pickling tank
- Galvanizing tank
- Plastic tank
- Tank
- Pickling tank for galvanizing plant
- Passivation tank
- Degreasing tank
- Electroplating tank
- Treatment tank
- Etching tank
- Effluent tank
- Pre & post treatment tank
- Anodizing and other acidic process
- PCB plating
- Fibreglass tank
- Pickling tank for S.S.
- Wire rod
- Picking tank for S.S. strip
- Chomate tank
- Developing tank
- Anodising tank
- Chemical tank
- Auxilary process tank
- 7 tank process plant
- Acid tank / Vessel
- Reaction tank / Vessel
- Storage tank

Fume Extraction System for Acid Tank







Fume Extrusion System for

- Hot dip galvanizing plants
- Pipe pickling plants
- Stainless steel pickling plants
- Coil pickling lines
- Electroplating / Anodizing plants
- White fume extraction system
- Surface Treatment plants
- Metal finishing industries
- Wire pickling lines
- White fume extraction for zinc kattle





Scrubbing Unit Advantages

- Increased productivity
- Low production cost
- Stop corrosion of crane & roof structure
- Better safety
- fumes are condensed and recycled
- Optimizing material use
- As per emission regulations
- Clean working area (Surrounding) good housekeeping
- Ensure hygienic working atmosphere
- High employees acceptance
- Reducing waste disposal





- Trun - key execution of system extraction of corrosive fumes and gases from pickling tanks and zinc cattle.
- We supplies a range of different plants designed for HCL, H2SO4; HF, HNO3 and mixed acids.
- High separation efficiencies of 1 micron particulate and gaseous emission are achievable.
- Customized process equipment for metal finishing industries.













Zinc White Fume Extraction System

Zinc White Fume Extraction System Advantages

- Fume extraction systems are essential safety measure to many industrial Hot Dip Galvanizers. Effective extraction both or smoke and fume is absolutely vital, not only for workers safety, but for optimum productivity too.
- PLAST WORLD fume extraction systems are introduced with LIP TYPE LATERAL DUCTING placed on the edge of zinc kettle. Fumes generated during dipping is sucked thru lip ducting by centrifugal fan which delivers fumes thru scrubbing unit for neutralizing and clean air is released to the chimney. System made out of corrosion resistant thermoplastic construction for long lasting in field operation.
- Our commitment and ability to solve air pollution problems have made us the innovative leader in the field of hot dip galvanizing industries.
- All components are made from corrosion – resistant Thermoplastic material.
- Scrubbing the exhaust air prevents the release of aggressive and harmful vapors into the environment. PLASTWORLD supplies maximum Achievable Control Technique (MACT) in compliance to emission regulatory agency











Unique Design Feature for High Efficiency Suction

- Full Enclosure Type
- Lip Type Lateral Suction Ducting

Our Scope of Service and Supplies

- General Plant Layout.
- Delivery of the main components i.e. pickling tanks, heat exchange for all tanks, encapsulation, fume extraction and treatment system.
- Erection supervision and start up
- Operating guide line and training of the personnel
- Technical assistance after commissioning



Advantages

- Safety to workers and staff
- Protection to production equipment
- Maintaining working area clean
- Increased productivity
- Hygienic working atmosphere
- As per emission regulation
- Reduced risk of accident
- Better visibility in galvanizing shop
- Prevention of unpleasant odors











Photo Gallery





Photo Gallery





Photo Gallery










Photo Gallery








Photo Gallery

















Photo Gallery







Photo Gallery





Photo Gallery









Photo Gallery







Photo Gallery



KP Green 14x3.2x3.8 Mtr.







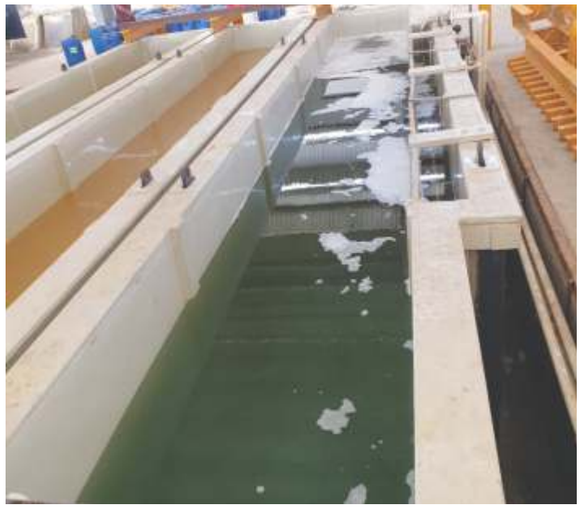

Photo Gallery



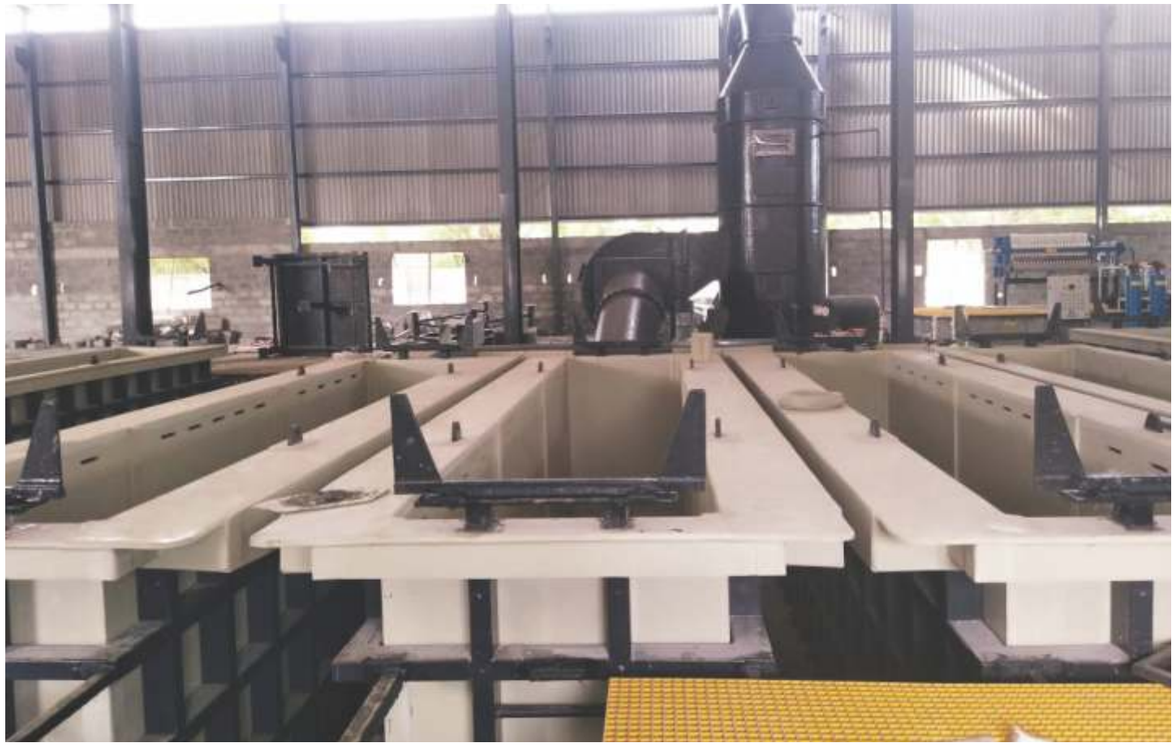

Photo Gallery







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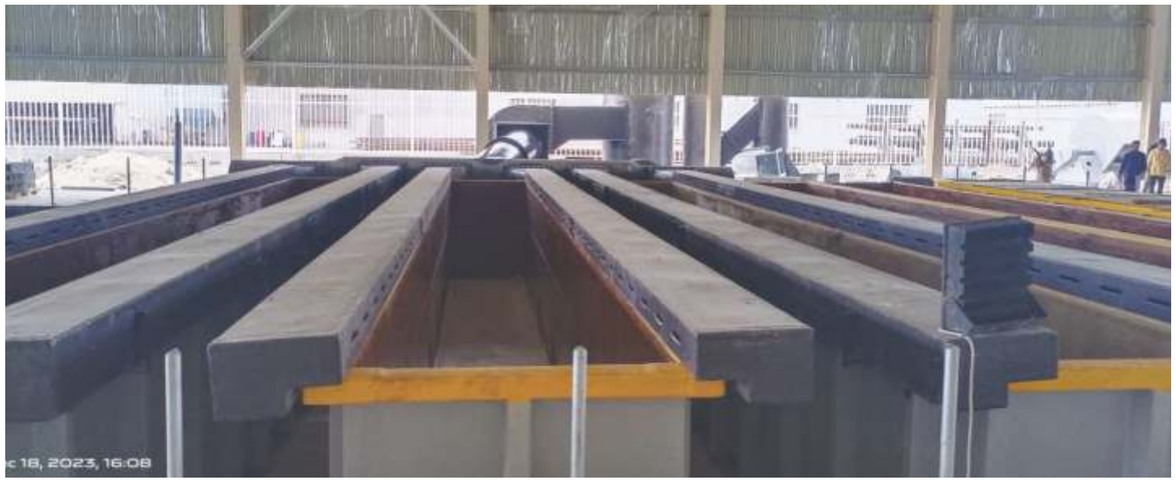

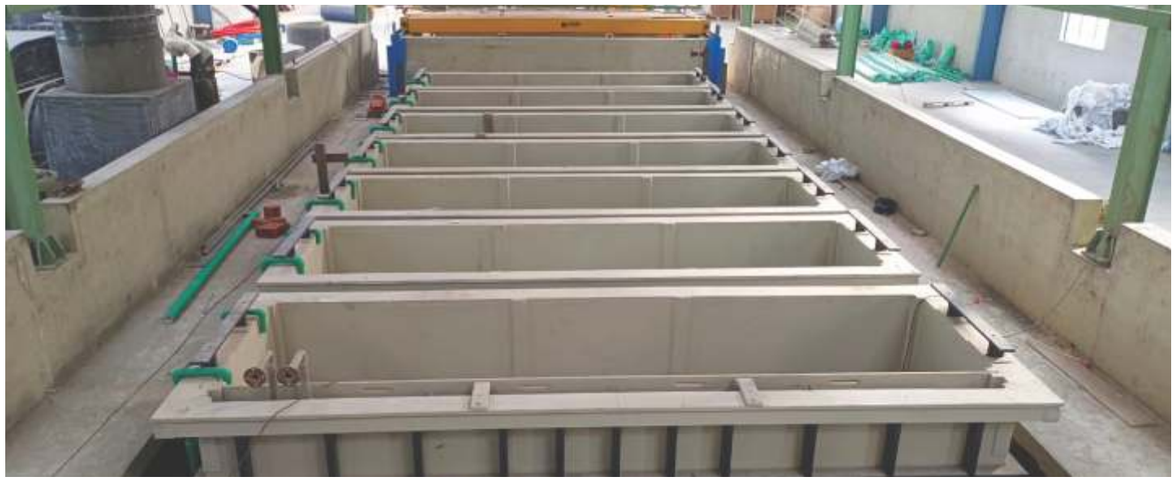





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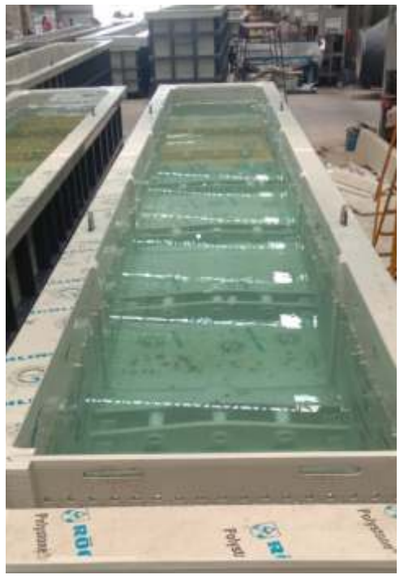




Acid Storage Tank

We have the in-house capability of producing corrosion resistant all thermoplastic vertical, cylindrical horizontal, rectangular and spherical chemical and acid storage tanks. These are manufactured polypropylene and high density polyethylene and high with fibre glass reinforcement capacity up to 100KL. All our thermoplastic chemical storage tanks & vessels provided a true alternative to traditional lined metal vessels for the storage and processing of corrosive solutions. These tanks are designed and fabricated as per BS4994/IS 10661. These tanks are widely used for the storage of acids. alkalies and corrosive chemicals.









Welding Technology

Revolution in Plastic Welding Technology

We introduce our selves in manufacturing pickling tank out of P. P., PVC, HDPE, by hot gas extrusion welding technology.

HOT gas extrusion welding technology is currently used in AMERICA and Europe for purpose of fabrication and welding for improved performance in welding efficiency adn enhanced corrosion resistance and life of welding joints.

Welding results have shown zero failure and found reliable joining system, extrusion welding used for thick wall plastic where it is necessary to lay down large volumes and homogeneous seams. Such fabricated and welding chemical tanks not corroded by aggressive they not affected by exposure to aggressive environment.

But Fusion Welding Machine



World class state-0f-the -art butt surface fusion technology for manufacturing of polypropylene pickling tank.

Polypropylene tanks are designed on special program module being introduced to India by **Plast World.**

PP Tanks are welded as per standard DVS 2207 laid down by German welding.





Introducing

1st

Time in India



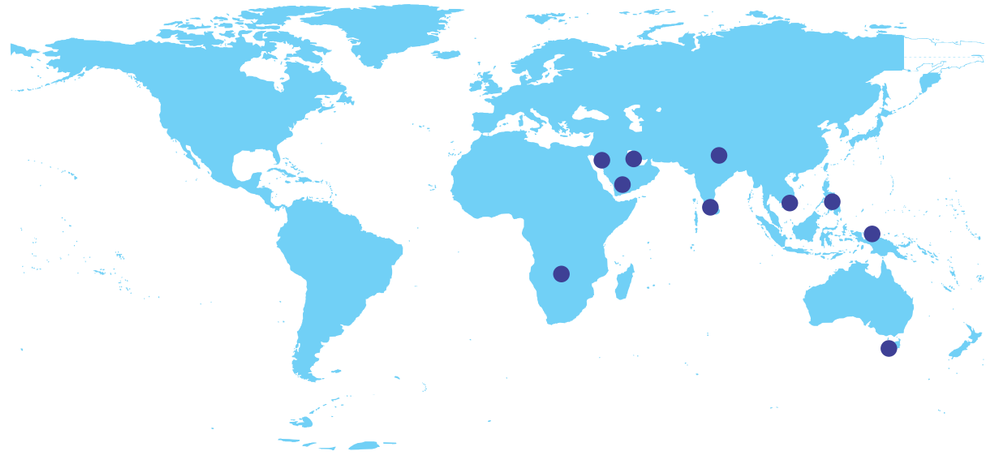




Global Foot Print

Overseas

- Africa
- Australia
- Indonesia
- Iraq
- Malaysia
- Nepal
- Phillipience
- Saudi Arebia
- Srilanka
- U.A.E.



Proud Supplier of more than
360 GALVANIZING PLANTS all over the World

Clientele

KEC International Limited
Kalpa-Taru Power Transmission Limited
Skipper Limited
valmont Structures
Jyoti Structures Limited
Larsen & Toubro
Tata Projects Simplify.Create
Super Galvanising
Indiana
Kingfield
Ganges Internationale
Nandan Steels & Power Limited
Aster Dependable Services
Technocraft Industries India Ltd.
Bukaka
Sanvijay
TTP Technologies
unitech
Hi-Tech
Lysaght Taperline Poles
KP Green Engineering Limited
R.S. Infraprojects Pvt. Ltd.
Goodluck
Zamil Steel
Utkarsh
Salasar Techno Engineering Ltd
All Metals Industries LLC
aic
Vijay Transmission Pvt. Ltd.
Technocraft Industries India Ltd.
Union Industries L.L.C.
Karamtara
Transrail
Ratnamani Metals & Tubes Ltd.
Hira Godawari Power & Ispat

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