

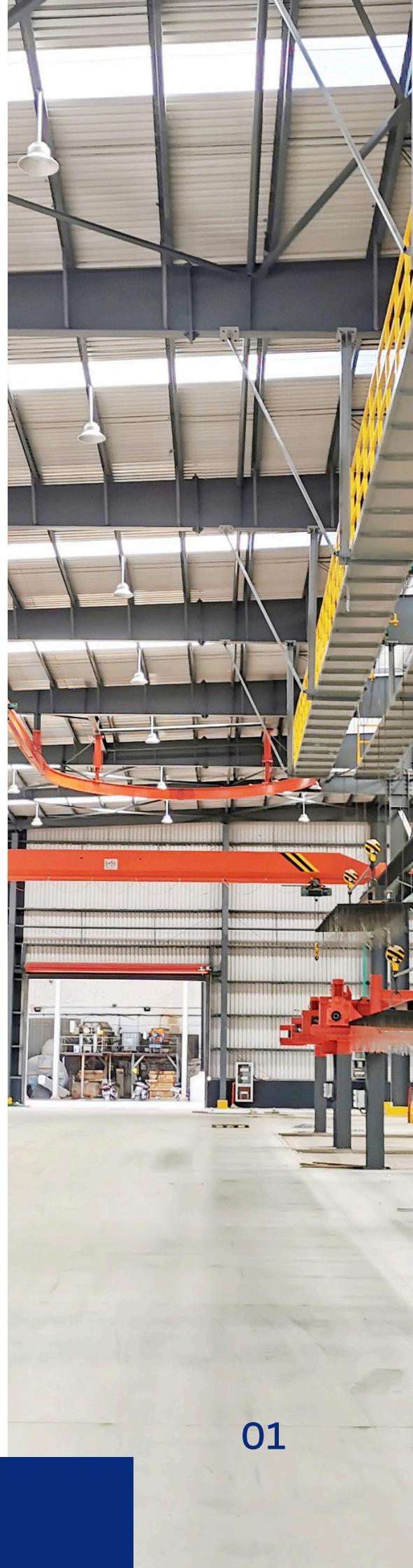


ASIA GREENTECH (MALAYSIA) SDN.BHD

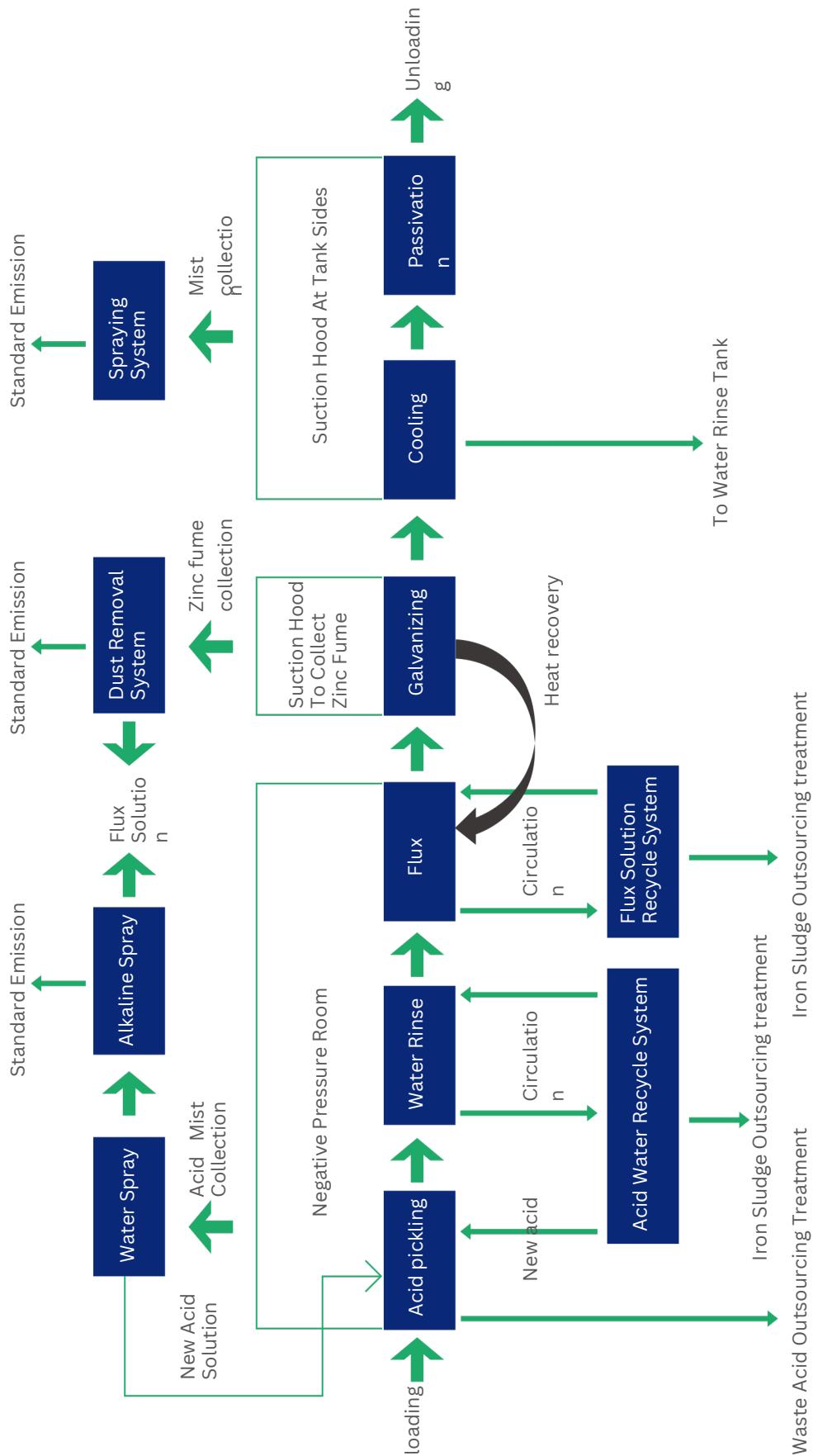
Asia Greentech (Malaysia) Sdn. Bhd. is a specialist supplier to the hot-dip galvanising and metal surface treatment industry, providing reliable and efficient equipment solutions for a wide range of industrial applications.

The company designs, manufactures and supplies complete metal surface treatment production lines, including hot-dip galvanising systems, as well as environmental protection and waste-treatment solutions. Our products are developed to support consistent process quality, operational efficiency and long-term reliability.

Asia Greentech offers end-to-end project support, covering process design, equipment fabrication, system integration, installation and commissioning. By delivering fully integrated, turnkey solutions, we help customers optimise production performance while meeting operational and environmental requirements.



Hot Dip Galvanizing Plant Process



Hot Dip Galvanizing Line



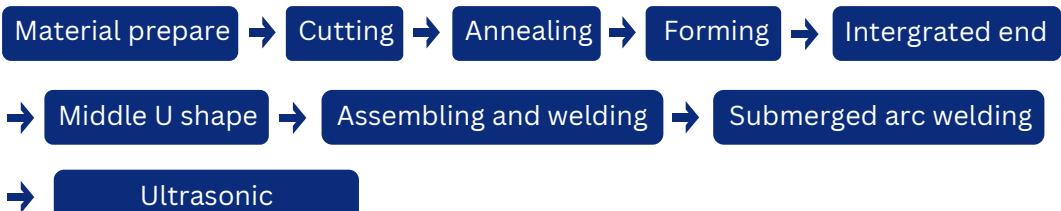
Design Features

- Automated crane movement for accurate lifting and less manual work.
- Closed pretreatment space that limits acid mist.
- Smart furnace control that helps save energy.
- Connected control system for a smooth production flow.
- Real-time app view of running status and key data.
- App-based alerts, remote checks, and quick support.
- Environmental equipment included to help reduce emissions.

Zinc kettle

Engineered for heavy-duty galvanizing applications, the kettle utilizes premium XG-08 Ansteel material with a reinforced 60 mm rounded bottom. Advanced ultrasonic testing ensures dependable performance and extended service life in continuous furnace operation.

Production Process:



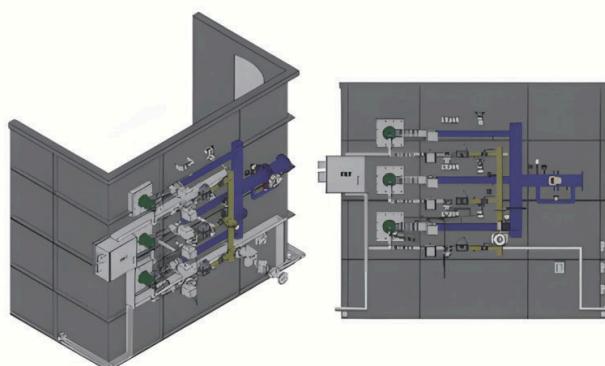


Galvanizing Furnace

1. **Fast, fuel-saving combustion.**
2. **Insulation designed to limit heat loss.**
3. **Simplified burner design for reduced maintenance.**
4. **Pressure and temperature sensors built in.**
5. **PID temperature control for zinc and flue lines.**
6. **Advanced heat-transfer control for stable performance.**

Compatible with gas, diesel or electric heat.

7. **Leak detection included.**
8. **PLC/HMI for automatic heat management.**



Fume Collection System

- High efficiency: Adopts the extraction structure and strong fan, filtering system, with collection efficiency 98%+ and treatment efficiency 99%+.
- Long service life: The collector body is made of steel structure, which is rust proof and filter bag for dust removal.



- Economic and environmental protection: The captured zinc ash can be concentrated and then recycled in furnace. The recovered zinc plate can be put into zinc pot for reuse. The zinc ash also can be sold to third party.
- Power consumption: Intelligent PLC control and using frequency converter to adjust power output, which can save power consumption.

Acid Fume Extraction System

Our integrated air scrubbing solution effectively treats process emissions, supporting a safer workplace and environmental protection.

A fully integrated air treatment system combining high-performance scrubbers, exhaust systems, and auxiliary equipment to ensure reliable operation and environmentally conscious performance.



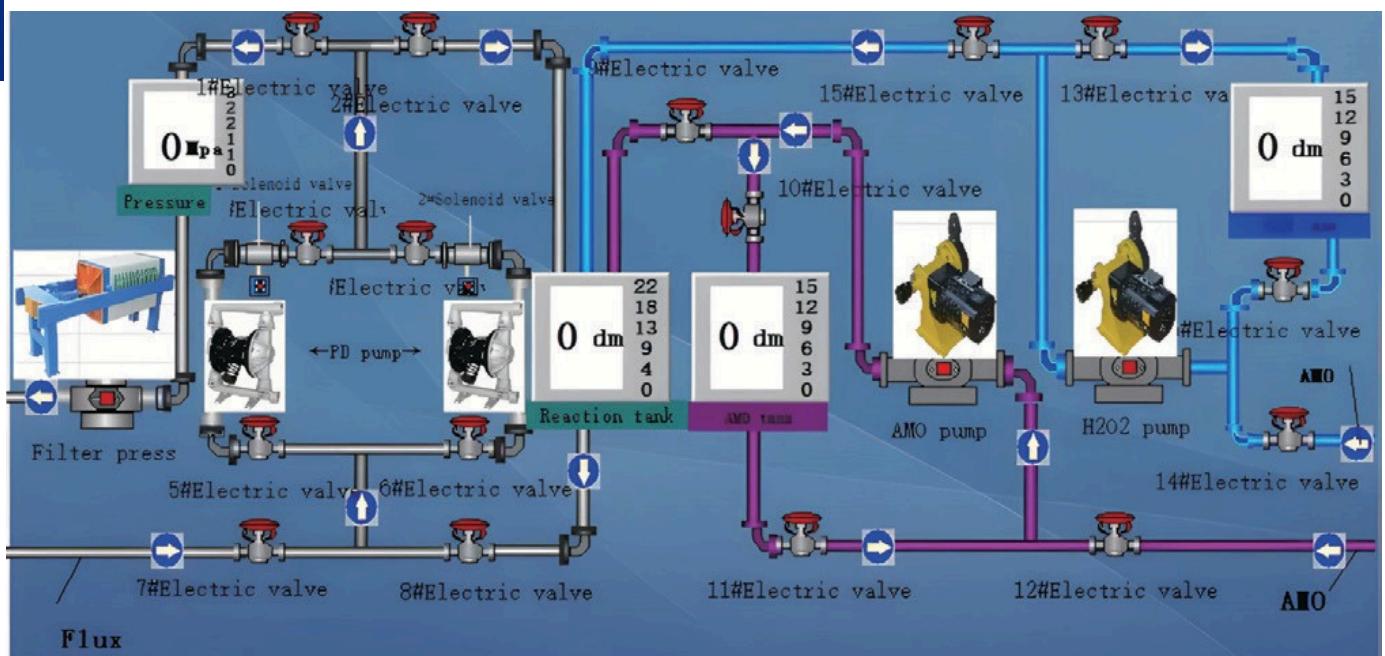
Fume Scrubber System



- Two stage spraying treatment scrubber to meet emission standard.
- Custom design on air scrubber size and volume capacity for special request.
- Made with anti-corrosion materials.
- PLC based control system for automatic dosing system to adjust PH and pressure control

FLUX Treatment System

- Fully automatic, 24-hour continuous operation
- Intelligent pH control with online monitoring
- Reduced zinc loss, fumes, and chemical consumption
- Improved galvanizing quality and surface finish
- Compact design for easy installation and maintenance
- Flexible filter press configurations (15–60 m²)

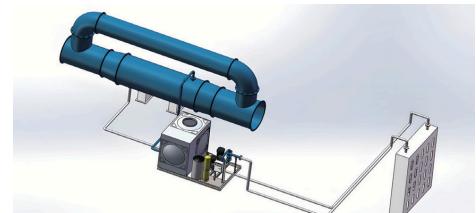
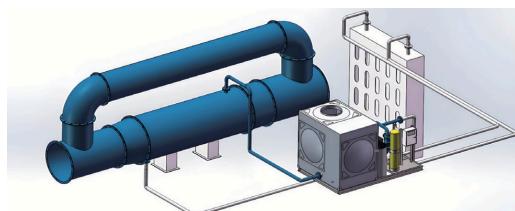


Heat Recovery System



Residual heat from the galvanizing furnace is recovered and reused to optimize energy efficiency and reduce overall power consumption. The heat recovery system captures waste heat and redirects it for productive use within the galvanizing process, supporting sustainable and cost-effective operation.

- Optimizing energy use
- Utilizing furnace residual heat
- Consistent drying output
- Heating uniformity
- Economic and environment friendly



Process Tank

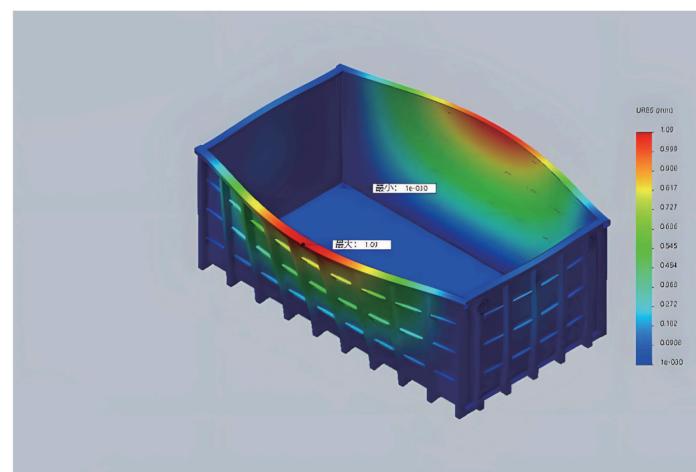
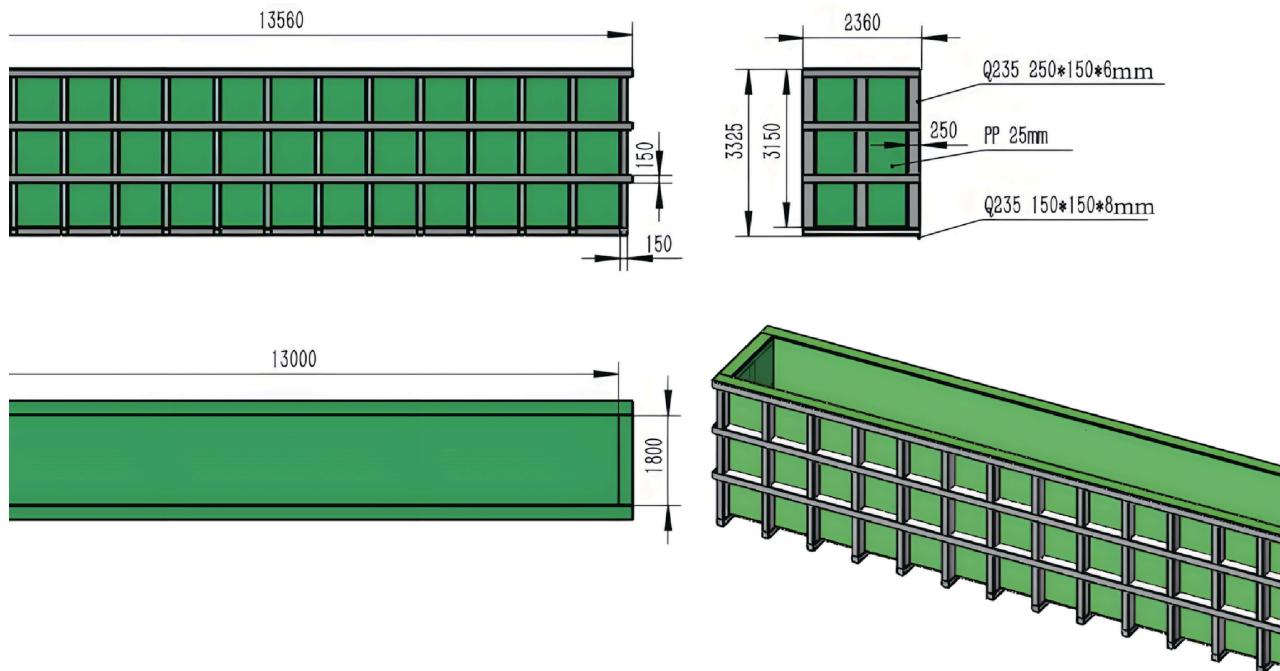
The tanks are resistant to all chemicals commonly used in the hot-dip galvanizing process, including hydrochloric acid (HCl), sulfuric acid (H_2SO_4) for pickling, acidic or alkaline degreasers, and flux solutions. A specialized manufacturing process combined with a robust structural design ensures a service life significantly exceeding industry averages.

Custom-designed to suit each application, our tanks deliver long service life and safe operation. The complete system includes degreasing, pickling, rinsing, flux, cooling, and passivation tanks. Constructed from steel or PP with reinforced structures and anti-corrosion coatings, the tanks are built for reliable long-term use.



Process Tank

The tank design aims to optimize cost while fully meeting operational and usage requirements. Finite Element Analysis (FEA) is applied to develop an optimal structural design. The optimization process includes comprehensive stress analysis, deformation analysis, and safety factor evaluation to ensure reliable performance under actual operating conditions.



Our Services

We provide reliable after-sales support to ensure the long-term performance and efficiency of hot-dip galvanizing lines. Our services focus on maintaining process stability, extending equipment life, and optimizing operational performance.



- Zinc kettle operational support and inspection
- Preventive maintenance and technical troubleshooting
- Equipment upgrades and modernization
- Chemical process guidance and optimization

Chemical Solutions & Additives

- Degreasers
- Flux Solutions
- Passivation Chemicals
- Corrosion Inhibitors
- Fume Suppressants
- Anti-Spatter Agents

Auxiliary Equipment

- Vibration Machine
- Hydraulic Loading Station
- Electric Hoist
- Zinc Dross Remover
- Zinc Pump
- Rack Hanger

OUR PRODUCTS





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