

GTech Electroplating Systems Electrolytic Plating Station



Stock No	TF383
Manufacturer	GTech Electroplating Systems
Year of Manufacture	2020
Condition	Seen working by RSW, Excellent Condition, Current Model
Work Envelope (WxDxH mm)	700 x 650 x 700 (TBC)
Process Stages	Single Plating + Single/Double Rinse
Location	Arriving in our warehouse soon
Weight (kgs)	310kg
External Dimensions (WxDxH mm)	1350 x 850 x 950 (TBC)

Description

Electrolytic Plating Station

Specification from OEM order

Tank nominal volume: 273 litres (dimensions TBC).

1 Off Single compartment polypropylene tank of internal size 700mm x 650mm x 700mm deep, complete with top flange (dimensions TBC).

External dimensions 1350mm x 850mm x 950mm (dimensions TBC).

The body of the tank will be manufactured from 15mm thick material.

Solution level will be 100mm below the tank top flange.

The tank will be raised off the floor by integral support feet.

Tank will be supplied with:

- 1 Off stainless steel heater rated at 2000 watts.
- 1 Set heater controls with digital thermostat, thermo-couple and plug.
- 1 Set anode and cathode rails manufactured in brass.
- 1 Set cathode rail moving gear with three phase AC motor.
- 1 Set low pressure air agitation blower with three phase AC motor.
- 1 Set solution filtration manufactured in polypropylene complete with re-circulation pump, filter chamber and suction and delivery pipework.
- 4 Off copper anode plates 200mm x 600mm.
- 1 Off 300 amp X 10 V DC output rectifier for single phase AC supply.

Rectifier complete with remote control box incorporating LCD display of current, voltage, real time and ampere hours.

Typical Specification of Rectifier Equipment

- Power factor > 0.85 at full load.
- Efficiency > 85% at full load.
- Phase number 1 or 3-Ripple factor 4-5%.
- Power control AYGÜN thyristor control.
- Control unit AYGÜN microprocessor control system.
- Operation manual.
- Remote control operator panel Indicators, LCD display, current, voltage, time, ampere hour display.
- Measurement True RMS current-voltage measurement.
- Control accuracy verified with measuring instruments with 1% calibration report, measuring points for annual calibrations on the power board.
- Buttons on start/stop.
- Panel process time 24/7 at full load.
- Type of cooling air cooled modular cabinet with galvanised body, electrostatic powder coated (colour 7035).
- Assembly modular system realised using standard materials.
- Programs adjustable timer to work indefinitely

There is a remote control panel with LCD screen Pc control RS232 / 485 wired serial communication with AYGÜN control software optional protection features:

- Phase missing
- Overcurrent
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Machine Datasheet



Excessive heat

- Short circuit
- Diode and thyristor failure

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.