pH Control for electroplating PRE 2340
The pH directly affects the quality of wet chemical and electrochemical processes.
Kirchner PRE 2340 is a pH controller which has been specially adapted to the requirements of electrochemical processes.
Special include features are:
- Precision pH-regulation
- Logging of the measured quantities
- Can be simple retrofit to existing plants
- RS232 communication - 4 independent relay outputs

Control systems for electrochemical processes Kirchner PRE
Electroplating baths are usually composed of different organic and inorganic components. Especially the organic components affect the quality of the products during electroplating.
Examples for these organic are:
- Wottig agent
- Lowering agents
- Brightener
- Complexing agent
These substances affect significantly:
- Leveling
- Glass / Color
- Internal stress
- Hardness
- Throwing power and
- Plating rate
Our control technology helps you to fulfill all these requirements for your products reliably.

Metering-pump-unit for Kirchner PRE Kirchner DOS
A particularly simple and efficient maintenance and dosing of your processes is possible by combining a PRE Kirchner and Kirchner DOS.
Kirchner DOS is metering liquids into your plating processes and is designed to work directly in connection with your Kirchner PRE.
This saves you wiring of external pumps, the installation of additional cabinets and the intervention in the existing control system.
- Easy installation also to existing plants
- Precise dosing of process chemistry
- Needs-based process control
- Plug and play

Data interface and visualization Kirchner PRE control
By the built-in RS232 interface it is directly possible to read out data and configure the Kirchner PRE. Kirchner PRE control software is PC based and enables you to easily monitor, configure, and remote maintenance of your electroplating processes. Especially in combination with a Kirchner PRE control unit.
The key features of Kirchner PRE control include:
- Easy configuration of Kirchner PRE
- Remote maintenance of your processes
- Control the consumption of chemicals
- USB port / RS232 - Interface
- Clear visualization of the process

Regeltechnik
für Galvanik und Electrochemie
Lower quality costs by process control technology Kirchner PRE

Kirchner process control units (PRE) helps to reduce electroplating costs and enhance product quality.

PRE is upsizing the reproducibility of your galvanic and electrochemical methods. Costs by Committee of galvanic and electrochemical products often result from incorrect or inadequate process control.

We provide solutions to the requirements of the electrochemical and galvanic industry designed process control equipment.

Our control devices record and control the pH, the temperature and flowed NH3.

On this basis, the respective process is continuously monitored and tracked with the chemistry set by you.

Our solutions for your control requirements Kirchner PRE series

We offer appropriate process control units for chemical, electrochemical and plating industry. This includes monitoring and metering equipment for small electroplating equipment up to fully automated electroplating machines.

KIRCHNER PRE 2140
- All-controlled dosing of max. 4 substances
- Input 0-10V and 0-20 mA and 0-60 mA
- RS232 communication protocol

KIRCHNER PRE 2260
- All-controlled dosing (see PRE 2240)
- pH control (see PRE 2340)
- Easy retrofitting of existing processes
- Remote maintenance by PRE control software

KIRCHNER PRE 2340
- pH control for electroplating
- Unique® control® step function

KIRCHNER DOS 3060
- Easy implementation retrofitting (requirement PRE)
- Up to 6 integrated peristaltic pumps

Ah totalizer for electrochemistry and electrodeposition Kirchner PRE 2140

Electrical and electrochemical processes are controlled mainly based on the anode-hours flown and due to analysis results.

The continuous counting of anode-hours and the corresponding adaptations of the dosage of auxiliary substances (wetting agents, levellers and brighteners) is essential for the zero defect production of electrochemical processes.

PRE 2140 offers a economically priced, retrofitable solution for fully automatic dosing and control by small and hand electroplating.

- Retrofitting of existing facilities
- Affordable process control for manual electroplating
- Reduction of quality costs

Complete solution for electrochemistry and plating Kirchner PRE 2280

The three main actuators for trouble-free and waste free galvanic layer deposition are:

- pH control of chemical and galvanic processes
- Ah totalizer with dosing feeds
- Temperature monitored

Kirchner 2280 PRE offer you a solution that monitors and adjusts these parameters targeted by automated metering pumps.

This lowers your castoff quality and helps you to run electrochemical processes in narrow process windows. Kirchner PRE 2280 helps:

- Reduce quality costs
- To use Galvanic baths effectively
- Reduce maintenance costs