



COMPANY PROFILE

Electroplating chemicals, equipment and technical support

CAIRO - EGYPT

ABOUT NEFRO

A technical partner for surface finishing

NEFRO Chemicals is an Egyptian specialist in electroplating and surface-treatment chemicals, production-line equipment and practical technical support. We work with manufacturers from initial process selection through bath analysis, correction and stable day-to-day operation.

CHEMISTRY Additives, salts, anodes and pretreatment materials.	ENGINEERING Manual, semi-automatic and automatic plating-line solutions.
ANALYSIS Bath testing, Hull Cell trials and corrective programs.	FOLLOW-UP Operating guidance and technical support before and after supply.

PRODUCT PORTFOLIO

Chemistry for the complete plating sequence

Nickel Brightener, carrier, leveller, wetting agent and semi-bright systems.	Copper Acid and alkaline copper processes, additives and phosphorized anodes.
Zinc Acid-zinc base and brightener with blue, yellow, olive and black passivations.	Tin & Silver Functional and decorative plating additives for electrical and engineered parts.
Chrome Catalysts, wetting agents and process-support additives.	E-Lacquer PU and acrylic lacquer, solvent, rinse aid, stabilizer, MEQ and correction additives.
Pretreatment Soak and electrocleaners, zincate, iron phosphate and zinc phosphate.	Materials Nickel salts, boric acid, potassium chloride, zinc chloride and metal anodes.

ENGINEERING & EQUIPMENT

From bath layout to production control



PROCESS LINES	Manual, semi-automatic and fully automatic layouts
TANKS	PP process tanks, rinses, heating and extraction provisions
POWER	Rectifiers sized for cleaning, copper, nickel, chrome and lacquer
FILTRATION	Filters, pumps and continuous bath-treatment solutions
LACQUER	UF systems, permeate control and curing requirements
HANDLING	Hoists, transport systems and operating sequences

TECHNICAL SUPPORT

Analysis before addition

Reliable plating starts with a clear diagnosis. NEFRO supports bath analysis, defect review, Hull Cell evaluation and staged correction programs. Recommendations are linked to the base metal, production load, equipment condition and required finish.



- | | |
|----|---|
| 01 | Collect bath and production information |
| 02 | Review analysis and visible defects |
| 03 | Confirm with Hull Cell or controlled trial |
| 04 | Issue a staged correction and addition plan |
| 05 | Follow performance after implementation |

SELECTED TECHNICAL SCOPES

Practical work across baths and lines

3,000 L Acid Tin Bath

Review of stannous and acid levels, removal of unsuitable additions and a Hull Cell trial before correction.

600 L Copper Baths

Assessment of acid and cyanide copper conditions to determine correction versus new make-up.

Manual Line Upgrade

Planning a semi-automatic conversion around existing tanks, handling requirements and control equipment.

Nickel-Chrome Line

Definition of process sequence, tank sizes, rinsing, filtration and rectifier capacity.

CONTACT

Sherif Hussein - Managing Director

+20 101 478 9060

Nefrochemicals@gmail.com

Eng.sherifelrefaey@gmail.com

Cairo - Egypt