

Riya Enterprises
Electroplating

UNIT PROFILE | ELECTROPLATING | EST. 2012

Riya Enterprises

Barrel electroplating for automotive and non automotive parts. Zinc, zinc nickel, zinc iron, copper nickel, nickel chrome, tin and phosphating, all under one roof in Rohtak.

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THE UNIT

Electroplating

Riya Enterprises is an electroplating job work unit in Rohtak, running barrel plating lines for automotive and non automotive components. Between the acid and alkaline zinc lines and the alloy systems, most corrosion and appearance specifications can be met in house, with cleaning, phosphating and polishing available alongside.

Barrel plating suits fasteners: the parts tumble as they plate, so the deposit lands evenly on every face of every piece in the load rather than building up on the outward facing surfaces alone.

100–120 T Tonnes electroplated a month	Barrel Plating suited to fasteners in bulk	2012 Established	10 Plating and treatment processes on the floor
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PROCESSES ON THE FLOOR

Plating and finishing

Zinc, zinc alloy and conversion finishes applied on barrel lines, selected for the part and the corrosion requirement rather than by habit.

Zinc

- Acid zinc barrel plating
- Alkaline zinc barrel plating

Zinc alloy

- Zinc nickel barrel plating
- Zinc iron barrel plating

Decorative and functional

- Copper nickel barrel plating
- Nickel chrome barrel plating
- Tin plating

Pre and post treatment

- Phosphating
- Cleaning
- Polishing

Measuring bench

- Hydrometer
- Temperature meter
- Salt spray test chamber
- Coating thickness tester

Through the shop

- Incoming area
- Plating lines
- Curing room
- Final inspection



PROCESS

How a load moves through the shop

01 Incoming area

Incoming parts are booked in, checked against the job card and staged by batch.

02 Plating lines

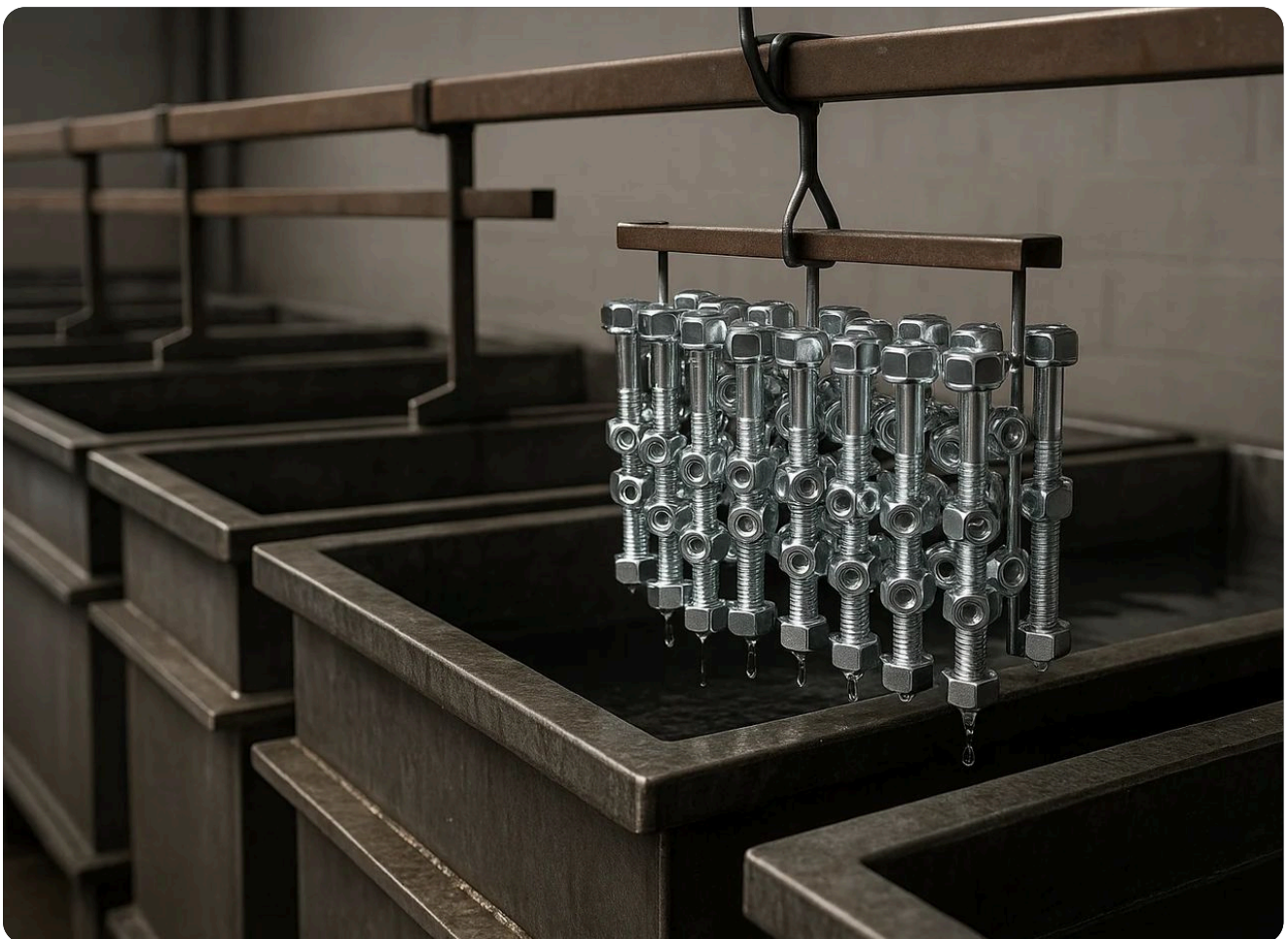
The load runs the selected zinc or zinc alloy process on the barrel lines.

03 Curing room

Plated work is cured to drive off hydrogen and stabilise the finish.

04 Final inspection

Thickness, appearance and adhesion are checked before the batch is released.



ON THE FLOOR

Measuring equipment

INSTRUMENT	WHAT IT CONTROLS
Hydrometer	Bath concentration and specific gravity
Temperature meter	Bath temperature through the plating cycle
Salt spray test chamber	Corrosion performance to ASTM B117
Coating thickness tester	Deposit thickness on the finished part

AROUND THE PLANT



Barrel plating lines



Final inspection



Surface preparation



Coating thickness check



Work in, by batch



Salt spray testing

WORKS

115, HSIIDC Industrial Area, Rohtak 124001 (Haryana), India

QUALITY

Controlled batch by batch

- Incoming parts checked against the job card before the load is made up
- Bath chemistry and temperature held to the process window
- Coating thickness measured on the finished work
- Salt spray testing to the hours on the customer specification
- Appearance and adhesion checked at final inspection

TESTING AND INSPECTION



Salt spray test chamber, ASTM B117



Coating thickness tester



WHO WE PLATE FOR

Job work for the trade

Customers

Victoriya Pvt. Ltd. · LPS Bossard · Universal Precision Screws · Microns Precision Screws · PV Forge Pvt. Ltd. · Ganesh Engineering Industries · Hanwant Fasteners Pvt. Ltd.

Typical work

Cold forged nuts, bolts and specials · Turned components and bushes · Bought out fasteners sent in for finishing · Third party job work by the batch

CONTACT

Works

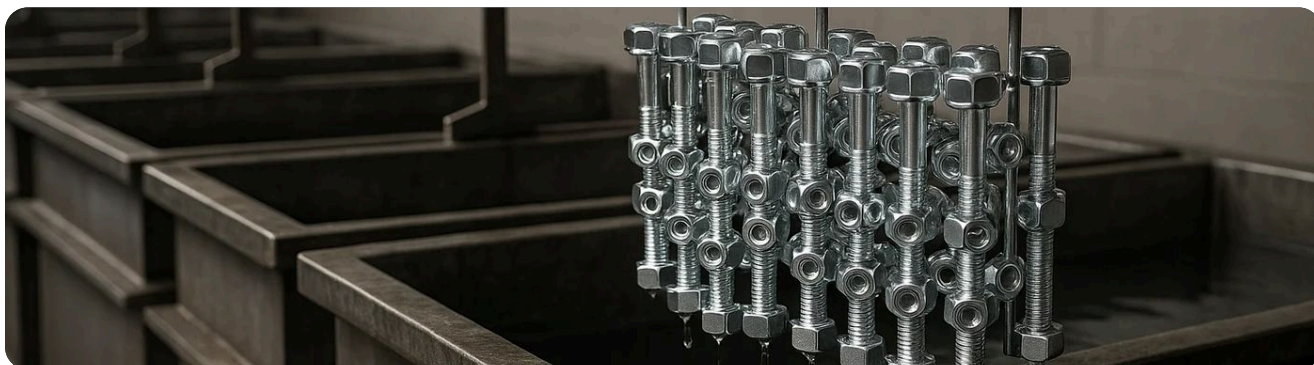
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Send with an enquiry

- Part description and quantity
- Finish and thickness required
- Salt spray hours, where the drawing calls for them
- Any OEM specification the finish must meet



BARREL PLATING, ROHTAK

Zinc, zinc alloy and decorative plating for the trade since 2012.

Send the part, quantity, finish, thickness and the salt spray hours it has to meet. Monday to Saturday, 9:30 to 18:30 IST.