

Chemical savings by using jigs

Location: Sobhan Electric, Bangladesh

Process: Bathroom fittings

Before

- Copper wires were used to connect parts to be plated with the plating solutions. These wires reacted with the plating solution leading to unnecessary chemical consumption.



After

- Custom designed, re-usable and insulated jigs are now used. The insulation prevents unnecessary chemical reactions thus reducing chemical loss and copper wire loss is avoided.



Costs/benefits

Cost: BDT 7000

Annual savings: BDT 7,830

Payback: 11 months

(1.8 kg Ni chemical & 15 kg copper wire saved)

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