When sending out an RFQ for a metal stamping, the price for a dip-spin coating application is appealing. Priced per pound, the cost per piece can be a fraction of what a rack-spray application would be.

However, many metal stamping geometries lend themselves to increased quality defects when processed in a bulk coating application. In these cases, the true cost of dip-spin vs. rack-spray pricing must be considered.

### Dip-Spin Price

- **$0.052**
  - Ship to Dip-Spin Coating
  - Coating Process
    - $0.052
      - Assumes $.26 lbs per pc @ $0.20 per lb
  - Return to Manufacturer*
    - $0.019
      - Assumes an LTL Shipment One-Way @ $109
  - 100% Sort Parts*
    - $0.008
      - Assumes 1500 pcs per hr @ $12.00/hr labor
  - Scrap 20% of Coated Parts*
    - $0.057
      - Cost to Produce 1080pcs/Remaining Good Pcs
  - Pack Remaining Good Parts*
    - $0.003
      - Assumes 4000 pcs per hr @ $12.00/hr labor
  - Ship to End Customer

### Rack-Spray Price

- **$0.133**
  - Ship to Rack-Spray Coating
  - Coating Process
    - $0.133
  - No Need to Return to Mfg.
    - $0.00
  - No Need to Sort
    - $0.00
  - No Need to Scrap
    - $0.00
  - Packing Included in Price
    - $0.00
  - Direct Ship to End Customer

### Actual Cost to Manufacture, Coat & Ship to Customer*

- **$0.289**
  - Assumed Lot Size: 5,400 pcs
  - Assumed Part Weight: .26 lbs

- **$0.283**
  - Assumed Lot Size: 5,400 pcs
  - Assumed Part Weight: .26 lbs

*Not included in final cost for dip-spin: the manufacturer’s overhead for staffed sort & pack labor, cost of reworking scrapped parts, expediting costs for lost product, excessive inventory, late delivery fees, corrective action labor.

*Assumes .26lbs per pc @ $0.20 per lb
*Assumes an LTL Shipment One-Way @ $109
*Assumes 1500 pcs per hr @ $12.00/hr labor
*Assumes 4000 pcs per hr @ $12.00/hr labor
*Assumes .26lbs per pc @ $0.20 per lb