

Specific Conditions on Inverted Rotary Swaging Machine

DESIGN DRAWING APPROVAL / MACHINE ACCEPTANCE & TESTING GUIDELINES

- 1.1 **Approval of Design Drawing** : After PO placement, party has to submit the design drawings for approval. Party shall carry out the fabrication only after clearance from VSSC.
- 1.2 **Initial trials by the Supplier**

Party shall carry out trials and prove-out of the machine to ensure compliance to the operating and performance requirements.

Six Samples (Lead/ Lead Antimony/ Tin/ Tin-Antimony) with smooth surface tubes filled with talcum/ chalk powder of different dia. will be provided to the party for performing initial trials (Circular swaging & shaping) at party's site. After processing, party should send the circular and shaped samples to VSSC for inspection which includes geometric and dimensional accuracy of the circular swaged/ shaped (3 types) of work piece.
- 1.3 After successful verification of the samples, VSSC will inform to party on same. Subsequently, Party shall inform VSSC about readiness of the machine for pre Delivery inspection at party's site.
- 1.4 **Pre Delivery Inspection:** The performance of the machine shall be evaluated by VSSC team at party's site. Again six samples are to be processed in presence of VSSC representative. After successful demonstration of machine performance, stipulated safety measures, as per the specification) and inspection of work piece , despatch clearance will be issued to the party.

2.0 INSTALLATION & COMMISSIONING AT VSSC:

- 2.1 The party shall execute installation and commission of the machine at VSSC identified site as per schedule mentioned in PO.
- 2.2 The foundation requirements & drawings shall be furnished by the party.
- 2.3 All electrical, special earthing or other requirements shall be clearly mentioned.
- 2.4 VSSC will prepare the foundation as required by the party.
- 2.5 Six Samples (Lead/ Lead Antimony tubes filled with talcum/ chalk powder) of Different diameter will be processed to realize 3 types of shaped product.

After successful demonstration of machine performance and inspection of work piece, Installation completion certificate shall be issued.

- 2.6 During PDI or during Installation, any fine tuning of the machine operating parameters etc, if needed, shall be done by the party free of cost.

3. Tools, Spares and Accessories:

- 3.1 The offer should mention essential spares required for trouble free operation of the machine for a period two year. Quantity and break-up cost for each should be included in the offer.
- 3.2 Party should also provide list of Optional Spares along with individual cost break- up.
- 3.3 Tools: One Set of maintenance tools and the special tools required for the regular Operation of the equipment shall be supplied with equipment.

- 4. **AMC:** Cost of AMC for 5 years (Year wise) beyond the Warranty Period of 2 Years shall also be quoted.

Number of visits for AMC: Cost of AMC per year shall include one Preventive Maintenance Call (PMC) and one Breakdown Maintenance Call (BMC). If any additional breakdown call is required; will be paid on per call basis. So, party should quote yearly AMC Charge (1 PMC+ 1 BMC) and additional BMC charge on per call basis. All the budgetary quotation shall be given only in Price bid.

5. Documentation: Party should provide following documents in English language

- ✓ Programming, operation and maintenance manual – 2 sets
- ✓ Assembly drawing – 2 sets
- ✓ Electrical drawing -2 sets
- ✓ Set up drawing and installation – 2 sets.
