

Your positive response is awaited. Have a nice day.

Sr. No.	Description	Qty
1	Metal Treatment Station (Specification as per page-02~03)	01

SPECIFICATION SHEET FOR METAL TREATMENT STATION

- 1. Equipment:** Metal Treatment Station
- 2. Make:** FOSECO or Equivalent
- 3. Model:** FOSECO FDU Mark 10
- 4. Metal to be treated:** Aluminum
- 5. Weight of metal to be treated:** Up to 500 Kg
- 6. Required functions:**
 - i. Degassing
 - ii. Cleaning
 - iii. Modification
 - iv. Grain Refinement
- 7. Description of components:**
 - i. Foundry degassing unit consists of:
 - a. Vacuum impregnated graphite shaft FDU BKF 75/900 with coupling TZ 75 or equivalent
 - b. Vacuum impregnated graphite rotor FDU XSR 175.70 or equivalent in conjunction with graphite shaft
 - c. Automatic Baffle Plate for melt speed control
 - d. Capable of operating at any Rotor depth
 - e. Lifting and sinking of the shaft and rotor is performed by electrical lifting motor
 - ii. Hopper system: consists of at least two hoppers (with minimum level sensor) with programmable adjustment of flux addition in specific quantity for particular time duration
 - iii. Trolley mounted system for easy movement
 - iv. Capable of being applied in furnace or ladle
 - v. Gas flow meter
 - vi. Temperature measuring system
 - vii. PLC based control panel for regulation of:
 - a. Degassing time
 - b. Rotor RPM
 - c. Melt speed adjustment by baffle plate insertion and removal from melt
 - d. Gas flow rate adjustment

- e. Flux addition in required quantity for specific time
- f. Detection of the hopper filling level capacity

8. Spares:

Sr. No.	Description of component	Quantity required
1.	Shaft FDU BKF 75/900 or equivalent*	10
2.	Rotor XSR 175.70 or equivalent*	10
3.	Baffle Plate*	10

*as per machine requirement

9. Consumables:**

Sr. No.	Description of consumable	Quantity required
1.	Coveral MTS 1524	1000 Kg
2.	Coveral MTS 1576	1000 Kg
3.	Coveral MTS 1582	1000 Kg

**Consumables must be in polyethylene bags for protecting it from moisture pickup and other environmental effects. Packing size should be 12.5 Kg for easy filling of hopper.

Quotations without spares and consumables will not be considered.

10. Inspection: Pre-shipment inspection of the equipment at supplier's premises

11. Operational Manual: Technical drawings, Operation Manual and technical literature must be provided in English Version.

Note: Complete specifications and brochure of the furnace should be provided with the quotation otherwise the quotation will not be considered for evaluation.