

RETROFITTING OF ORBITAL TIG WELDING HEAD

A. SPECIFICATION:

Scope of supply includes the following items:

D Weld Head assembly should consist of the following items:

1. D Weld Head - Model 420T

- Pipe size range: 25.4mm to 355.6mm (1" to 14") OD.
- Very compact radial.
- Torch rotation, filler wire feed, torch oscillation and electronic arc gap control functions.
- Designed for multipass pipe welding applications.
- Entire weld head rotates around the pipe mounted on guide rings.
- Installed on weld head is a Torch and Cable Assembly, 25 ft (7.6m) in length.
- The weld head INCLUDES a Standard Profile Wire Spool Mount Kit (2-1/2" or 64 mm radial clearance) or a Low Profile Wire Spool Mount Kit (2" or 51 mm radial clearance).
- Drum rim assembly + wire guide for 0,8 mm installed.
- Drum rim assembly + wire guide for 1,0 mm supplied separately.
- Includes Storage Case, Operation Manual and toolkit.
- Usable with Pipemaster controller Model 516.

2. Wire Drive Assembly

3. Tractor Assembly

4. Roller Chain and Tensioner Assembly

Note:

1. The above head should be interfaced with the existing controller and pendant.

Controller Model: Pipemaster controller Model 516

Make: QAPQA (formerly MAGNATECH)

2. Welding head should be suitable for welding as per existing welding process 5 to 6 passes without interruption.

3. One set of all screws (Part No. 100398) used in the head also to be provided.

B. General Conditions for vendors other than OEM, Magnatech/Qapqa:

1. Vendor may visit BHEL before quoting to understand the application.
2. Vendor should submit relevant drawings and catalogue along with offer.
3. Vendor should prove out the welding process in the existing machine after supply of materials.

C. PRE QUALIFYING CRITERIA:

The BIDDER has to compulsorily meet all the following requirements and supporting documents should be furnished with out which the offer will not be considered for technical evaluation.

S. No.	Requirements	Vendors Response	
1	Only those who have supplied industrial items to a company shall quote	Vendor to specify	
2	Purchase Order copy (unpriced) for the previous supplied items.	Vendor to specify	
3	Vendor should submit following details which are necessary for qualifying their offer A. Name and postal address of the customer / company where similar materials supplied B. Name and designation of the contact person of the customer, Phone, FAX no and email address of the contact person of the customer.	Vendor to specify	
4	BHEL will verify the above information provided by the bidder. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	Vendor to specify	

Date:

Signature & Seal of Vendor