



## **RIGID STEEL CONDUITS FOR SAFEST ELECTRICAL INSTALLATION**

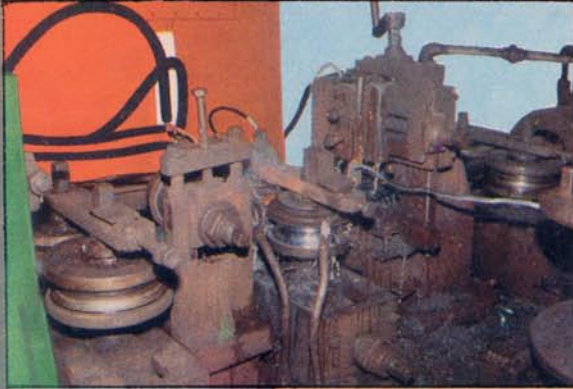
**ISI MARKED HOT DIPPED GALVANISED  
AND BLACK STOVE ENAMELLED  
E.R.W. RIGID STEEL CONDUITS.**

IS : 9537



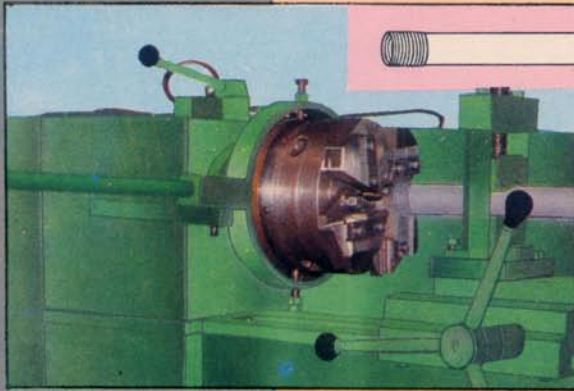
PT-2

VJAYEE INDUSTRIAL MANUFACTURING COMPANY (VIMCO), a manufacturer of quality steel conduits since 1967 with quality duly approved by most of the Government, Public and Private Sectors under the prevalent IS standard 1653-1972, now manufactured as per IS-9537 Pt. 2 with ISI marking on Black Stove Enamelled as well as Hot Dip Galvanised Conduits. We can also manufacture conduits as per International specifications like BS 4568, Pt-I



**High Frequency Induction Welding**

Our Conduits are manufactured on fully Automated Plant by High Frequency Induction Welding System which ensures Perfect Welding and the minimum required inside Weld Bead to ease the wire pulling. Smooth wire pulling is further ensured when the pipes are chamfered at both the ends. The Weld area is as strong as the pipe's steel itself, hence any kind of bending job can be carried out without any chance of opening of the seam or being prone to cracks. Even though the Raw Material used is Tested Quality, inhouse testing is carried out in accordance to IS specification to ensure that the production of the pipe suits the application.



**Lanco Chaser-Threading Machine**

The threading is done on Automatic Threading Machine having Lanco Chasers which maintains uniformity on the length of threading on major diameter as well as on minor diameter and the pitch of the threads. This uniformity facilitates easy fitting of all conduit accessories. The threads are checked with Screw Thread Gauge which ensures the quality threading of the pipes.

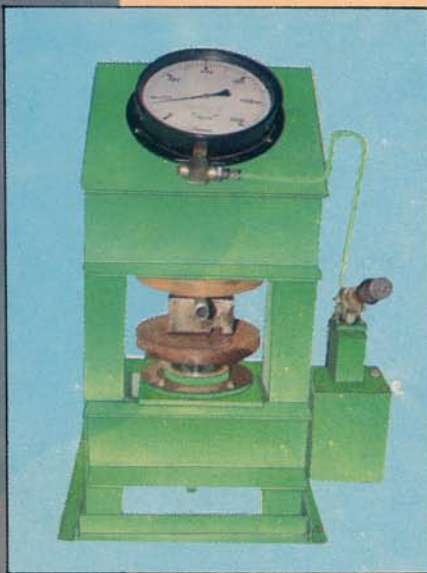


**Medium & High Protection Rigid Steel Conduits**

The Medium Protection Coating of the pipe with Black Stove Enamel is done by dipping process which ensures proper coating inside and outside of the pipes.

The pipes are baked in an Automatic Electric Oven controlled with Digital Thermostat System to achieve required temperature for requisite hardness of the paint and gloss finish on the conduit.

High Protection Coating of the pipe i.e., Hot Dipped galvanising is done by Automatic Galvanising Plant. The Zinc Coating inside and outside is maintained in accordance with IS - 4736 - 1986.



**Compression Testing Machine**

## SOME ADDITIONAL FEATURES

### RAW MATERIAL

Raw Material Testing facility at our Lab before taking it to process

### DIAMETER:

Extra device fitted on Tube Mill to achieve uniform diameter of the conduit on line

### THREADING:

Threading of conduit by Lanco Chaser machine to have uniform thread.

### EXTFRNAL INFLUENCES:

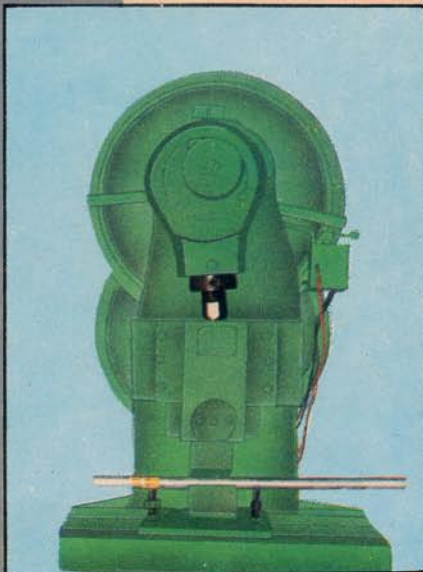
The inner and outer surfaces of the conduits are treated with special phosphating process. Extra thicker coating is given to medium protection and high protection to protect the conduits against water, oil, building material, low & high temperature, corrosive and polluting substances.

### MECHANICAL PROPERTIES:

Our conduits have adequate mechanical strength to stand the tests which are required for conduits to pass as per specifications to go through Bend Tes Flattening Test, and Compression Test before being taken to final process.



**Testing Lab.**



**Flattening Testing Machine.**



DIAMETER, TOLERANCE, THICKNESS AS PER IS-9537 (PT I & II) 1981 ARE AS UNDER:

Nominal Size of Conduit	Outside Diameter	Tolerance on Diameter.	Wall Thickness
IN MM	IN MM	IN MM	IN MM
16	16	0 - 0.3	1.4 - 1.8
20	20	0 - 0.3	1.4 - 1.8
25	25	0 - 0.4	1.4 - 1.8
32	32	0 - 0.4	1.4 - 1.8
40	40	0 - 0.4	1.6 - 2.2
50	50	0 - 0.5	1.6 - 2.2
63	63	0 - 0.6	1.6 - 2.2

Note: Normally our conduit thickness is maintained at 1.6 mm upto including 32 mm and 2 mm upto including 63 mm, other thicknesses can be provided as per customer's requirements.



## VIJAYEE INDUSTRIAL MANUFACTURING COMPANY

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### AUTHORISED DEALER



### JAVERI SALES CORPORATION

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