

**LAKSHMI BRAND DOUBLE ACTION WELD TRIMMER
(HAND OPERATED)**



INTRODUCTION:-After welding of rail joint by Alumino Thermit the extra weld metal over rail head (top & sides) used to be chipped off manually with the use of a chisel and hammer which still in red hot condition. This manual operation had many disadvantages like hot metal flying, Ununiformity in trimming and it requires long blocks. To eliminate these short comings and faster operation “**LAKSHMI MEERUT**” has developed a small portable machine named as “**Double Action Weld Trimmer**”. This small machine required only 2 persons as it is fitted with a powerful hand pump for trimming operation and is also light in weight. The mono rail wheel assembly helps the machine to get carried away from one place to another at different sites in no time. The machine has efficiency to trim the welded joint within 3 minutes only.

HAND PUMP: - A Small hand pump is provided which the capacity of 200 bars has fitted with pressure release valve and directional control valve.

DOUBLE ACTION TRIMMER UNIT:- Two hydraulic cylinders capacity 09 tons each have been coupled together by mechanical means and trimming blades made out of special steel duly hardened to give better and long best performance are fitted. Handles are also provided for easy handling.

CLAMPING ARRANGEMENT: - A fabricated clamping system is also provided on the trimming unit to automatically grip the rail in such a way so as to ensure smooth operation.

SAILENT FEATURES:-

- (a) Reduces block time.
- (b) Eliminates the risk of hot metal flying due to smooth hydraulic operation.
- (c) Achieve uniformity in trimming from joint to joint.
- (d) Reduces finished grinding time.

PARTS SUPPLIED WITH EACH MACHINE:-

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| 1. Trimming unit complete | 1Nos. |
| 2. Tool kit | 1 Nos. |
| 3. Instruction Manual and trimmer. | 1 Nos. each |

TRAINING: - Training regarding trimming operation and maintenance and upkeep of machine will be imparted at our works at Meerut to your representative free of cost.

TECHNICAL DATA: -

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| 1. Capacity of cylinders | 9 tons each. |
| 2. Hydraulic stroke | 120-150 mm |
| 3. Man power required | 2 persons. |
| 4. Trimming time | 3 minutes. (After placement of the trimmer over rail head) |