

LAKSHMI BRAND RAIL PROFILE WELD GRINDER (ELECTRIC VERSION)

Specification no: TM/SM/10 Dt: 16.8.1991



INTRODUCTION: - Light Weight Rail Profile Grinding Machine developed by “LAKSHMI MEERUT” is an efficient, versatile & easy to operate machine in the hands of P.Way engineers which facilitate them with an easy grinding method to grind the trimmed joint and left over metal on alumino thermit welded rail joints. The machine requires the need of only two semi-skilled gang men. The machine has efficiency to work on any rail section up to 60 Kgs and of 72 to 110 Kg/mm² UTS with in specified tolerances.

POWER UNIT: - The prime mover is a strong AC operated motor capable of generating an output of 2200Watt at 4500rpm. The operable supply required is 220V, 50Hz AC.

TRANSPORTATION: - A light weight monorail cum road trolley weighing only 17K.g capable to carry a payload of 100K.g may be provided with the grinder to facilitate the transportation of the machine with ease.

GRINDING UNIT: - It is a fabricated unit capable to swiveling at 90o on either side of vertical position for grinding the edges of rail head, gauge and non gauge faces as per original profile of the rails. It has been so designed that the operator can watch the grinding process continuously and inspects the grinding mark during operation without any extra effort.

PARTS SUPPLIED WITH EACH MACHINE:-

- a. Grinding unit fitted with motor.
- b. Tool kit.
- c. Instruction Manual of the motor.
- d. Grinding Stone
- e. Key for fixing and removing of grinding stone.

TRAINING:-Training regarding grinding operation, maintenance and upkeep of machine will be imparted to two operators per machine at our works at Meerut or Railway premises if demanded by purchaser free of cost.

TECHNICAL DATA:-

Weight	35 Kg
Type of Stone Used	Cup type Resinite Bond
Angle of Swiveling	90° on both sides of rail
Motor Capacity	2200W
Motor Type	AC 235V, 50Hz
Grinder Capacity	0.2mm on top face with 100mm st.edge 0.3mm on Side face with 100mm st.edge