



CONNECTING ROD BORING MACHINE



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CONNECTING ROD BORING MACHINE

PRODUCT DESCRIPTION

Model ARB 500

Connecting Rod Boring Machine, Model ARB500 is a high precision product designed to machine both new connecting rods as well as for re-conditioning of worn connecting rods. This machine is provided with a sturdy boring spindle. The carriage is provided with both rapid & Fine Auto Feed controlled by separate PLC Drive to facilitate a fine and speedy operation while boring.

SALIENT FEATURES

- Auto feed in both direction for table traverse.
- Easy centering of the con-rods by the vertical column, which is provided with a combination of clamping and centering fixtures.
- Unique design of the set up fixture permits perfect alignment between two bores.
- Wide range of tooling fixtures and accessories permitting boring of con-rods, small engine cylinders, etc.
- Rigid spindle offering Infinitely Variable Spindle Speed Range from 250-1200 RPM.
- Machine mounted Tool Setting Device (TSM) makes operation very easy.
- Bore Inspection made very easy from rear with bore gauge without disturbing Job Setting.

TECHNICAL SPECIFICATIONS

DESCRIPTION	ARB 500
Minimum and maximum bore centre of con rod	80-500 mm
Boring spindle speed	Variable
Boring range	Min ϕ 15- Max ϕ 175
Feed both direction	Infinitely variable
Table traverse- crosswise	50 mm
Table movement- longitudinal	450 mm
Spindle speed motor	1 HP 3PH 50 Hz
Motor table feed (Variable drive- VFD)	0.5HP 3PH 50 Hz
Length of machine	1200 mm
Width of Machine	650mm
Height of Machine	2000mm
Net weight	750kg (approx)
Gross weight	900kg (approx)
Shipping Volume	3 m ³

STANDARD ACCESSORIES

DESCRIPTION	UNIT	DESCRIPTION	UNIT
Boring spindle ϕ -14	1no	Connecting rod clamping collar ϕ -14	1no
Boring spindle ϕ -26	1no	Connecting rod clamping collar ϕ -26	1no
Boring spindle ϕ -40	1no	Connecting rod clamping collar ϕ -40	1no
Boring spindle ϕ -58	1no	Connecting rod clamping collar ϕ -58	1no
Boring tools (03 Nos Each)	Dia 10 &6	Centering cone	1 Set 2Nos
T.S.M frame	1 no	Allen key set	1 Set 9Nos
Centering device with dial gauge	1 no	Operating manual	1 no
Tool setting micrometer assembly	1 no	Leveling plate	4 no
Taper pin (o1 Set)	7 no	Foundation bolt	4 no
Taper pin (01 Set)	5 no	14 mm Allen key	1 no
Tool adjusting block	1 no		