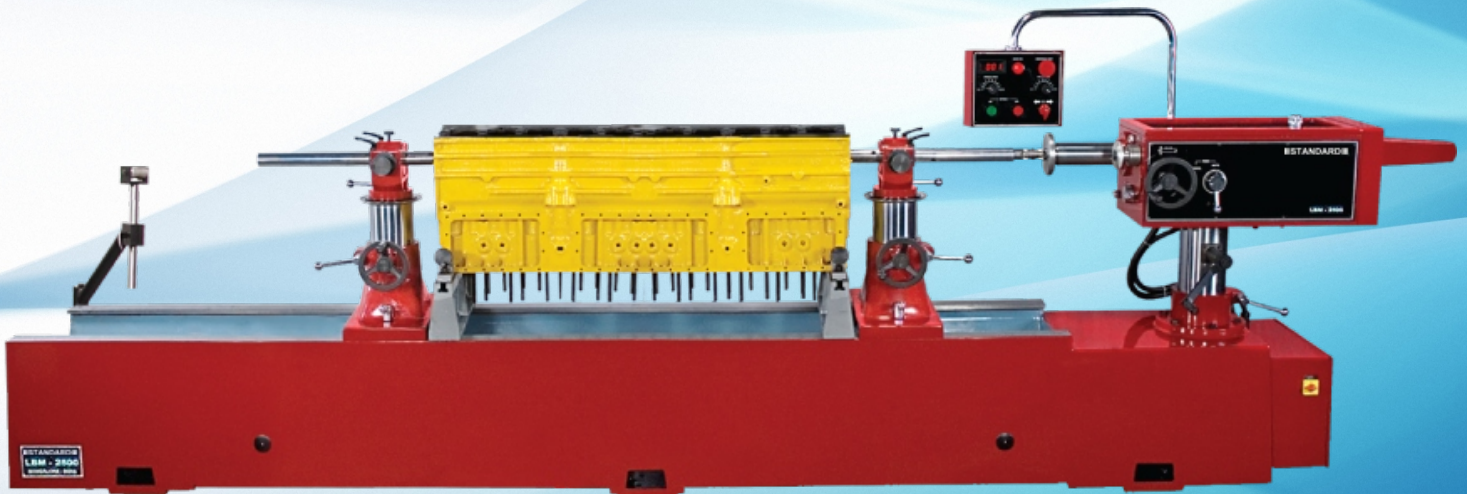


STANDARD

LINE BORING MACHINE

- ▶ Infinitely variable spindle speed and feed to achieves good surface finish of the bore.
- ▶ Compact centering device for accurate bore centering.
- ▶ Tool setting micrometer with magnetic base for fast and accurate tool setting.
- ▶ Special alloy bearing bush for boring bar to ensure long life of the boring bar.

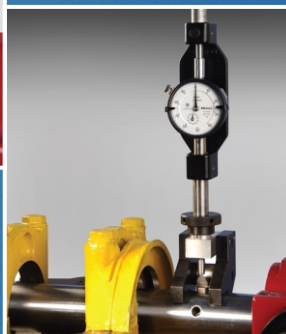


This line boring machines are rigid, compact and variable spindle speeds and feeds. This facility will achieve good surface finish.



Centering of job on the machine could be very fast with the dial indicator

Tool setting micrometer device with magnetic base, for accurate tool setting



MODELS

LBM 1000, 1500, 2500

TECHNICAL SPECIFICATIONS	LBM 1000	LBM 1500	LBM 2500
MAXIMUM LENGTH OF BLOCK	1000 MM (39.3")	1500 MM (59")	2500 MM (98.5")
MAX.DISTANCE BETWEEN TOP OF BED TO BORING BAR CENTER	750 MM (29 ½")	750 MM (29 ½")	850 MM (33.5")
MIN.DISTANCE BETWEEN TOP OF BED AND BORING BAR CENTER	450 MM (17 ¾")	450 MM (17 ¾")	550 MM (21.5")
BORING CAPACITY WITH STANDARD EQUIPMENTS	32 MM - 140 MM (1 ¼-5.5")	32 MM - 140 MM (1 ¼-5.5")	32 MM - 175 MM (1.25" – 7")
BORING CAPACITY WITH OPTIONAL EQUIPMENTS	24 MM - 225 MM (1"-8 ¾")	24 MM - 225 MM (1"-8 ¾")	24 MM – 225 MM (1" – 8.9")
SPINDLE SPEED INFINITELY VARIABLE	80 - 700 RPM	80 - 700 RPM	80 – 700 RPM
FEED BOTH DIRECTIONS INFINITELY VARIABLE	0 - 50 MM / MIN.	0 - 50 MM / MIN.	0 – 50 MM/ MIN.
MAX.TRAVEL OF BORING BAR	450 MM (17 ¾")	450 MM (17 ¾")	450 MM (17 ¾")
DRIVE MOTOR (A.C)	1.5 KW / 2 HP.	1.5 KW / 2 HP.	1.5 KW / 2 HP
SPINDLE FEED MOTOR (D.C.)	0.18 KW / 0.25 HP	0.18 KW / 0.25 HP	0.18 KW / 0.25 HP
LENGTH OF MACHINE	3340 MM (131.4")	3840 MM (151")	4840 MM (190")
WIDTH OF THE MACHINE	750 MM (29.5")	750 MM (29.5")	750 MM (29 ½")
HEIGHT OF MACHINE	1750 MM (69")	1750 MM (69")	1850 MM (73")
WORK SPACE REQUIRED (LXWXH)	4500 X 1750 X 1900 (MM)	5000 X 1750 X 1900 (MM)	6000 X 1750 X 2000 (MM)
NET WEIGHT (APPROX.)	1600 KG	1750 KG	2250 KG
GROSS WEIGHT (APPROX.)	2100 KG	2250 KG	2750 KG
PACKING CASE OUTER SIZE (LXWXH)	3600 X 1000 X 1495 (MM)	4100 X 1000 X 1495 (MM)	5100 X 1000 X 1595 (MM)
SHIPPING VOLUME	5 M3	6 M3	8 M3

STANDARD ACCESSORIES	LBM 1000	LBM 1500	LBM 2500
SETTING UP PARALLEL 100 MM HEIGHT X 550 MM LONG	01 PAIR	01 PAIR	01 PAIR
SETTING UP PARALLEL 100 MM HEIGHT X 750 MM LONG	Nil	Nil	01 PAIR
SETTING UP PARALLEL 200 MM HEIGHT X 550 MM LONG	01PAIR	01PAIR	01 PAIR
BORING BAR DIA 30 X 1600 MM LONG	01 NO	01 NO	01 NO
BORING BAR DIA 48 X 2000 MM LONG	01 NO	01 NO	01NO
BORING BAR DIA 60 X 3000 MM LONG	Nil	Nil	01NO
BEARING BUSH FOR BORING BAR DIA 30 MM	02 NOS	02 NOS	02 NOS
BEARING BUSH FOR BORING BAR DIA 48 MM	02 NOS	02 NOS	02 NOS
BEARING BUSH FOR BORING BAR DIA 60 MM	Nil	Nil	02 Nos
EXTRA SUPPORT FOR BORING BAR DIA 60 MM WITH BUSH	Nil	Nil	01 NO
CENTRING CONE DIA 30	02 NOS	02 NOS	02 NOS
CENTRING CONE DIA 48	02 NO	02 NO	02NOS
CENTRING CONE DIA 60	Nil	Nil	02 NOS
CUTTER HEAD DIA 90 FOR BORING BAR DIA 48 MM	01 NO	01 NO	Nil
CUTTER HEAD DIA 100 FOR BORING BAR DIA 60 MM	Nil	Nil	01 NO
CUTTER HEAD DIA 135 FOR BORING BAR DIA 60 MM	Nil	Nil	01 NO
BORING TOOL DIA 7 X 22 MM LONG	01 NOS	01 NOS	01 NO
BORING TOOL DIA 7 X 28 MM LONG	01 NO	01 NO	01 NO
BORING TOOL DIA 12 X 55 MM LONG	02 NOS	02 NOS	02 NOS
BORING TOOL DIA 12 X 67 MM LONG	01 NO	01 NO	02 NOS
BORING TOOL DIA 12 X 20 MM LONG	Nil	Nil	01 NO
BORING TOOL DIA 12 X 30 MM LONG	Nil	Nil	01 NO
BORING TOOL DIA 12 X 35 MM LONG	Nil	Nil	01 NO
FACING TOOL DIA 12 X 69 MM LONG	Nil	Nil	01 NO
TOOL SETTING MICROMETER	01 NO	01 NO	01 NO
MAGNETIC BASE SMALL	01 NO	01 NO	01 NO
MAGNETIC BASE BIG	Nil	Nil	01 NO
CENTERING DEVICE WITH DIAL INDICATOR	01 NO	01 NO	Nil
BORING BAR REST	01 NO	01 NO	01 NO
BLOCK CLAMPING ASSEMBLY	04 NOS	04 NOS	01 NO
LEVELING PLATE WITH BOLT	04 NOS	04 NOS	04 NOS
FOUNDATION BOLT WITH NUT	04 NOS	04 NOS	06 NOS
OIL GUN	01 NO	01 NO	06 NOS
ALLEN KEY SET (9NOS)	01 NO	01 NO	01 NO
DOUBLE END SPANNER 24 / 26	01 NO	01 NO	01 NO
HANDLE TYPE ALLENKEY 4 MM	01 NO	01 NO	01 NO
HANDLE TYPE ALLENKEY 6 MM	01 NO	01 NO	01 NO
CENTRING PIN DIA 7 & 12 MM	01 NO	01 NO	01 NO
OPERATION MANUAL	01 NO	01 NO	01 NO

Quality Policy:- Our objective is to offer best quality customized machines to our clients across the globe.

Note:- In view of the company's commitment to innovation, constant design, product upgrading, and specification are subject to change with out prior notice.

STANDARD AUTOMOTIVE MACHINES (INDIA) PVT. LTD.

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STANDARD

TWO WHEELER SINGLE CYLINDER HONING MACHINE



MODELS

VCH 200, VCH 200M



TWO WHEELER SINGLE CYLINDER HONING MACHINE

This machine is specially developed for two wheeler single cylinder honing. This version of machine is developed for the first time in India. Making accurate honing, easy to operate and quick hydraulically clamping the cylinder blocks.

TECHNICAL SPECIFICATIONS	VCH 200	VCH 200M
MINIMUM HONING DIAMETER	38 MM (1.5")	38 MM (1.5")
MAXIMUM HONING DIAMETER	90 MM (3.6")	90 MM (3.6")
MINIMUM HONING STROKE	50 MM (2")	50 MM (2")
MAXIMUM HONING STROKE	200 MM (8")	200 MM (8")
STROKE SPEED (INFINITELY VARIABLE)	1 - 10 M / MIN	1-10 M/MIN
SPINDLE SPEED VARIABLE	0 - 250 RPM	0-250 RPM
MOTOR SPINDLE DRIVE	0.75 KW /1 HP	0.75 KW /1 HP
MOTOR FOR SPINDLE DRIVE	0.75 KW /1 HP	0.75 KW /1 HP
MOTOR POWER PACK	0.75 KW /1 HP	0.75 KW /1 HP
COOLANT MOTOR	0.08 KW / 0.1 HP	0.08 KW/0.1 HP
HONING HEAD TRAVERSE	FIXED	MOVABLE
LENGTH OF THE MACHINE	1100 MM	1100 MM
WIDTH OF THE MACHINE	865 MM	865 MM
HEIGHT OF THE MACHINE	1775 MM	1775 MM
NET WEIGHT (APPROX)	350 KG	350 KG
GROSS WEIGHT (APPROX)	650 KG	650 KG
PACKING CASE OUTER SIZE (L X W X H)	--	—
SHIPPING VOLUME	4 M 3	4 M 3

STANDARD ACCESSORIES	VCH 200	VCH 200M
SINGLE CYLINDER CLAMPING DEVICE HYDRAULIC	1 NO	1 NO
HONING HEAD 34 MM TO 60 MM (1.5" - 2.2")	1 NO	1 NO
HONING HEAD 45 MM TO 65 MM (1.8" - 2.4")	1 NO	1 NO
HONING HEAD 65 MM TO 90 MM (2.4" - 3.6")	1 NO	1 NO
DOUBLE END SPANNER 20 - 22	1 NO	1 NO
ALLENKEY SET (9 NOS)	1 SET	1 SET
HONING STONE 8 X 8 X 75 400 C	4 NOS	4 NOS
HONING STONE 10 X 10 X 75 400 C	4 NOS	4 NOS
HONING STONE 6 X 6 X 75 400 C	4 NOS	4 NOS
HONING BUFF 8 X 8 X 75	4 NOS	4 NOS
HONING BUFF 10 X 10 X 75	4 NOS	4 NOS
HONING BUFF 6 X 6 X 75	4 NOS	4 NOS
ALLENKEY HANDLE TYPE 4 MM	1 NO	1 NO
FOUNDATION BOLT WITH NUT	4 NOS	4 NOS
CARRIER HOLDER (SMALL, MEDIUM & BIG)	3 NOS	3 NOS
OPERATION MANUAL	1 NO	1 NO

OTHER PRODUCTS

MODELS:
LBM 1000
LBM 1500
LBM 2500



LINE BORING MACHINE

MODELS:
VSG 1000V
VSG 1300V
VSG 1500V
VSG 1800V



VERTICAL HYDRAULIC
SURFACE GRINDING MACHINE

MODELS:
VCB 600V
VCB 800V
VCB 1200V
VCBM 1200V
VCB 1500V
VCBM 1500V
VCBM 2500V



VERTICAL CYLINDER PRECISION
FINE BORING MACHINE

MODELS:
VCH 350
VCH 450
VCH 450 EL



VERTICAL CYLINDER
HONING MACHINE

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STANDARD

VERTICAL CYLINDER PRECISION FINE BORING MACHINE

MODELS

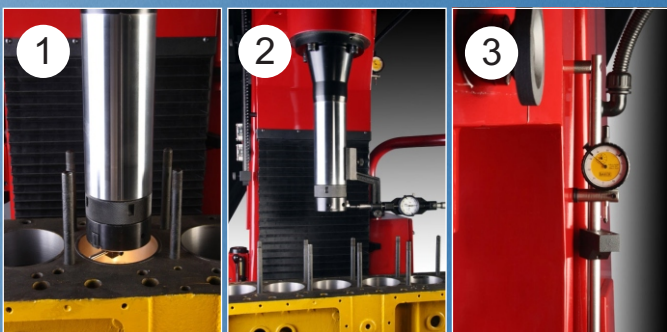
VCB 1200V

VCBM 1200V

VCB 1500V

VCBM 1500V

VCBM 2500V



This modern new generation boring machines with new technologies like servo motors controlled by programmable logic controls and operating is very easy. (optional)

- 1 Easy & quick bore centering and machining positioning is possible with in built dial indicator.
- 2 In boring spindle, you can take up the tool setting micrometer, for advantage accurate repeatable tool setting.
- 3 Easy & accurate measure the depth of face with dial indicator.

TECHNICAL SPECIFICATIONS	VCB 1200V	VCBM 1200V	VCB 1500V	VCBM 1500V	VCBM 2500V
BORING CAPACITY	62 - 135 MM	62 - 135 MM	48 - 220 MM	48 - 220 MM	62 - 265 MM
BORING CAPACITY WITH EXTRA SPINDLE	38 - 190 MM	38 - 190 MM	38 - 310 MM	38 - 310 MM	38 - 350 MM
MILLING LENGTH	-	1250 MM	-	1350 MM	2300 MM
MILLING WIDTH	-	350 MM	-	350 MM	400 MM
MAXIMUM BORING HEAD TRAVEL	600 MM	600 MM	700 MM	700 MM	850 MM
MAXIMUM DISTANCE HEAD TO TABLE	1300 MM	1300 MM	1340 MM	1340 MM	1500 MM
MAXIMUM DISTANCE BETWEEN OUTER CYLINDER CENTER	900 MM	900 MM	1200 MM	1200 MM	2500 MM
MAX WORK PIECE ON TABLE	750 KG	750 KG	1000 KG	1000 KG	2000 KG
SPINDLE SPEED MOTOR	1.5 KW / 2 HP	1.5 KW / 2 HP	1.5 KW / 2 HP	1.5 KW / 2 HP	2.2 KW / 3 HP
MOTOR RAPID & FEED	0.37 KW / 0.5 HP	0.37 KW / 0.5 HP	0.37 KW / 0.5 HP	0.37 KW / 0.5 HP	4KW SERVO MOTOR
LONGITUDINAL TABLE MOTORL	-	0.37 KW / 0.5HP	-	0.37 KW / 0.5HP	0.37 KW / 0.5HP
SPINDLE SPEEDS	50 TO 500 RPM	50 TO 500 RPM	50 TO 500 RPM	50 TO 750 RPM	50 - 500 RPM
SPINDLE FEEDS	12 - 50 MM / MIN	12 - 50 MM / MIN	12 - 50 MM / MIN	12 - 50 MM / MIN	10 - 50 MM / MIN
MAXIMUM DISTANCE FROM SPINDLE CENTER TO COLUMN	360 MM	360 MM (14.17")	410 MM	410 MM	500 MM
WORKING TABLE SIZE (L X W)	1200 x 360 MM	1200 x 360 MM	1500 x 450 MM	1500 x 450 MM	2500 x 600 MM
TABLE TRAVERSE - LONGITUDINAL	850 MM	1300 MM	1350 MM	1850 MM	2700 MM
TABLE TRAVERSE - CROSS WISE	75 MM	75 MM	120 MM	120 MM	150 MM
LENGTH OF THE MACHINE	1900 MM	2200 MM	2500 MM	2800 MM	3300 MM
WIDTH OF THE MACHINE	1300 MM	1300 MM	1420 MM	1440 MM	1800 MM
HEIGHT OF THE MACHINE	2440 MM	2440 MM	2525 MM	2525 MM	3050 MM
WORK SPACE REQUIRED (L X W)	2800 x 1700 MM	2880 x 1400 MM	4050 x 1520 MM	4050 x 1520 MM	4500 X 1850 MM
NET WEIGHT	2500 KGS	2650 KGS	3000 KGS	3500KGS	5000KGS
GROSS WEIGHT	3200 KGS	3300 KGS	3500 KGS	4000KGS	6000 KGS
PACKING CASE OUTER SIZE (L X W X H)	2140 x 1500 x 2330 MM	2140 x 2000 x 2330 MM	2500 x 2000 x 2330 MM	2500 x 2000 x 2330 MM	-
SHIPPING VOLUME	7M3	9M3	9 M3	9.5M3	15m3

STANDARD ACCESSORIES	VCB 1200V	VCBM 1200V	VCB 1500V	VCBM 1500V	VCBM 2500V
SETTING UP PARALLEL 100MM	1 PAIR	1 PAIR	1 PAIR	1 PAIR	1 PAIR
SETTING UP PARALLEL 200MM	1 PAIR	1 PAIR	1 PAIR	1 PAIR	1 PAIR
SETTING UP PARALLEL 300MM	NIL	NIL	NIL	NIL	1 PAIR
BORING SPINDLE DIA 46MM WITH CENTRING DEVICE	NIL	NIL	1NO	1NO	NIL
BORING SPINDLE DIA 60MM WITH CENTRING DEVICE	1 NO	1 NO	1 NO	1 NO	1 NO
BORING SPINDLE DIA 85MM WITH CENTRING DEVICE	1 NO	1 NO	1 NO	1 NO	1 NO
BORING SPINDLE DIA 125MM WITH CENTRING DEVICE	NIL	NIL	NIL	NIL	1 NO
BORING HEAD DIA 125 WITH CENTRING DEVICE	NIL	NIL	1 NO	1 NO	NIL
BORING HEAD DIA 175 WITH CENTRING DEVICE	NIL	NIL	1 NO	1 NO	1 NO
BORING HEAD DIA 225 WITH CENTRING DEVICE	NIL	NIL	NIL	NIL	1 NO
BORING TOOL DIA 18 X 37MM LONG	NIL	NIL	1 NO	1 NO	NIL
BORING TOOL DIA 18 X 47MM LONG	1 NO	1 NO	2 NOS	2 NOS	1 NO
BORING TOOL DIA 18 X 70MM LONG	2 NOS	2 NOS	2 NOS	2 NOS	2 NOS
BORING TOOL DIA 18 X 95MM LONG	1 NO	1 NO	3 NOS	3 NOS	4 NOS
CHAMFERING TOOL 46MM LONG	NIL	NIL	1 NO	1 NO	NIL
CHAMFERING TOOL 60MM LONG	1 NO	1 NO	1 NO	1 NO	1 NO
CHAMFERING TOOL 85MM LONG	1 NO	1 NO	3 NOS	3 NOS	4 NOS
C' SPANNER FOR DIA 85 SPINDLE	NIL	NIL	1 NO	1 NO	NIL
C' SPANNER FOR DIA 125 SPINDLE	NIL	NIL	NIL	NIL	1 NO
HEAD LOOSENING ROD	NIL	1 NO	1 NO	1 NO	1 NO
TOOL SETTING MICRO METER ASSEMBLY	1 NO	1 NO	1 NO	1 NO	1 NO
TOOL SETTING MICRO METER FIXING BRACKET & KNOB	1 NO	1 NO	2 NOS	2 NOS	3 NOS
ALLANKEY SET (9NOS)	1NO	1NO	1NO	1NO	1NO
TABLE GIB ADJUSTING HANDLE	1 NO	1 NO	NIL	NIL	NIL
DOUBLE END SPANNER 24/26	1 NO	1 NO	1 NO	1 NO	1 NO
DOUBLE END SPANNER 30/32	NIL	NIL	NIL	NIL	1 NO
T BOLT WASHER WITH NUT	12 NOS	12 NOS	16 NOS	16 NOS	20 NOS
BLOCK TIGHTENING CLAMP	4 NO	4 NO	4 NOS	4 NOS	4 NO
MILLING SPINDLE	NIL	1 NO	NIL	1 NO	1 NO
MILLING TOOLS INSERTER TYPE	NIL	NIL	NIL	1 NO	8 NOS
OIL GUN	1 NO	1 NO	1 NO	1 NO	1 NO
LEVELLING PLATE WITH BOLT	3 NOS	3 NOS	3 NOS	3 NOS	10 NOS
FOUNDATION BOLT WASHER & NUT	3 NOS	3 NOS	3 NOS	3 NOS	10 NOS
T HANDLE ALLENKEY 4MM	1 NO	1 NO	1 NO	1 NO	1 NO
T HANDLE ALLENKEY 5MM	1 NO	1 NO	1 NO	1 NO	1 NO
LIFTING HOLE COVER	2 NOS	2 NOS	2 NOS	2 NOS	2 NOS
DEPTH SETTING DEVICE WITH DIAL	NIL	1 NO	NIL	1 NO	NIL
OPERATION MANUAL	1 NO	1 NO	1 NO	1 NO	1 NO

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STANDARD

VERTICAL CYLINDER HONING MACHINE



MODELS

VCH 350, 450, 450EL

This machine is hydraulically & variable spindle speed and feeds, you can hone the bore with any hatch angle.

VERTICAL CYLINDER HONING MACHINE

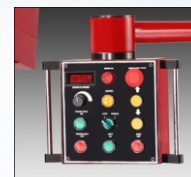
Stroke setting is fast, up & down movement with the push buttons and easy head movements



TECHNICAL SPECIFICATIONS	VCH 350	VCH 450	VCH 450EL
MINIMUM HONING DIAMETER	62 MM (2.5")	62 MM (2.5")	62 MM (2.5")
MAXIMUM HONING DIAMETER	140 MM (5.5")	200 MM (8")	200 MM (8")
HONING DIAMETER WITH EXTRA HONING HEAD	38 MM - 200 MM (1.5" - 8")	38 MM - 250 MM (1.5" - 10")	38 MM - 250 MM (1.5" - 10")
MINIMUM HONING STROKE	50 MM (1.96")	50 MM (1.96")	50 MM (1.96")
MAXIMUM HONING STROKE	350 MM (13.7")	450 MM (17.7")	450 MM (17.7")
STROKE SPEED (INFINITELY VARIABLE)	1 - 12 M / MIN	1 - 12M / MIN	1 - 12 M / MIN
SPINDLE SPEED VARIABLE	25 - 200 RPM - 2 HP DRIVE	25 - 200 RPM - 3 HP DRIVE	25 - 200 RPM - 3 HP DRIVE
MOTOR SPINDLE DRIVE	1.5 KW / 2 HP	1.5 KW / 2 HP	1.5 KW / 2 HP
MAX. BLOCK LENGTH	1100 MM (43")	1100 MM (43")	1400 MM (55.1")
MAX. BLOCK WIDTH	550 MM (21.7")	550 MM (21.7")	550 MM (21.7")
MAX. BLOCK HEIGHT	450 MM (17.7")	600 MM (23.6")	600 MM (23.6")
MOTOR POWER PACK	0.75 KW / 1 HP	0.75 KW / 1 HP	0.75 KW / 1 HP
ELECTRIC COOLANT PUMP MOTOR	0.09 K / 0.12 HP	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP
HONING HEAD TRAVERSE	1000 MM (39.3")	1000 MM (39.3")	1300 MM (51.2")
LENGTH OF THE MACHINE	1620 MM (63.7")	1620 MM (63.7")	1920 MM (75.5 ")
WIDTH OF THE MACHINE	1300 MM (51.2")	1300 MM (51.2")	1300 MM (51.2")
HEIGHT OF THE MACHINE	1750 MM (74")	1850 MM (73")	1850 MM (73")
WORK SPACE REQUIRED (LXWXH)	1700 X 1400 X1970 MM (67 X 55" X 77.5")	1700 X 1400 X2070 MM (67 X 55" X 81.5")	2000 X 1400 X 2070 MM (78.7"X55"X81.5")
NET WEIGHT (APPROX.)	720 KG	750 KGS	900 KGS
GROSS WEIGHT (APPROX.)	1200 KG	1250 KGS	1600 KGS
PACKING CASE OUTER SIZE (LXWXH)	1900 X 1500 X 1950 MM (74.8" X 59" X 85")	1900 X 1500 X 2145 MM	2200 X 1500 X 2145 MM (86.6"X65"X84.4")
SHIPPING VOLUME	6M3	6 M3	8 M3

STANDARD ACCESSORIES	VCH 350	VCH 450	VCH 450EL
SETTING UP PARALLEL 100 MM HEIGHT X 500 MM LONG	1 PAIR	1 PAIR	1 PAIR
SETTING UP PARALLEL 100 MM HEIGHT X 650 MM LONG	NIL	NIL	1 PAIR
HONING HEAD 62 MM TO 140 MM (2.5" - 5.5")	1 NO	1 NO	1 NO
HONING HEAD 115 MM TO 215 MM (4.5" - 8.5")	NIL	NIL	1 NO
DOUBLE END SPANNER 20 / 22	1 NO	1 NO	1 NO
DOUBLE END SPANNER 24 / 26	1 NO	1 NO	1 NO
HANDLE TYPE ALLEN KEY 4 MM	1 NO	1 NO	1 NO
ALLEN KEY SET (9NOS)	1 NO	1 NO	1 NO
T-BOLT WITH NUT & WASHER	4 NOS	4 NOS	4 NOS
SETTING UP PARALLEL TIGHTENING BOLT NUT AND WASHER	2 NOS	2 NOS	6 NOS
BLOCK TIGHTENING CLAMP	4 NOS	4 NOS	4 NOS
FOUNDATION BOLT WASHER & NUT	4 NOS	4 NOS	4 NOS
OPERATION MANUAL	1 NO	1 NO	1 NO
EXTENSION HOLDER	1 NO	1 NO	1 NO
CARRIER HOLDER(MEDIUM & BIG)	1 NO	1 NO	1 NO
HONING BUFF	2 NOS	2 NOS	2 NOS

OPTIONAL ACCESSORIES
QUICK CLAMPING DEVICE.
V TYPE BLOCK CLAMPING FIXTURE
FRICTION FEED HONE HEAD
STROKE COUNTER



LCD Display is the friendly feature for the quick identification of the honing speeds

OTHER PRODUCTS

MODELS:
LBM 1000
LBM 1500
LBM 2500



LINE BORING MACHINE

MODELS:
VSG 1000V
VSG 1300V
VSG 1500V
VSG 1800V



VERTICAL HYDRAULIC
SURFACE GRINDING MACHINE

MODELS:
VCB 600V
VCB 800V
VCB 1200V
VCBM 1200V
VCB 1500V
VCBM 1500V
VCBM 2500V



VERTICAL CYLINDER PRECISION
FINE BORING MACHINE

MODELS:
CRB 450V
CRB 600V



CONNECTING ROD
BORING MACHINE

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STANDARD

VERTICAL HYDRAULIC SURFACE GRINDING MACHINE



MODELS

Variable milling speeds
Hydraulically operated table movements

VSG 1000V, 1300V, 1500V & 1800V

VERTICAL HYDRAULIC SURFACE GRINDING MACHINE



↓ VSG 1800V



Easy & perfect angle of wheel dressing mechanism

TECHNICAL SPECIFICATIONS	VSG 1000V	VSG 1300V	VSG 1500V	VSG 1800V
MAX.AUTOMATIC TABLE TRAVERSE	1000 MM (39")	1300 MM (51")	1500 MM (59")	1800 MM (71")
HEAD VERTICAL TRAVERSE	600 MM (24")	600 MM (24")	720 MM (28.3")	900 MM (35.45")
SEGMENT WHEEL DIA	350 MM (14")	350 MM (14")	400 MM (15.7")	450 MM (17.7")
MAX. MILLING WIDTH	300 MM (11.8")	300 MM (11.8")	300 MM (14")	400 MM (15.75")
MAX.GRINDING WIDTH	350 MM (14")	350 MM (14")	400 MM (15.7")	450 MM (17.7")
MAX. GRINDING LENGTH	750 MM (30")	1000 MM (41")	1200 MM (47")	1500 MM (59")
MIN./MAX.DISTANCE BETWEEN TABLE & SEGMENT WHEEL	0 - 600 MM (0-24")	0 - 600 MM (0-24")	0 - 720 MM (0-28.4")	0 - 900 MM (0 - 35.5")
DISTANCE FROM COLUMN TO TABLE CENTER	350 MM (14")	350 MM (14")	350 MM (14")	396 MM (15.6")
GRINDING SPINDLE ROTATION SPEED	1440 RPM	1440 RPM	1440 RPM	900 RPM
MILLING SPEED VARIABLE	80 - 700 RPM	80 - 700 RPM	80 - 700 RPM	80 - 600 RPM
MIN./MAX.TABLE FEED SPEED (STEPLESSLY VARIABLE)	0 - 4500 MM / MIN.	0 - 4500 MM / MIN.	0 - 4500 MM / MIN.	0 - 4500 MM / MIN
SPINDLE MOTOR	3.75 - 0.75 K.W / 5 -1 HP	3.75 - 0.75 K.W / 5 -1 HP	5.5 KW / 7.5 HP	7.5 KW / 10 HP
HEAD RAPID FEED MOTOR	0.19 KW / 0.25 HP	0.19 KW / 0.25 HP	0.19 KW / 0.25 HP	0.44 KW servo motor
HYDRAULIC SYSTEM MOTOR	0.75 KW / 1 HP	0.75 KW / 1 HP	0.75 KW / 1 HP	1.1 KW / 1.5 HP
COOLANT PUMP MOTOR	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP	0.09 KW / 0.12 HP
LENGTH OF MACHINE	2180 MM (86")	2480 MM (95")	2600 MM (103")	4000 MM (157")
WIDTH OF MACHINE	1200 MM (47.25")	1200 MM (47.25")	1200 MM (47")	1300 MM (51")
HEIGHT OF MACHINE	1900 MM (75")	1900 MM (75")	2050 MM (81")	2250 MM (89")
WORK SPACE REQUIRED (LXW)	2900 X 1500 MM (110" X 59")	3100 X 1500 MM (110" X 59")	3800 X 1500 MM (122" X 59")	5750 MM X 1600 MM
WORK HEIGHT REQUIRED	2050 MM (81")	2050 MM (81")	2150 MM (85")	2350 MM (93")
NET WEIGHT	1300 KG (APPROX.)	1500 KG (APPROX.)	1850 KG (APPROX.)	3000 Kg (APPROX)
GROSS WEIGHT	2000 KG (APPROX.)	2420 KG (APPROX.)	2500 KG (APPROX.)	3250 Kg (APPROX)
PACKING CASE OUTER SIZE (LXWXH)	2350 X 1400 X 2205 MM (93" X 55" X 87")	2650 X 1400 X 2205 MM (104" X 55" X 87")	2900 X 1400 X 2360 MM (114" X 55" X 93")	4250 X 1500 X 2485 MM (114" X 55" X 93")
SHIPPING VOLUME	8 M 3	8 M 3	9 M 3	15 M3

STANDARD ACCESSORIES	VSG 1000V	VSG 1300V	VSG 1500V	VSG 1800V
SETTING UP PARALLEL 135 HEIGHT	1 PAIR	1 PAIR	1 PAIR	1 PAIR
SEGMENT WHEEL	1 NO	1 NO	1 NO	1 NO
SEGMENT STONES	8 NOS	8 NOS	8 NOS	8 NOS
T-BOLT WITH NUT AND WASHER	8 NOS	8 NOS	8 NOS	8 NOS
BLOCK TIGHTENING CLAMP	4 NOS	4 NOS	4 NOS	4 NOS
HEAD CLAMPING DEVICE	1 SET	1 SET	1 SET	1 SET
WHEEL BALANCING SHAFT WITH NUT	1 NO	1 NO	1 NO	1 NO
GRINDING WHEEL DRESSER	1 SET	1 SET	1 SET	1 SET
COOLANT TANK WITH ELECTRIC PUMP	1 NO	1 NO	1 NO	1 NO
DOUBLE END SPANNER (22- 24)	1 NO	1 NO	1 NO	1 NO
ALLANKEY SET (9 NOS)	1 SET	1 SET	1 SET	1 SET
LEVELLING PLATES WITH BOLTS	3 NOS	3 NOS	3 NOS	3 NOS
FOUNDATION BOLT WITH NUTS	3 NOS	3 NOS	3 NOS	3 NOS
MILLING TOOL DIA. 12MM	1 NO	1 NO	1 NO	1 NO
SEGMENT WHEEL PULLER	1 NO	1 NO	1 NO	1 NO
HANDLE TYPE ALLENKEY 4MM	1 NO	1 NO	1 NO	1 NO
DIALING ROD	1 NO	1 NO	1 NO	1 NO
OPERATING MANUAL	1 NO	1 NO	1 NO	1 NO

OPTIONAL ACCESSORIES
WHEEL BALANCER
ROLL OVER FIXTURE
SETTING UP PARALLEL 50MM HEIGHT
SETTING UP PARALLEL 250MM HEIGHT
UNIVERSAL HEAD CLAMPING FIXTURE
FLY WHEEL & CLUTCH PLATE GRINDING ATTACHMENT



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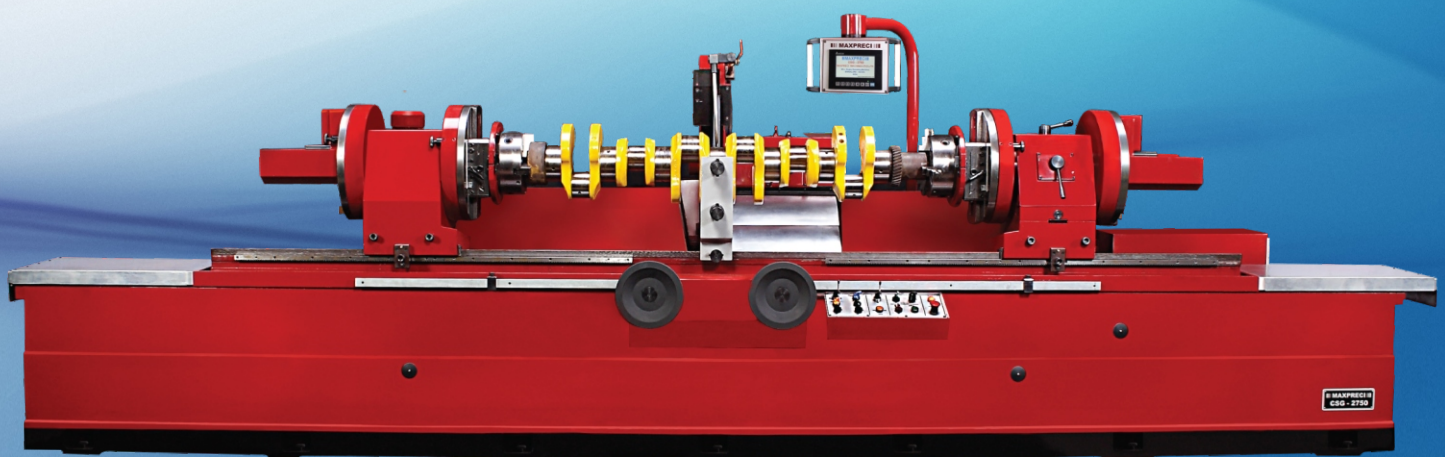
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STANDARD

CRANK SHAFT GRINDING MACHINES

- ▶ Programmable touch screen display
- ▶ Strong & rigid steady rest
- ▶ Accurate radius dressing mechanism



MODELS

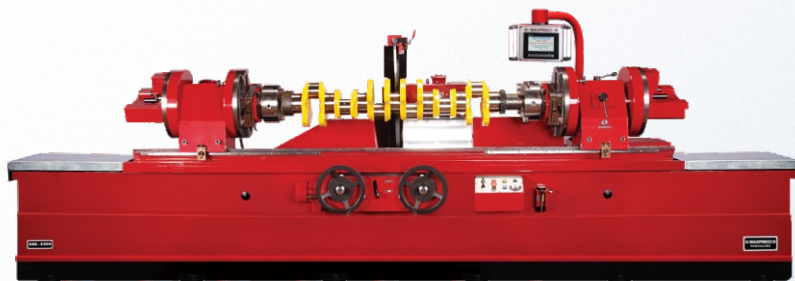
Crank shaft grinding with new
Technologies & Innovative systems

CSG 1500, 2200, 2750

CRANK SHAFT GRINDING MACHINES

Crank shaft grinding with new technologies & innovative systems, this systems will achieve accurate and fast grinding in this engine rebuilding sector.

CSG 1500 ▶

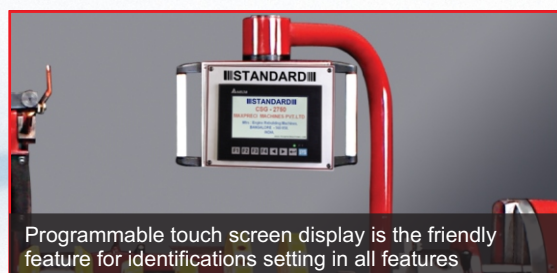


TECHNICAL SPECIFICATIONS	CSG 1500	CSG 2200	CSG 2750
HEIGHT OF CENTRE FROM THE TABLE	265 MM	300 MM	350 MM
MAXIMUM SWING OVER TABLE	530 MM	600 MM	700 MM
MAXIMUM HEAD OFFSET	100 MM	140 MM	140 MM
MAXIMUM DISTANCE BETWEEN CHUCK	1450 MM	2150 MM	2725 MM
MAXIMUM DISTANCE BETWEEN CENTERS	1500 MM	2200 MM	2800 MM
MAXIMUM WEIGHT ADMITTED BETWEEN CENTRE	250 KGS	500 KGS	1250 KGS.
DIAMETER OF SELF CENTERING CHUCKS	200 MM	250 MM	250 MM
DIAMETER OF GRINDING WHEEL	710 MM	813 MM	813 MM
GRINDING HEAD FEED PER TURN OF HANDLE WHEEL	1 MM	1 MM	1 MM
GRINDING HEAD TRAVERSE WITH CONTROL	150 MM	175 MM	350 MM
WORK HEAD SPINDLE ROTATION SPEED (VARIABLE)	25 -100 RPM	25 -100 RPM	25 -100 RPM
TABLE SLOW FEED PER TURN OF HAND WHEEL	5.4 MM	5.4 MM	5 MM
TABLE FAST FEED PER TURN OF HAND WHEEL	15.2 MM (MANUAL)	3000 MM / Min.	3000 MM / Min.
AUTOMATIC TABLE MOVEMENT	Optional	YES	YES
INFINITY VARIABLE GRINDING WHEEL SPINDLE ROTATION	900 RPM	760 RPM	760 RPM
GRINDING WHEEL MOTOR	5 HP / 1440 RPM	7.5 HP/ 1440 RPM	7.5 HP / 1440 RPM
WORK HEAD MOTOR	0.5 HP /1440 RPM	0.5 HP / 1440 RPM	1 HP / 0.75 KW / 1440 RPM
COOLANT PUMP MOTOR	0.13 HP / 2800 RPM	0.13 HP/ 2800 RPM	0.13 HP / 2800 RPM
SERVO CONTROL MOTOR (GRINDING WHEEL SLIDE)	0.4 KW	0.4 KW	0.4 KW
LENGTH OF THE MACHINE	3500 MM	4500 MM	5400 MM
WIDTH OF THE MACHINE	1750 MM	1750MM	2250 MM
HEIGHT OF THE MACHINE	1550MM	1650 MM	1650 MM
WORK SPACE REQUIRED	5500 MM x 2000 MM	5100 MM x 1900 MM	7000 MM X 2000 MM
WORK HEIGHT REQUIRED	1550 MM	1650 MM	1650 MM
NET WEIGHT	3.25 TONS	4 TON	5 TON
GROSS WEIGHT	4 TONS	4.5 TON	6.5 TON
PACKING CASE OUTER SIZE (L X W X H)	3350 x 2000 x 2020 MM	4350 x 2000 x 2020 MM	5640 X 2000 x 2290 MM
SHIPPING VOLUME	15M3	17M3	17 M3

STANDARD ACCESSORIES	VSG 1500	CSG 2200	CSG 2750
SELF CENTRING CHUCK WITH KEY	02 NOS	02 NOS	02 NOS
FACE & SIDE DRESSER ASSEMBLY WITH DIAMOND DRESSER	01 NO	01 NO	01 NO
CENTRES	02 NOS	02 NOS	02 NOS
STEADY REST	01 NO	01 NO	01 NO
CRANK CENTRING V GAUGE	1 NO	1 NO	1 NO
RADIUS DRESSER	1 NO	1 NO	1 NO
WHEEL HUB	1 NO	1 NO	1 NO
GRINDING WHEEL	1 NO	1 NO	1 NO
RATCHET SPANNER	1 NO	1 NO	1 NO
DOUBLE END SPANNER 22/24	1 NO	1 NO	1 NO
SINGLE END SPANNER 46	1 NO	1 NO	1 NO
ALLEN KEY SET (9 NOS)	1 SET	1 SET	1 SET
WHEEL HUB PULLER	1 NO	1 NO	1 NO
WHEEL BALANCING ARBOUR WITH NUT	1 NO	1 NO	1 NO
LEVELLING PLATES WITH BOLT	12 NOS	12 NOS	10 NOS
BAKER DIAL 10MM	1 NO	1 NO	1 NO
FOUNDATION BOLT	12 NOS	12 NOS	10 NOS
COOLANT SYSTEM	1 NO	1 NO	1 NO
SPLASH GUARD	1 SET	1 SET	1 SET
SPINDLE NUT TIGHTENING SPANNER	1 NO	1 NO	1 NO
LIFTING HOLE COVER	6 NOS	6 NOS	6 NOS
CRANK TRUING GAUGE WITH DAIL	1 NO	1 NO	1 NO
BALANCING WEIGHT EXTRA	4 NOS	4 NOS	2NOS
BALANCING WEIGHT FIXING BOLT M16 X 110	4 NOS	4 NOS	4 NOS
FACE PLATE PULLER	1 NO	1 NO	1 NO
FACE PLATE TIGHTENING SPANNER	1 NO	1 NO	1 NO
BALL SCREW ROD NUT TIGHTENING SPANNER	1 NO	1 NO	1 NO
ALLENKEY 14MM	1 NO	1 NO	1 NO
CHUCK JAW	2 SET	2 SET	2 SET
OPERATION MANUAL	1 NO	1 NO	1 NO

OPTIONAL ACCESSORIES

WHEEL BALANCER



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STANDARD

**VERTICAL CYLINDER
PRECISION FINE
BORING MACHINE**



MODEL

VCB 800V

HIGHLIGHTS

- ▶ Base, Cross Slide, Table, Column and Boring head (gear box) are of fine-grained, graded alloy casting, stress relief after rough machining ensures rugged and vibration free operation of the machine.
- ▶ Boring head setting with tapered gibs to avoid vibration and achieve better boring accuracy.
- ▶ Auto stop of spindle rotation and rapid return of boring head after completion of boring operation.
- ▶ Anti-friction wear resistant liners provided on all sliding surfaces of the boring head to minimise wear and tear.
- ▶ Tool setting micrometer can be fixed on the boring spindle to achieve accurate tool setting.
- ▶ Spindle speed and feed combination to achieve better surface finish and fast boring operation.
- ▶ Manual fine feed hand wheel for counter boring and chamfering located on the right hand side of the boring head for easy operation.
- ▶ Control box for various functions has been provided on the right hand side and at a comfortable position.
- ▶ Can bore 'V' type cylinder blocks with 'V' type cylinder block clamping fixture. (Optional Accessories)
- ▶ Gear box sliding guideways are fully covered by bellows.

TECHNICAL SPECIFICATIONS	VCB 800V
BORING RANGE	DIA 48-95 MM
BORING RANGE (OPTIONAL)	DIA 38-135 MM
SPINDLE SPEED (INFINITELY VARIABLE)	80-550 RPM/MIN
SPINDLE FEED (INFINITELY VARIABLE)	8 MM TO 40 MM/MIN
CENTERING SPEED	50 RPM
MAX. BORING HEAD TRAVEL	400 MM
MAX. DISTANCE FROM SPINDLE CENTER TO COLUMN	300 MM
MIN. DISTANCE FROM TABLE TOP TO BOTTOM PART	460 MM
MAX. DISTANCE FROM TABLE TOP TO BOTTOM PART	860 MM
TABLE SURFACE	800 X 320 MM
TABLE TRAVERSE LONGITUDINAL	750 MM
TABLE MOVEMENT CROSSWISE	60 MM
MAX. DISTANCE BETWEEN OUTER CYLINDER CENTERS	725 MM
SPINDLE MOTOR	3PH, 075 KW/1HP, 950 RPM
RAPID MOTOR	3PH, 037 KW/0.5HP, 1340 RPM
LENGTH OF THE MACHINE	1500 MM
WIDTH OF THE MACHINE	1150 MM
HEIGHT OF THE MACHINE	2025 MM
NET WEIGHT APPROX.)	1200 KG
GROSS WEIGHT (APPROX.)	1600 KG
PACKING SIZE (OUTER)	1160 X 1230 X 2230 MM
SHIPPING VOLUME	5 M3

STANDARD ACCESSORIES	VCB 800V
SETTING UP PARALLEL	1 PAIR.
TOOL SETTING MICROMETER	1 NO.
TSM FRAME WITH KNOB	1 NO.
M16 T-BOLT WITH WASHER AND NUT	8 NOS.
BLOCK TIGHTENING CLAMPS	4 NOS.
T-HANDLE ALLENKEY 4MM	1 SET.
T-HANDLE ALLENKEY 3MM	1 NO.
ALLENKEY SET (9 NOS)	1 NO.
BORING SPINDLE (DIA 46)	1 NO.
BORING SPINDLE (DIA 60)	1 NO.
CENTERING DEVICE (FOR DIA 46 BORING SPINDLE)	1 NO.
CENTERING DEVICE (FOR DIA 60 BORING SPINDLE)	1 NO.
BORING TOOLS DIA 18 X 37 & 18 X 47 (FOR SPINDLE DIA 46)	1 NO. EACH
BORING TOOLS DIA 18 X 47 & 18 X 70 (FOR SPINDLE DIA 60)	1 NO. EACH
CHAMFERING TOOLS (FOR SPINDLE DIA 46)	1 NO.
CHAMFERING TOOLS (FOR SPINDLE DIA 60)	1 NO.
FOUNDATION BOLT WITH NUT	3 NOS.
LEVELLING PLATE	3 NOS.
LEVELLING BOLT	3 NOS.
DOUBLE ENDED SPANNER, 22 / 24	1 NO.
LIFTING HOLE COVER	2 NOS.
OPERATION MANUAL	1 NO.

OTHER PRODUCTS

MODELS:
LBM 1000
LBM 1500
LBM 2500



LINE BORING MACHINE

MODELS:
VSG 1000V
VSG 1300V
VSG 1500V
VSG 1800V



VERTICAL HYDRAULIC
SURFACE GRINDING MACHINE

MODELS:
CRB 450V
CRB 600V



CONNECTING ROD
BORING MACHINE

MODELS:
VCH 350
VCH 450
VCH 450 EL



VERTICAL CYLINDER
HONING MACHINE

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STANDARD

CONNECTING ROD BORING MACHINE



Con-rod boring machines is solid & vibration free structure, main advantage is speed & feed is variable, accurate tool setting in microns, and excellent boring finish.

MODELS
CRB 450V & 600V

TECHNICAL SPECIFICATIONS	CRB 450V	CRB 600V
BORE CENTER DISTANCE	80 MM TO 450 MM (3.1" X 17.7")	80 MM TO 600 MM (3.1" X 23.6")
BORING SPINDLE SPEED	INFINITY VARIABLE 100 -1000 RPM	INFINITY VARIABLE 100 -1000 RPM
BORING RANGE	15 MM TO 140 MM (0.6"-5.5")	15 MM TO 175 MM (0.6"- 7")
BOTTOM PART TRAVERSE CROSSWISE	50 MM (1.97")	50 MM (1.97")
TABLE MOVEMENT LONGITUDINAL	300 MM (11.8")	300 MM (11.8")
A.C MOTOR	1.5 KW / 2 HP	1.5 KW / 2 HP
D.C. MOTOR	0.19 KW / 0.25 HP	0.19 KW / 0.25 HP
LENGTH OF THE MACHINE	1300 MM (51")	1300 MM (51")
WIDTH OF THE MACHINE	800 MM (31.5")	800 MM (31.5")
HEIGHT OF THE MACHINE	1700 MM (67")	1850 MM (73")
WORK SPACE REQUIRED(LxWxH)	1800MM X 1100 MM X 1850 MM (71"x43"x73")	1800 MM X 1100 MM X 2000 MM (71"x43"x79")
NET WEIGHT(APPROX)	725 KGS	775 KGS
GROSS WEIGHT(APPROX)	925 KGS	1100 KGS
SHIPPING VOLUME	3M3	3 M3
PACKING CASE OUTER SIZE(LxWxH)	1500 MM X 950 MM X 1905 MM	1500 MM X 950 MM X 2055 MM

STANDARD ACCESSORIES	CRB 450V	CRB 600V
BORING SPINDLE DIA 14	1 NO	1 NO
BORING SPINDLE DIA 25	1 NO	1 NO
BORING SPINDLE DIA 40	1 NO	1 NO
BORING SPINDLE DIA 90	1 NO	1 NO
BORING TOOL	6 NOS	6 NOS
TSM. FRAME SMALL	1 NO	1 NO
TSM FRAME BIG WITH KNOB	1 NO	1 NO
TOOL SETTING MICROMETER	1 NO	1 NO
CENTERING DEVICE	1 NO	1 NO
NYLON PLUG	4 NOS	4 NOS
CON-ROD FIXING "V" BLOCK WITH PIN	1 NO	1 NO
CON ROD CLAMPING COLLAR DIA 28 MM	1 NO	1 NO
CON ROD CLAMPING COLLAR DIA 40 MM	1 NO	1 NO
CON ROD CLAMPING COLLAR DIA 48 MM	1 NO	1 NO
CON ROD CLAMPING COLLAR DIA 75 MM	1 NO	1 NO
CON ROD CLAMPING COLLAR DIA 100 MM	1 NO	1 NO
TAPER PINS FOR CON ROD CLAMPING	10 NOS	10 NOS
TOOL ADJUSTING BRACKET WITH KNOB	1 NO	1 NO
CENTRING CONE SMALL	1 NO	1 NO
CENTRING CONE BIG	1 NO	1 NO
OIL GUN	1 NO	1 NO
ALLEN KEY SET (9 NOS)	1 NO	1 NO
FOUNDATION BOLT WITH NUT	4 NOS	4 NOS
LEVELLING PLATE WITH BOLT	4 NOS	4 NOS
ECCENTRIC PLUG	1 NO	1 NO
LIFTING HOLE COVER	4 NOS	4 NOS

A bore centering dial gauge for helps quick truing of bore with in actual machining position.



LCD Display is the friendly feature for quick identification of boring speeds.



OTHER PRODUCTS

MODELS:
LBM 1000
LBM 1500
LBM 2500



LINE BORING MACHINE

MODELS:
VSG 1000V
VSG 1300V
VSG 1500V
VSG 1800V



VERTICAL HYDRAULIC
SURFACE GRINDING MACHINE

MODELS:
VCB 600V
VCB 800V
VCB 1200V
VCBM 1200V
VCB 1500V
VCBM 1500V
VCBM 2500V



VERTICAL CYLINDER PRECISION
FINE BORING MACHINE

MODELS:
VCH 350
VCH 450
VCH 450 EL



VERTICAL CYLINDER
HONING MACHINE

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STANDARD

Wide range of Engine Rebuilding Machines with New Generation Technology



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has now established itself as the highly esteemed brand for Engine Rebuilding
New Technology Machines in India. Its fast expanding innovation in the machine tool
industry dates back to 1995, when it started as sister concern of Maxpreci, in the year 2002.

MODELS
VCB 600V
VCB 800V
VCB 1200V
VCBM 1200V
VCB 1500V
VCBM 1500V
VCBM 2500V



VERTICAL CYLINDER PRECISION
FINE BORING MACHINE

MODELS
VCH 350
VCH 450
VCH 450 EL



VERTICAL CYLINDER HONING MACHINE

MODELS
VCH 200
VCH 200M



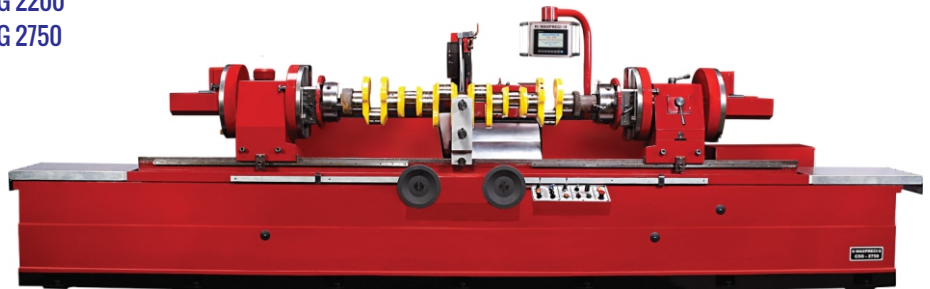
TWO WHEELER SINGLE CYLINDER
HONING MACHINE

MODELS
VSG 1000V
VSG 1300V
VSG 1500V
VSG 1800V



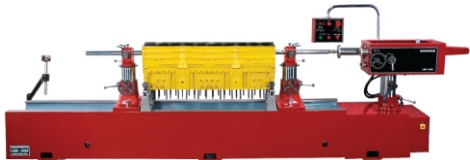
VERTICAL HYDRAULIC SURFACE
GRINDING MACHINE

MODELS
CSG 1500
CSG 2200
CSG 2750



CRANK SHAFT GRINDING MACHINE

MODELS
LBM 1000
LBM 1500
LBM 2500



LINE BORING MACHINE

MODELS
CRB 450V
CRB 600V



CONNECTING ROD BORING MACHINE



TOOL GRINDER TG 150

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