BANKA®

LATHE & TOOL ROOM MACHINES · RAJKOT, INDIA · SINCE 1977

PRODUCT SUMMARY

REFERENCE **BM-261108-0203**

DATE **08 Nov 2026**

PRICES VALID UNTIL **15 Nov 2026**

MANUAL SURFACE GRINDER MACHINES

SURFACE GRINDER MACHINE-SCOUR 450 MANUAL

Surface Grinder | Manual | SCOUR 450

PRICE (EXCLUDING GST)

Rs. 3,55,000

Rs. 4,18,900 including 18% GST



Key specifications

Standard specification; customisation available on request.

Table Size	**450 x 230mm**	Spindle Motor	**1.5 HP**
Net Weight	**1000 KG**	Longitudinal Travel	**500 mm**
Cross Travel	**250 mm**	Coolant Motor	**0.5 HP**

Price summary

Current price on ravimachines.com as on 08 Nov 2026.

#	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
1	**SURFACE GRINDER MACHINE-SCOUR 450 MANUAL** View product details online	1	Rs. 3,55,000	**Rs. 3,55,000**

Sub-total	Rs. 3,55,000
GST @ 18%	Rs. 63,900
Grand total	**Rs. 4,18,900**

Rupees Four Lakh Eighteen Thousand Nine Hundred Only

Features

BANKA Manual Surface Grinders typically have several key features that make them versatile and effective tools for grinding operations:

MANUAL OPERATIONS

They are operated manually, which gives the operator control over the grinding process, including feed rate and depth of cut.

ADJUSTABALE TABALE

The table can be adjusted both longitudinally and across the width of the grinder, allowing for precise positioning of the workpiece.

GRINDING WHEEL

Equipped with a grinding wheel that rotates at high speeds to grind the surface of the workpiece. The size and type of the grinding wheel can vary based on the application.

MAGNETIC CHUCK

Often equipped with a magnetic chuck that securely holds ferromagnetic materials in place during grinding, ensuring stability and accuracy.

WHEEL GUARD

A protective cover around the grinding wheel to ensure operator safety and to contain debris.

COOLANT SYSTEM

Some models may have a coolant system to keep the grinding area cool and to wash away grinding swarf, which helps to prolong the life of the grinding wheel.

HANDWHEEL CONTROLS

Handwheels or levers are used to manually control the movement of the grinding wheel and the table, allowing for precise adjustments.

These features combine to make manual surface grinders essential tools in various industries where precision grinding of metal surfaces is required.

Specifications

MANUAL SURFACE GRINDER SPECIFICATION

MODEL NO	SCOUR 450	SCOUR 500	SCOUR 600
Table Size	**450 x 230mm**	**500 x 250mm**	**600 x 300mm**
Longitudinal table Travel	500 mm	520mm	620mm
Cross Table Travel	250 mm	270mm	325mm
Max. Distance From the spindle center to the worktable Surface	430 mm	430 mm	430 mm
Safety Load of Bench(in max.)	100 kg	100 kg	150 kg
Grinding Capacity: L x W x H	450 x 230 x 330mm	500 x 250 x 330mm	600 x 300 x 300mm
T-slot	12 x 1	12 x 1	14 x 1
Net Weight	1000 KG	1600 KG	2000 KG
Cross-hand wheel per Graduation	0.02 mm/Div	0.02 mm/Div	0.02 mm/Div
Spindle motor	1.5Hp	1.5HP-	2 HP
Lifting motor	0.25 HP	0.25 HP	0.25 HP
Grinding Wheel size (D x W x D)	200 x 16 x 32 mm	200 x 16 x 32 mm	200 x 16 x 32 mm
Spindle Speed	2850 r/min	2850 r/min	2850 r/min
Max. Movement of Vertical mechanism	430 mm	430 mm	400 mm
Vertical fine adjustment revolution	0.15 mm	0.15 mm	0.15 mm
Vertical per fine adjustment graduation	0.002 mm	0.002 mm	0.002 mm
Coolant Motor	0.5HP	0.5HP	0.5 HP
All Over Dimensions- MM	1200 x 1050 x 1500	1250 x 1200 x 1700	1900 x 1200 x 1900

Description

BANKA MANUAL SURFACE GRINDER

A Manual Surface Grinder is a precision machine tool used for grinding flat surfaces on metal and other materials. It is manually operated, allowing the operator to control the grinding process by adjusting the table movement, feed rate, and depth of cut.

The machine consists of a rotating grinding wheel mounted on a spindle, which removes material from the workpiece to achieve high-precision finishes. The workpiece is typically held in place by a magnetic chuck or other clamping methods. The operator moves the table back and forth, while the grinding wheel gradually removes material, ensuring a smooth and accurate surface finish.

KEY COMPONENTS

1. GRINDING WHEEL

- Used for cutting and finishing surfaces.

2. MAGNETIC CHUCK

- Holds ferromagnetic materials securely in place.

3. HANDWHEEL CONTROL

- Adjust the movement of the table and grinding wheel.

4. WORK TABLE

- Supports and moves the workpiece during grinding.

5. WHEEL GUARD

- Ensures safety by covering the grinding wheel.

6. COOLANT SYSTEM

- (Optional) - Helps reduce heat and remove grinding debris.

APPLICATIONS OF USE

- Precision machining of flat surfaces.
- Tool and die-making.
- Grinding hardened steel, cast iron, and other metals.
- Refinishing worn-out machine parts.

Manual surface grinders are commonly used in workshops, tool rooms, and small manufacturing units, where high-precision surface grinding is required at an affordable cost.

Free accessories included with the machine

6 items supplied at no extra cost.

+ Permanent Magnetic Chuck
+ Machine Lamp
+ Lubrication System for Oil
+ Coolant System with complete Assembly
+ Tool Box
+ Manual Book for Machine Guidance

Similar machines you may consider

Compare models in the same range. Prices exclude GST.



HYDRAULIC SURFACE...

MODEL SCOUR 1000

Table Size: 1000 x 400mm

Spindle Motor: 7 HP

Rs. 16,25,000

View details →



HYDRAULIC SURFACE...

MODEL SCOUR 450

Table Size: 450 x 230mm

Spindle Motor: 1.5 HP

Rs. 5,75,000

View details →



HYDRAULIC SURFACE...

MODEL SCOUR 500

Table Size: 500 x 250mm

Spindle Motor: 1.5 HP

Rs. 6,25,000

View details →



HYDRAULIC SURFACE...

MODEL SCOUR 600

Table Size: 600 x 300mm

Spindle Motor: 2 HP

Rs. 8,25,000

View details →

The Banka promise

3-Year Warranty
Against manufacturing defects in major components.

Transit Damage Covered
Full responsibility for transport damage; safe packing free.

Fast Delivery
Ready-stock delivery across India in about 10 days.

Video-Call Support
Free start-up demo and quick remote technical help.

Terms & conditions

- All prices are in Indian Rupees and exclude GST; GST @ 18% is extra.
- Price validity: 7 days from the date of issue. Prices are taken live from ravimachines.com on that date.
- Warranty: 3-year warranty against manufacturing defects.
- Delivery: Free delivery, subject to Banka Machines' confirmation.
- Ready stock: 100% advance payment before dispatch; dispatched within 2 working days of full payment.
- Made to order: 50% advance on purchase order confirmation and 50% before dispatch.
- Accessory prices are standard catalogue prices; size-specific items (chucks, motors) are confirmed with your order.

Ready to order or need a custom quote?

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