BANKA®

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

PRODUCT SUMMARY

REFERENCE **BM-261107-0199**

DATE **07 Nov 2026**

PRICES VALID UNTIL **14 Nov 2026**

HYDRAULIC SURFACE GRINDER MACHINES

HYDRAULIC SURFACE GRINDER MACHINE

MODEL SCOUR 450

Surface Grinder | Hydraulic | SCOUR 450

PRICE (EXCLUDING GST)

Rs. 5,75,000

Rs. 6,78,500 including 18% GST



Key specifications

Standard specification; customisation available on request.

Table Size	**450 x 230mm**	Spindle Motor	**1.5 HP**
Net Weight	**1200 KG**	Longitudinal Travel	**500 mm**
Cross Travel	**250 mm**	Coolant Motor	**0.5 HP**

Price summary

Current price on ravimachines.com as on 07 Nov 2026.

#	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
1	**HYDRAULIC SURFACE GRINDER MACHINE - MODEL SCOUR 450** View product details online	1	Rs. 5,75,000	**Rs. 5,75,000**

Sub-total	Rs. 5,75,000
GST @ 18%	Rs. 1,03,500
Grand total	**Rs. 6,78,500**

Rupees Six Lakh Seventy Eight Thousand Five Hundred Only

Features

BANKA Scour Model Hydraulic surface grinders come with several key features that make them efficient and precise for grinding operations:

Hydraulic System

This is the core feature that allows for smooth and consistent movement of the grinding wheel and workpiece. Hydraulic systems provide precise control over the grinding process, which is crucial for achieving accurate surface finishes.

Automatic Cross Feed

Many hydraulic surface grinders have automatic cross feed mechanisms, which can be programmable. This feature enables the grinder to automatically feed the grinding wheel across the workpiece, ensuring uniform material removal and reducing operator fatigue.

Variable Speed Spindle

Some models offer variable speed spindles, allowing operators to adjust the rotational speed of the grinding wheel based on the material being ground and the desired surface finish.

Magnetic Chuck

Hydraulic surface grinders typically include a magnetic chuck that securely holds the workpiece in place during grinding. This ensures stability and precision during the grinding process.

Coolant System

To prevent overheating and maintain consistent grinding performance, hydraulic surface grinders often come with a built-in coolant system. This helps in flushing away debris and maintaining the temperature of the grinding wheel.

Safety Features

Important safety features such as emergency stop buttons, protective guards, and interlocks are standard on hydraulic surface grinders to ensure operator safety during operation.

These features collectively make hydraulic surface grinders versatile and capable of handling a wide range of grinding tasks with high precision and efficiency.

Specifications

HYDRAULIC SURFACE GRINDER SPECIFICATION

MODEL NO	SCOUR 450	SCOUR 500	SCOUR 600	SCOUR 1000
Table Size	450 x 230mm	500 x 250mm	600 x 300mm	1000 x 400mm
Longitudinal table Travel	500 mm	520mm	620mm	1020mm
Cross Table Travel	250 mm	270mm	325mm	440mm
Max. Distance From the spindle center to the worktable Surface	430 mm	430 mm	430 mm	580mm

Safety Load of Bench(in max.)	100 kg	100 kg	150 kg	400 kg
Grinding Capacity: L x W x H	450 x 230 x 330mm	500 x 250 x 330mm	600 x 300 x 300mm	1000 x 400 x 430mm
T-slot	12 x 1	12 x 1	14 x 1	18×3 mm
Net Weight	1200 KG	1700 KG	2200 KG	4200Kg
Cross-hand wheel per Graduation	0.02 mm/Div	0.02 mm/Div	0.02 mm/Div	0.02 mm/Div
Spindle motor	1.5Hp	1.5HP-	2 HP	7 Hp
Lifting motor	0.25 HP	0.25 HP	0.25 HP	0.25Hp
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	350 x 32 x 127 MM
Spindle Speed	2850 r/min	2850 r/min	2850 r/min	1450 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	0.04 mm
Vertical per fine adjustment graduation	0.002 mm	0.002 mm	0.002 mm	0.001 mm
Coolant Motor	0.5HP	0.5HP	0.5 HP	0.5HP
All Over Dimensions- MM	1200 x 1050 x 1500	1250 x 1200 x 1700	1900 x 1200 x 1900	2700 x 1790 x 1950 MM

Description

HYDRAULIC SURFACE GRINDER MACHINE

A Hydraulic Surface Grinder is a precision machining tool used for achieving high-quality surface finishes on metallic and non-metallic materials. It operates using a hydraulic system to control the movement of the grinding table and wheel, ensuring smooth and accurate grinding operations. These machines are widely used in tool rooms, manufacturing units, and industrial workshops for applications requiring fine surface finishes and tight tolerances.

KEY FEATURES & COMPONENTS

1. BASE & STRUCTURE

- Constructed from high-grade cast iron to absorb vibrations and enhance durability.
- Rigid structure ensures stability during grinding operations.

2. HYDRAULIC SYSTEM

- Provides automatic table movement for smooth and precise operation.
- Offers adjustable speed control for enhanced accuracy.

3. WORKTABLE

- Moves longitudinally and transversely for precise positioning.
- Often equipped with a magnetic chuck to securely hold the workpiece.

4. GRINDING WHEEL & SPINDLE

- High-speed abrasive grinding wheel ensures efficient material removal.
- Precision spindle with dynamically balanced bearings for smooth operation.

5. COOLANT SYSTEM

- Integrated cooling mechanism to prevent overheating.
- Ensures smooth cutting and enhances tool life.

6. SAFETY MECHANISM

- Emergency stop switch for immediate halting of operations.
- Protective covers and interlocks for operator safety.

A7.PPLICATIONS OF USE

- Precision surface finishing for tools, dies, and molds.
- Grinding hardened materials for automotive, aerospace, and industrial parts.
- Sharpening cutting tools for machine shops.
- Flattening and smoothing metal surfaces for fabrication work.

A Hydraulic Surface Grinder is an essential tool in modern machining industries, offering high accuracy, consistency, and automation in surface grinding tasks.

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 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 →



SURFACE GRINDER MACHINE-SCOUR 500 MANUAL

Table Size: 500 x 250mm

Spindle Motor: 1.5 HP

Rs. 3,95,000

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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