



KRISHNA MACHINE TOOLS
BANGALORE, INDIA
Since 1990



Sufficing Global Honing Needs.

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MADE IN INDIA





Manual Expansion Honing Heads

KMC Type Ranges in mm



KMC	20 3 Gatters/Set	25 3 Gatters/Set	30 3 Gatters/Set	40 4 Gatters/Set	50 6 Gatters/Set	70 6 Gatters/Set
G1	20-25	25-30	30-35	40-45	50-55	70-75
G2	22-27	28-33	35-40	45-50	55-60	75-80
G3					60-65	80-85
G4					65-70	85-90
StoneSize	5 x 3.5 x 50	5 x 4 x 75	5 x 6 x 75	6 x 6 x 75	8 x 8 x 100	8 x 8 x 100
Drive Rod	M10 x 1.5	M12 x 1.75	M14 x 1.75	M16 x 2.0	M16 x 2.0	M16 x 2.0
Total Length	210 mm	224 mm	285 mm	284 mm	370 mm	370 mm
Approx Wt.	300 gm	350 gm	450 gm	850 gm	2.5 kg	4.8 kg

KMG Type Ranges in mm



KMG	70 4 Gatters/Set	90 6 Gatters/Set	100 4 Gatters/Set	120 6 Gatters/Set	175 6 Gatters/Set	300 6 Gatters/Set
G1	70-90	90-120	100-160	120-175	175-240	300-450
G2			160-220	175-220	240-310	450-600
G3					250-350	600-750
G4						750-900
StoneSize	10 x 8 x 100	10 x 10 x 125	13 x 13 x 125	13 x 13 x 150	16 x 16 x 175	20 x 20 x 200
Drive Rod	M14 x 2.0	M16 x 2.0	M16 x 2.0	M20 x 2.5	M24 x 3.0	M24 x 3.0
Total Length	340 mm	352 mm	327 mm	365 mm	520 mm	575 mm
Approx Wt.	2.3 kg	4.2 kg	4.5 kg	6.5 kg	20.0 kg	35.0 kg

Note: You can select our standard available honing tools from the above selection chart. For Custom, sizes feel free to get in touch with us.

Vertical Honing Machine



VHM SERIES OF HONING MACHINE

Features:

1. PLC controlled hydraulically operated.
2. Available with auto expansion and manual expansion models.
3. Standard stroke lengths as mentioned below:

Machine	Max Stroke Length	Standard Diameter
VHM 500	600	20 - 450
VHM1000	1150	20 - 450
VHM1500	1650	20 - 450
VHM2000	2150	20 - 450

4. Available with hydraulic clamping option
5. All machines are equipped with digital stroke setting.
6. Optional digital speed control available for RPM and stroke speed.

For sizes other than the above mentioned customization options are available.

"Higher Productivity and Efficiency"



HORIZONTAL HONING MACHINES



HHM SERIES- TUBE HONING MACHINES

"Heavy Duty and Versatile."



Fig. (a) HMI Interface

Fig. (b) Job Clamping Unit

Fig. (c): Head Stock Unit with Driveshaft Assembly.

Features:

- a) Horizontal Honing Machines are available from 1500 mm upto 12,000 mm stroke.
- b) Diameter range \varnothing 40 mm to \varnothing 800 mm standard.
- c) For diameters above the standard range; custom solutions are available.
- d) PLC controlled hydraulically operated system.
- e) Digital stroke setting.
- f) 7 inch touch screen with intuitive user interface; also available in 10 inch option.
- g) Digital speed control.
- h) Inbuilt chiller.
- i) All our machines are incorporated with magnetic drum type dust separation.
- j) Optional, paper band, centrifuge filtration system available.
- k) Ideal for double setting jobs as well.



Schnell Hone Series

SHV SERIES

Schnell Hone Vertical Series.

Features:

1. For stroke length upto 300mm and for diameter upto 120mm.
2. Servo controlled available in 3KW +3KW & 1.5KW+1.5KW motor options.
3. With hydraulic clamping and auto tool expansion as standard.
4. Optional dual pressure and 16 preset programs.
5. Ideal for less stock removal and high productivity.

Ex: Engine cylinder liners, 2Wheeler engine bores



SHH Series:

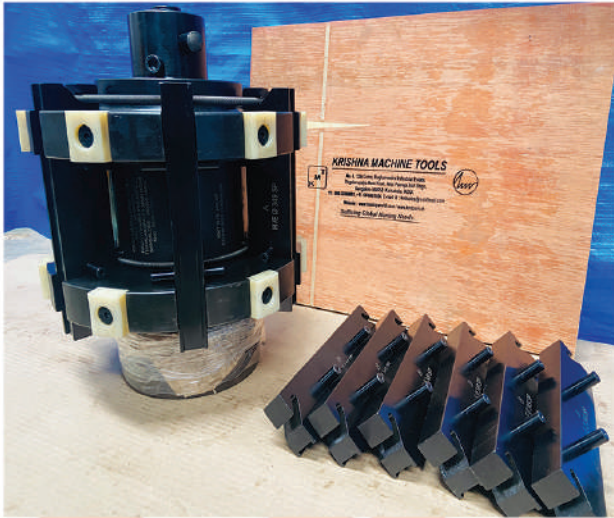
Schnell Hone Horizontal Series.

Features:

1. Servo controlled stroking and servo spindle.
2. Hydraulic tool expansion.
3. Floating component fixtures.
4. Ideal for short stroke components, and small diameters like connecting rods, jig bushes, bearings, etc.

"Quick and Precise."

Hydraulic Expansion Honing Heads



- * Constant feed hydraulic expansion type tools.
- * These tools are ideal for high volume production.
- * The tools are custom built to adopt to different make machines depending on customer requirement.
- * Tools starting from \varnothing 30 mm upto \varnothing 240 mm are standard.
- * All sizes outside the standard ranges are custom built only.

Special Purpose Tools

These are the tools which are built to suit customer requirements, including but not limited to these types mentioned below:

- a) Double Expansion Type Honing Head
- b) Concentric Inline Honing Tool
- c) Blind Bore Honing Tools





OVER 30 YEARS OF

Sufficing Global Honing Needs.

Get in touch with us for:

Honing Machines, Tools, Abrasives, Consulting and Honing Solutions.

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