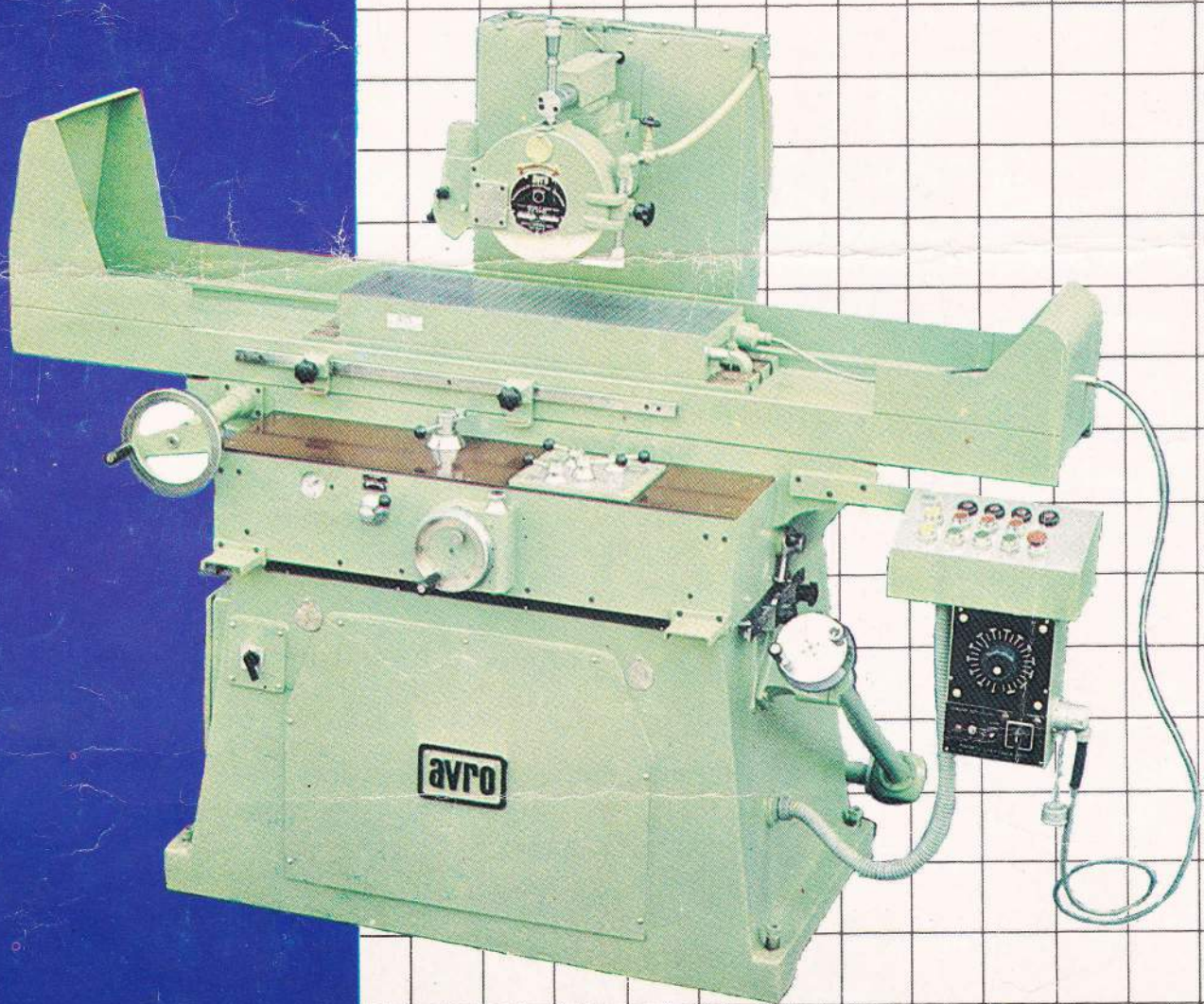
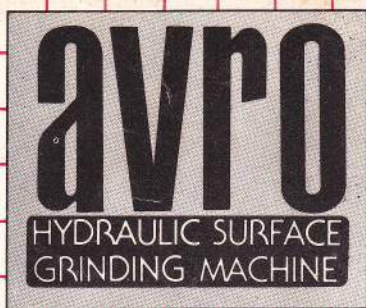


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avro

HYDRAULIC SURFACE
GRINDING MACHINE





DEVELOPMENT

AVRO Surface Grinders are backed by two decades of intensive research and development. Engineered with utmost precision, AVRO Surface Grinders are built with highest accuracy for a long and trouble free service under the most stringent shop floor requirements. Your shops will turn out better work, more profitability with any one of these AVRO Surface Grinding Machines for years to come. AVRO Surface Grinding Machines conform to the international standards of accuracy, as prescribed by Dr. Schlezenger, and this accuracy endures over the years.

SPECIAL FEATURES

AVRO Surface Grinding Machines have a unique bed-type design in which the bed carrying the Table and the Upright are aligned exactly at right angles. The Saddle is guided on hardened and ground V-ways resting on high precision steel balls for smooth operation.

Wheel Head is mounted on a rigidly constructed vertical column supported by pre-loaded precision bearings. Spindle is driven by means of an endless flat belt. All driving pulleys are dynamically balanced. Vertical feed is actuated through a mechanical gear drive incorporated inside the column.

Hydraulic longitudinal traverse is infinitely variable ranging from 1.5 to 18 metres per minute. Fine feed capability 0.001 mm. Longitudinal Table Traverse is also seated on steel balls resting in hardened and ground V-ways. AVRO Grinders are fitted with a compact hydraulic Power Pack, with an exclusively designed Control Unit incorporated within the body of the machine. Oil reservoir, Unibuilt Pump and Automatic Pressure Control Unit with Filter etc. are accessibly located for easy maintenance.

LUBRICATION

Automatic lubrication system is built-in feature of each AVRO Surface Grinding Machine. The Table, Saddle and Cross Feed Screw have an arrangement for continuous lubrication. Lubricant is fed into required areas under constant pressure. Overspilling lubricant is drained into the reservoir.

SPECIFICATIONS

	RETTA-112	TP-7
Working surface of table	1000x300 mm	750x250 mm
Maximum height admitted between table and new grinding wheel	300 mm	275 mm
Self acting longitudinal traverse of the table	1050 mm	800 mm
Cross table traverse, hydraulic	325 mm	275mm
Table traverse speed range per minute	1.5 to 18 metres	1.5 to 18 mtrs
Automatic cross feed range per stroke at each reversal	0.5 to 10 mm	0.5 to 10 mm
Micrometer vertical feed graduation	0.001 mm	0.001 mm
Micrometer cross feed graduation	0.001 mm	0.001 mm
Maximum vertical traverse of wheel head	425 mm	400 mm
Size of grinding wheel (Dia x Width x Bore)	250x25x76 mm	250x25x 76 mm
Speed of the Wheel	2400 R.P.M.	2400 R.P.M.
Power of wheel head motor	3.75 kw	2.25 kw
Power of hydraulic pump motor	1.5 kw	1.5 kw
Power of rapid vertical traverse motor	0.375 kw	0.3 75 kw
Approx. nett. weight	3000 kgs.	2400 kgs.
Case dimensions (L x B x H)	2745x1525x1830	2288 x1525x1830

STANDARD ACCESSORIES (INCLUDED IN THE PRICE OF THE MACHINE)

AVRO Surface Grinding Machines are accompanied by a set of standard accessories such as Grinding Wheel mounted on Spindle, Table and Wheel Guards, Allen Keys and Spanners, Puller, Machine Light Electric Motor for Spindle, Hydraulic Pump and rapid Vertical Traverse Motor, Electrical Control Gears and Instructional Manual.

OPTIONAL EQUIPMENT (at extra cost)

Machine Light-low voltage with Transformer, Permanent Magnetic Chuck, Electro Magnetic Chuck, Wet Grinding Attachment, Dust Exhaust Equipment, Built-in Wheel Dressing Attachment Hydraulically operated mounted on the Wheel Head, table mounted Wheel Truning Attachment with a Diamond Dresser, Wheel Balancing Stand with Mandrel, additional Wheel Flanges, Vertical Grinding Attachment with 75 mm dia. Cup Wheel, Radius and Angular Wheel Forming Attachment, Plain-Vice—maximum opening 100 mm, width of jaws 125 mm, Swivel Vice—maximum opening 65 mm, width of jaws 100 mm, Universal Swivel Vice—maximum opening 65 mm, width of jaws 100 mm, Magnetic Coolant Clarifier, Circular Rotary Table, Built-in Hydraulic Dresser.

THE RIGHT TO MODIFY AND ALTER THE DESIGN OF THE MACHINE IS RESERVED

PHONES: 0

N MACHINERY CORPORA

SHOP NO.5&13, STERLING APARTMENTS

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