



# Comasmo Tek

## Universal grinding machines Ribon - Module

The **MODULE** is one of our **hydraulic grinding machines** for the cylindrical grinding of external and internal diameters.

It is available in 4 standard models:

- RIBON MODULE 1 AUT. (TABLE LENGTH 600mm.)
- RIBON MODULE 2 AUT. (TABLE LENGTH 1000mm.)
- RIBON MODULE 3 AUT. (TABLE LENGTH 1500mm.)

Automatic infeed (plunge) or thrufeed cycle operation

Available in 2 versions: Electromechanical or CNC.

Possibility of machining parts with different diameters.

Ready for fitting Marposs electronic comparator appliance, for the automatic control of the work cycle.



Universal grinding machines features	mm	MODULE 1 AUT	MODULE 2 AUT	MODULE 3 AUT
Distance between the centers	mm	600	1000	1500
Centers height	mm		180	
Maximum allowed diameter	mm		360	
Workhead spindle taper	Morse n°		4 *	
Tailstock taper	Morse n°		3 *	
Tailstock quill travel	mm		33	
Diameter of the grinding wheel	mm		406	
Maximum thickness of the grinding wheel	mm		60	
Power of the grinding wheel motor	HP		5,5(KW4)	
Wheel head spindle speeds	rpm/min.		1500/1730	
Wheelhead fas approach and retraction	mm		40	
Wheelhead traverse on screw	mm		75	
Wheelhead adjustment on top slide by means of rack and pinion	mm		180	
Weelhead infeeds:	mm		1	

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- At each revolution of the handwheel	mm		0,005
- At each handwheel division	mm		0,005
- At each impulse of the pick feed lever	mm		0,001
- At each division of the micrometric knob			
Maximum stock removal, in automatic, on the workpiece diameter (stepless or intermittent feed)	mm		1,5
Adjustable value of each stepless intermittent feed of the wheelhead (coarse feed and fine feed)	mm		0-0,025
Spark-out for plunge grinding cycle (time)	sec.		0-50
Spark-out for traverse grinding cycles	N° stroke.		0-20
Workhead motor power (2 speeds)	HP KW		0,75-0,40 0,55-0,3*
Workhead spindle speeds: n. 2 ranges	rpm/min. rpm/min.		35-100-125-155 70-200-250-310*
Table speeds (adjustable)	mm/min.		0-5000
Adjustable dwell time of the table when reversing (workhead side)	sec.		0-15
Table feeding at each revolution of the handwheel	mm		12
Pump motor power for cooling system	HP		0,1 (KW 0,065)
Pump motor power for oleodynamic system	HP		2 (kw 1,5)
Capacity of the oleodynamic unit tank	Lt.		55
Maximum allowed weight between the centers without steady	Kg.		120
Maximum allowed weight on the workhead spindle, clamping fixture included. (at 100 mm from spindle nose)	Kg.		35*
Maximum table swivel for taper grinding between centers	degree	-9+6	-9+6 -7+5
Maximum workhead swivel	degree		-90+30
Maximum wheelhead swivel	degree		+45
Total installed power	HP		9,4(kw7)
Machines net weight (standard versions)	Kg.	2550	3050 3700
* Technical specifications concerning the machine in standard execution			

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