



Technical Specification of universal tool & cutter grinding machine type MAT200A -PLC

Max. Workpiece Diameter	mm	280
Max. Workpiece Dia. With Use Flat Blocks	mm	370
Max. Distance between two tailstock	mm	760
Max. Distance tailstock to workhead	mm	615
Distance of workhead Center to Table	mm	130
Distance of Tailstock Center to Table	mm	130
Main Spindle Inner Taper	Morse	3
Inner Taper of workhead Spindle	Morse / ISO 50	5
Max. Grinding Wheel diameter for sharpening	mm	175
Max. Grinding Wheel diameter for rounding	mm	200
Max. Grinding Wheel diameter for flatting	mm	175
Swivel of Headstock in horizontal plate	Deg.	350°
Wheelhead vertical swivel	Deg.	360°
Wheelhead horizontal swivel	Deg.	360°
Swivel of Table in two directions	Deg.	±45°
Table horizontal swivel	Deg.	±9°
Headstock Feedrate	m/min	1.2
Table longitudinal travel (X)	mm	510
Saddle cross travel (Y)	mm	250
Vertical wheelhead travel (Z)	mm	290
Cross travel (Y) in round grinding	mm	230
Table Width	mm	140
Table Length	mm	980
Grinding wheel speed range	rpm	2800-5600
Grinding wheel motor power	Kw	0.75 - 1.1
power needed	Kw	3.5
Net weight with standard attachment	Kg	995
Total Weight with all options	Kg	1544

PURPOSE:

Compact machine for tool and cutter sharpening and grinding.
Standard machine shop tools as mills, reamers, taps, slitting saws, lathe tools and drills.
Table over cylindrical ground bars with anti-friction ball bushings.
Rigid wheelhead with horizontal swivel.

STANDARD ATTACHMENTS (included in the basic machine price):

Tilting and swivelling workhead, with hand-rotating spindle MT 4, including indexing ratchet gear,

Tailstock with dressing diamond holder,
Tool teeth rest holder for tooth indexing and following with two different blades,
Mill cutter arbor,
Service wrench,
Straight type grinding wheel,
Dish type grinding wheel,
Standard painting with epoxy paint, RAL 6011 Green, or etc. pattern.
Instruction handbook

SPECIAL ATTACHMENTS:

Collet attachment and set of collets;
Set of three spare mill cutter arbors;
Magnetic chuck, 250 x 150mm or 10" x 6";
Set of reducing sleeves from MT 4 to MT 1, MT 2 and MT 3;
Single-point tool grinding attachment;
Clix Drill grinding attachment;
Radius grinding attachment;
Motor driven workhead;
Rising block for grinding circular saws up to 300mm or 12" diameter;
Complete cooling system ;
AP-30 Dust exhauster;
Dressing diamond on a MT 1 steel shank;
PRA-10 Radius and angle wheel forming attachment;
Complete electric panel.