ALLOY WHEEL MACHINING SOLUTIONS

The Tema M210S Alloy Wheel Lathe is our entry level cnc lathe for Alloy Wheel Machining, with its small foot print and wide box type bed construction providing increased Rigidity and stability, coupled with its unique custom cycle digitizing and programming direct to a cam profile it is probably one of the smallest and most reliable machines to date.

The M210S is as truer thoroughbred as our larger models designed and built to last, with a full oil bath head stock spindle housing and automatic lubrication system fitted as standard the construction is in keeping with our larger more Expensive stable mates

Model M210S



M210S Alloy Wheel Lathe Productivity and Profit.

Over the past few years we have dedicated ourselves to pursue higher technological levels and strived to provide a number high quality lathe models that will not only provide years of dependable performance but that will meet and exceed the market demand for the years to come.

In addition, we have enhanced and expanded our research and development programme to seek improvements which add value.

The M 210S has the same construction features as larger lathes but with a lower centre of gravity which in turn reduces the foot print required for stability. Currently able to resurface most Oem derived alloy wheels up to 24 ins in diameter. Advancement through technology



SPECIFICATIONS

MODEL	METRIC	M 210S
WIDTH CAPASITY		
Swing over the bed	mm	600
Center Height	mm	300
Swing over cross slide	mm	400
Distance between centers	mm	800
HEAD STOCK		
Spindle speed	rpm	AUTOMATIC 1200
Spindle bore	mm	85
Spindle nose		
MOTOR		
Spindle motor	HP	10
Ball screw (Dia x pitch)	mm	X:25 x 5
		Z:40 x 10
Z-Axis drive motor	Nm	6.3
X-axis drive motor	Nm	6.3
Coolant pump motor	HP	1/6
SADDLE		
Longitudinal travel (Z – axis)	mm	680
Cross slide travel (X - axis	mm	400
X / Z FEED		
Z – axis rapid travel	mm	7 M/min
X – axis rapid travel	mm	5 M/min
MEASUREMENT		
Machine weight		3200
Floor space (L x W x H)		2300 x 1760 x 1910
Machine size (L x W x H)		2100 x 1420 x 1820

OPTIONAL ACCESSORIES

4 POSITION ELECTRICAL TOOL TURRET REMOVABLE GAP BED MPG HAND WHEEL HEADSTOCK AND OIL COOLER 15 HP SPINDLE MOTOR CHIP TRAY / CONVEYOR RIM HUB MOUNTED SYSTEM

STANDARD FITTMENT

MODEL	M 210 S
OPERATING CONTROLLER	
10 HP SPINDLE MOTOR	
QUICK CHANGE TOOL POST	
15 INS 3 JAW CHUCK WITH SOFT JAWS	
AUTOMATIC LUBRICATION SYSTEM	
COOLANT SYSTEM AND PUMP	
DIGITIZING PROBE	
VOLTAGE 400V/3PH/50HZ	

STANDARD PRODUCTION FEATURES

All castings are made of high tensile meehanite cast iron eliminating internal residual stress.

Spindle & Gears are constructed from CR-MO alloy steel and precisely ground.

AC main spindle motors

Inverter controlled spindle drive, delivering constant spindle speed (C.S.S) in combination with automatic cross feed delivers greater cutting accuracy and efficiency for facing work associated with the cutting of alloy wheels.

Inverter controlled spindle braking

Automatic lubrication system fitted as standard for extended service life.

Oil bath headstock spindle for longer life expectancy.

Wide bed construction carefully designed for maximum stability and increased rigidity whist retaining a small foot print.

STANDARD FEATURES





REAR VIEW





OPTIONAL EXTRA HEADSTOCK AND OIL COOLER

WIDE SPAN BED CONSTRUCTION FOR RIGDITY AND STABILITY



Wide bed and box constructed, bed ways are high frequency heat treated, precision ground which can avoid vibration and tool chattering during performing heavy duty machining.

Quick Change 4 Post Turret

- The quick change tool post is equipped with a clamping lever for convenient fixing. It holds only one tool.
- Tool post with tool can be changed simultaneously to eliminate troublesome tool setting.

DIMENSIONS



1450



Foot print dimensions:

The actual Machine dimensional sizes are shown opposite, we recommend that an 800mm access clearance is maintained around the machine to the rear, right and left hand side. This will give a footprint of width 3500mm depth 2700mm.

The minimum clearance for the access doors to open is 3500 mm width and 2250 mm depth.

Foundation requirement:

A solid concrete floor slab, measuring no less than 150 mm In thickness not to include hard-core.