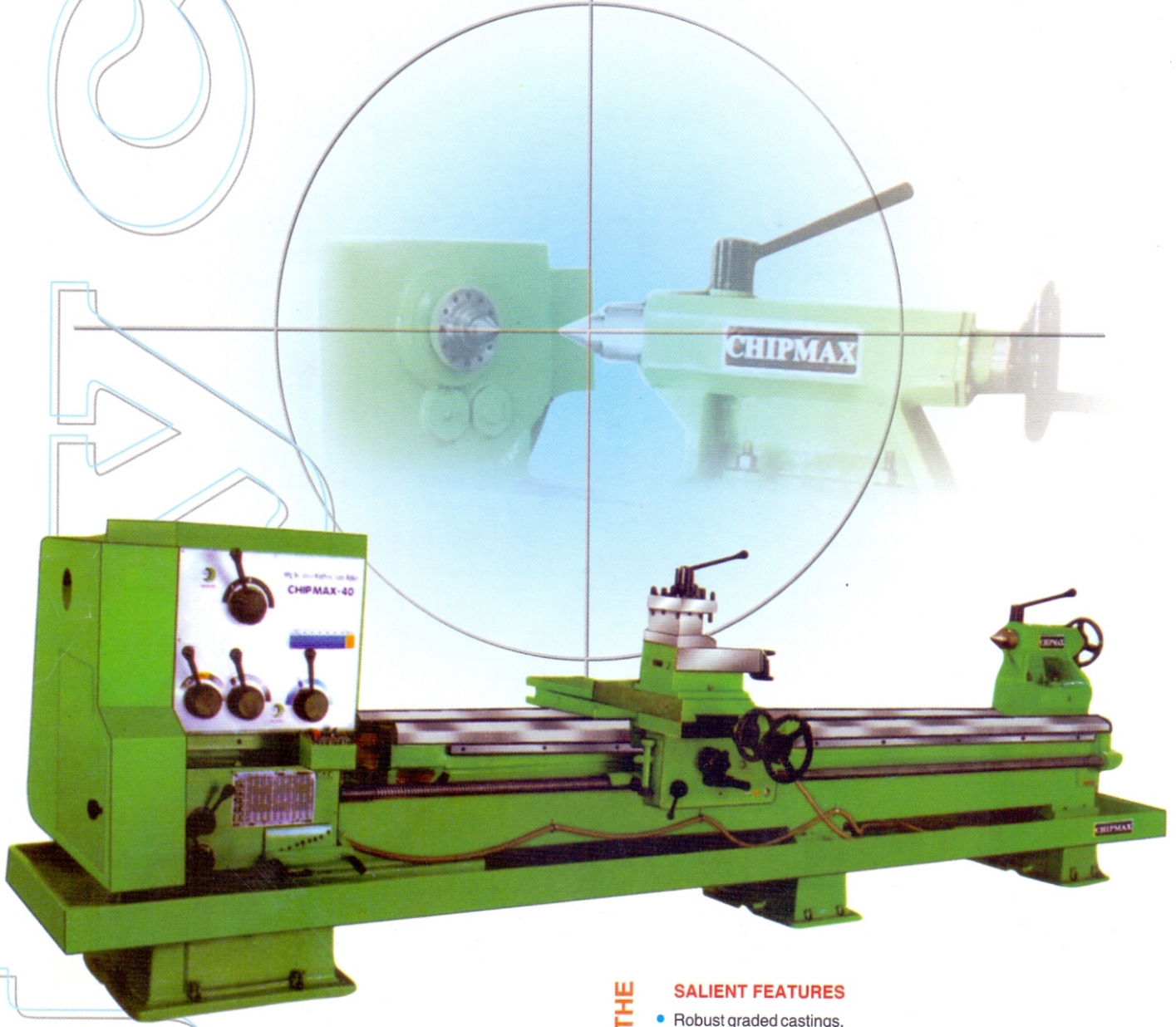




A GROUP OF
NAGMATI
LATHES

EXTRA HEAVY DUTY ALL GEARED LATHE FOR PRODUCTIVITY AND ACCURACY

MODEL : CHIPMAX-400, 450, 500, 600



ROLL TURNING LATHE

SALIENT FEATURES

- Robust graded castings.
- A2-8 type spindle nose.
- Spindle bore 104 mm.
- Force lubrication system in head stock.
- All gears in head stock are made from alloy steel hardened and ground.
- Extra heavy carriage and cross slide to withstand heavy stock removal.
- Turcite-B Lining on saddle guide ways for smooth running.
- Bed having 2 vee and 2 flat guide ways.
- Accuracy confirming to IS 1878 (part II) 1993.



EXTRA HEAVY DUTY ALL GEARED LATHE
MODEL : CHIPMAX-400, 450, 500, 600

VERSATILITY

Built-in gap bed.

Norton gear box for choosing a wide range of feeds & threads.

Wide variety of optional accessories for higher productivity.

BUILT-IN ACCURACY

All major casting 25 grade artificially seasoned for retaining built-in accuracy.

All components precision machined on import Substituted Mother Machines.

Hardened and ground alloy steel gears mounted on precision hobbled splined shafts & lay in oil bath.

Flame hardened and ground bed for minimum wear.

Alloy steel lead screw.

Full length cross slide.

Each machine tested to IS-1878-(Part-II) 1993.

INTERCHANGEABILITY

All components machined using jigs & fixtures on imported Mother Machines to close tolerance thus providing easy interchangeability.

STANDARD ACCESSORIES : Hardened bed, Harden & ground gear in head stock, Turcite-B in saddle guide-ways over the bed, Tool post key (2 Nos.) Dead centre, Centre adaptor, Vee belt, Four way tool post with rechet, Chiptray, Tail stock moving device, Electric Motor, Motor Pully with Complete Electricals, Set of spanner, Thread Dial Indicator, Universal Norton gear box with DP, Module, Inch-MM threads & change gears, Instruction, Spare parts manual & Electric Wiring Diagram.

OPTIONAL ACCESSORIES : Face plate, Chuck plate, Coolant pump with tank & fitting, Splash guard, Revolving centre, Taper turning attachment, Steady rest, Follow rest, True chuck, Dog chuck, Rear tool post with extra long slide, Machine lamp, Motorised carriage for rapid travers, Special tail stock for heavier job, Live Tail Stock, Bearing type steady rest, Tool post grinder.

Note : Due to technological developments, The illustrations and specifications are not binding in detail and are subject to modifications and improvements without prior notice.

TECHNICAL SPECIFICATION

TECHNICAL DATA	HEAVY DUTY ALL GEARED LATHE SERIES			
MODEL	CHIPMAX-400	CHIPMAX-450	CHIPMAX-500	CHIPMAX-600
Centre height over flat ways	400mm	450mm	500mm	600mm
Swing over bed	775mm	900mm	1000mm	1150mm
Swing over saddle	600mm	725mm	825mm	1000mm
Swing over cross slide	500mm	650mm	750mm	900mm
Swing in gap	1150mm	1300mm	1440mm	1600mm
Width of bed	500mm	560mm	560mm	600mm
Width of gap in front of face plate	300mm	300mm	300mm	300mm
Admit between Centre	1000 to 6000mm	1000 to 6000mm	1000 to 6000mm	1000 to 6000mm
MAIN SPINDLE				
Spindle Nose	A2-8	A2-8	A2-8	A2-8
Spindle bore	90 / 104mm	90 / 104mm	90 / 104mm	90 / 104mm
Taper bore in spindle	MT-6	MT-6	MT-6	MT-6
SPEED				
No./Range (In Geometric Prog.)	12/20 to 600 RPM	12/20 to 600 RPM	12/20 to 600 RPM	12/20 to 600 RPM
CARRIAGE				
Cross Slide Travel	500mm	600mm	600mm	600mm
Compound Slide Travel	250mm	250mm	250mm	250mm
Maximum Section of Tool	32x32mm	32x32mm	32x32mm	32x32mm
LEAD SCREW				
Dia	50.8mm	50.8mm	50.8mm	50.8mm
Pitch	2 TPI	2 TPI	2 TPI	2 TPI
THREADS				
MM (19 Nos.)	Range 1.0 to 30	Range 1.0 to 30	Range 1.0 to 30	Range 1.0 to 30
Incl (42 Nos.)	Range 1.0 to 30	Range 1.0 to 30	Range 1.0 to 30	Range 1.0 to 30
Module (19Nos.)	Range 1.0 to 30	Range 1.0 to 30	Range 1.0 to 30	Range 1.0 to 30
D.P. (48 Nos.)	Range 2 to 60	Range 2 to 60	Range 2 to 60	Range 2 to 60
FEEDS				
Number of feeds	50	50	50	50
Longitudinal feed	0.078 to 2.34	0.078 to 2.34	0.078 to 2.34	0.078 to 2.34
Cross feed	0.016 to 0.470	0.016 to 0.470	0.016 to 0.470	0.016 to 0.470
TAIL STOCK				
Sleeve Dia	100mm	100mm	100mm	100mm
Sleeve travel	250mm	250mm	250mm	250mm
Taper bore in sleeve	MT-6	MT-6	MT-6	MT-6
ELECTRICALS				
Power supply	415V, 3Ph, 50 Hz			
Main motor Power KW/HP	5.5/7.5 up to 3500 ABC 7.5/10 for 4500 to 6000 ABC			
R.P.M.	1440	1440	1440	1440

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