



SUMANGAL

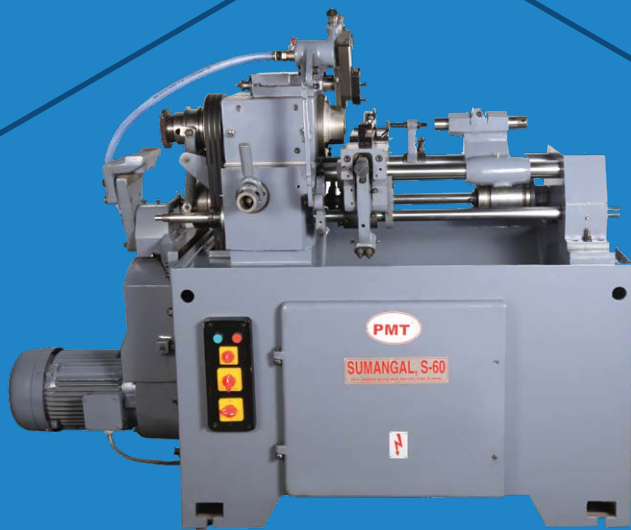
SUMANGAL SINGLE SPINDLE AUTOMATIC LATHE



SUMANGAL SINGLE SPINDLE
AUTOMATIC LATHE S-25



SUMANGAL SINGLE SPINDLE
AUTOMATIC LATHE S-32



SUMANGAL SINGLE SPINDLE
AUTOMATIC LATHE S-60

VESATILITY - SPEED - PRECESION - ECONOMY

SUMANGAL SINGLE SPINDLE AUTOMATIC LATHES AND SUMANGAL SECOND OPERATION LATHE WITH SIX STATION TURRET

Spindle Capacity & Other Specification		Automatic Lathes									Second Operation Lathe	
		S-15	S-25	S-30	S-32	SPL-42	S-42	S-60	S-80	S-90	SO-32	SO-42
Models												
Round Diameter	Upto mm	15	25	30	32	42	42	60	80	90	32	42
Hexagonal width A/F	Upto mm	12	22	25.4	27	36	36	52	70	78	27	36
Square width A/F	Upto mm	10	18	21	22	29	29	42	57	64	22	29
Distance collet to tailstock face	Upto mm	240	240	360	360	360	400	400	400	400	240	240
Turning length with long turning att.	Upto mm	70	70	70	70	70	100	100	100	100	70	70
Six-Position Turret		—	—	Available at extra cost					Available at extra cost			
Travel	mm	—	—	50	50	50	100	100	100	—	50	50
High Speed retraction (constant)	mm	—	—	35	35	35	50	50	50	—	Manual	Manual
Diameter of Tool bore	mm	—	—	19.05	19.05	19.05	25.4	25.4	25.4	—	19.05	19.05
Turret Motor		—	—	Turret Motor - 0.18kw.1500RPM					—			
Max Tapping in I D on material Brass, Al& EN1A		—	—	M18x1	M18x1	M18x1	M24x1	M24x1	M24x1	—	M18x1	M18x1
Max dia in OD, on material, Brase Al &		—	—	M12X1.75	M12X1.75	M12X1.75	M18	M18	M18	—	M14X1.5.M12	M14X1.5.M12
Production Rate	pcs/hr	28-2100	28-2100	12-1310	12-1310	12-1310	12-1245	12-1245	12-1245	12-1245	M14X1.5.M12	M14X1.5.M12
Spindle Speeds	rpm	900-6500	550-4000	550-4000	550-4000	386-2750	200-2000	160-1600	160-1600	16-1600	125-3050	140/1170
Production time per plece	Sec/pc	1.7-128	2-128	3-240	3-240	3-240	3-300	3-300	3-300	3-300	—	—
Bar Feed standard				Weight operation for 3.5 m bar length								
Total Power consumption, Max	KW	2.05	2.05	3.01	3.01	3.01	5.23	5.23	5.23	5.23	2.28	2.28
Main spindle Motar Power	KW	1.2/1.6	1.2/1.6	1.9/2.5	1.9/2.5	1.9/2.5	2.9/4.3	2.9/4.3	2.9/4.3	2.9/4.3	0.55/2.2	0.55/2.2
Main Spindle Motor RPM	rpm	1500-3000	1500-3000	1500-3000	1500-3000	1500-3000	750-1500	750-1500	750-1500	750/1500	750-3000	750-3000
Feed Motor Power	KW	0.37	0.37	0.25	0.25	0.25	0.55	0.55	0.55	0.55	—	—
Feed Motor RPM	rpm	1500	1500	1000	1000	1000	750	750	750	750	—	—
Coolant pump Motor power	KW	0.08	0.08	0.08	0.08	0.08	0.2	0.2	0.2	0.2	0.08	0.08
Coolant Discharge Rate	Lit/min	30	30	30	30	30	35	35	35	35	30	30
Weight of machine net ;	kgs	490	490	640	640	750	1200	1200	1200	1400	380	500
Gross :	kgs	610	610	790	790	900	1450	1450	1450	1650	525	650
Floor Space without bar feed	m	0.6x1.2	0.6x1.2	1.0x1.5	1.0x1.5	1.0x1.5	1.0x1.8	1.0x1.8	1.0x1.8	1.0x1.8	0.6x1.2	0.6x1.2
Volume of seaworthy packing	cu m.	2	2	3	3	3	4	4	4	4	2	2

SALIENT FEATURES:

- Large Machine Base Gives Extra Rigidity And Gripping Power to the Machine .
- Main Spindle Drive Motor Mounted Outside
- V Belt Located Outside for Easy Access
- Large Distance Between Guide Bars Enables Use of Bigger Size Tailstock
- Drums For Heavy Load Drilling.
- Two Camshafts with Independent worm and worm wheel
- Guide Bars Can Be Reversed After Wear Due To Constant Use.
End Casting/Width Increased To Provide Longer Bearing Area For Camshafts And Guide Bars.
- Needle Roller Bearings Used nI Head Stock And End Casting to Support Camshafts
- Chucking Arm is Reversible.
- Larged Coolant Tank Capacity with Motorised Pump.
- Increased Bearing Area For All Slides
- Double Vertical Slides Provided with Axial Micrometer Adjustment.
- Cross Slide and Vertical Slide Cams are Interchangeable.
- Large Space For Chip Collection And Easy Access forChipClearance.
- Change Gears with Fixed center Distance.
- Collets Cams, Toolholders Are interchangeable with other Automats of Similar Design.
 - All The Specifications are Subject To Changewithout Perior Notice
- Machine S-80 & S-90 for PipeCutting Machine



Components Manufactured on **SUMANGAL** automats

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