

SG 3065



PRECISION SURFACE GRINDING MACHINE MODEL "microSURF 3065- PLC"

Designed to meet today's and Future requirements of Surface Grinding of smaller, medium and heavier pieces with high accuracy and surface finish.

TECHNICAL SPECIFICATIONS

Standard Features	DESCRIPTION	UNIT	microSURF 3065- PLC
High Precision Angular Contact Bearing Spindle	Machining Range		
Spindle Head Vertical column movement on Hand Scrapped guideways driven by Ball screw through power elevation/ servo feed and manual Infeed or MPG	Grinding length x width (Max.)	mm	600 x 300
Traverse Grinding: Hand Scrapped guideways Electro mechanical drive or Servo drive	Distance between table and spindle center (Max.)	mm	450
Table moves on Hand scrapped guideways through Hydraulic movement	Working Surface	mm	675 x 325
Electro-Magnetic Chuck	Weight carrying capacity of table (Max.)	kg	250
Complete Sheet metal to prevent grinding coolant splashes	Table		
Dressing Attachment with Diamond dresser	Maximum Longitudinal movement	mm	625
One set of Grinding wheel with flange and Puller	Max. cross movement	mm	325
Set of Service Tools & Belts	Logitudinal movement		
Wheel Balancing Mandrel	Max. Table Speed	mm	15
Machine Lamp	Cross Movement		
Machine Leveling Pads	Auto cross feed at each Table reversal	mm	0.25-6
Guideways & Ball Screws continuous lubrication	Manual feed rate/ turn	mm	1
Operator manual with Test report	Least count of Hand wheel	mm	0.005-0.01
Automatic lubrication of lead screws.	Vertical Movement		
Machine should be cast iron construction including base for rigidity & dampening.	Manual feed rate/ turn	mm	0.2
Slip free, smooth & accurate table movement	Least count of Hand wheel	mm	0.002
Flatness of machined surface should be within 8μ for a length of 300mm.	Power elevation	mm	100-200
Hydraulically operated longitudinal table movement with variable speeds.	Grinding Wheel		
Cross & Vertical slide to be servo motor or hydraulic driven	Size of the Grinding Wheel	mm	300 x 30 x 127
Coolant system with motorised pump	Speed	rpm	1500
Optional Accessories	Motors		
Angle Dressing attachment	Grinding Spindle	hp	5
De magnetiser	Vertical up down	hp	0.25-0.5
Grinding Wheel flange	Cross feed	hp	0.25-0.5
Electro Magnetic separator	Coolant Pump	hp	0.12-0.2
Cross feed, Infeed driven through Servo motor, L.M. guideways and ball screw through PLC with Grinding Cycles. Manual infeed by Manual pulse generator	Hydraulic System		
	Working Pressure	kg/cm sq	15
	Power of Hydraulic pump Motor	Kw	1.5
	Tank capacity	ltrs	80
	Weight of the machine (approx.)	kg	2500

Manufactured By:

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