

Surface Grinders

The M71 surface grinder series come standard with automatic down feed, these surface grinders are constructed with an oversized base so that the ways are always supported. With this feature there will be limited distortion to the worktable caused by overhang.

The MS71 and MK71 surface grinder series uses the Fanuc or Siemens control. With the programmable down-feed system the operator can setup to crossfeed or plunge grind using the user friendly programming system. With the canned cycle the operator has the option to program the coarse feed and fine feed with spark-out. Once the system is programmed the system can be an unmanned operation. The wheelhead can be set to cross feed continuous, intermittent or can be operated by hand. This equipment comes with all standard components, coolant system, over the wheel dresser, wheel balancing stand and arbor, grinding wheel and hub.



13 – Inch Wide Tables

MAIN SPECIFICATIONS	M7130	M7132 x 10	M7132 x 16	M7132 x 20
Table Working Surface	13" x 19"	13"x 39"	13"x 63"	13"x 78"
Max Workpiece Size	13" x 39" x 15"	13" x 39" x 15"	13" x 63" x 15"	13" x 78" x 15"
Table Longitudinal Travel	8" – 43"	8" – 43"	8" – 43"	8" – 43"
Table Speed, Stepless	118 – 984 ipm	118 – 984 imp	118 – 984 imp	118 – 984 imp
Grinding Wheel Size (OD x W x ID)	14" x 1.6" x 5"	14" x 1.6" x 5"	14" x 1.6" x 5"	14" x 1.6" x 5"
Grinding Wheel Motor	7.5 hp	7.5 hp	10 hp	10 hp
Max Workpiece Weight	1,100 lbs	1,375 lbs	1,375 lbs	2,195 lbs
Overall Dimensions	91" x 59" x 82"	118" x 70" x 81"	172" x 67" x 81"	196" x 67" x 81"
Gross Weight	8,800 lbs	8,800 lbs	11,030 lbs	12,133 lbs

Surface Grinders: 16 – Inch Wide Tables



MAIN SPECIFICATIONS	M7140 x 20	M7140 x 30	M7140 x 40	M7140 x 50
Table Working Surface	16" x 86"	16"x 118"	16"x 157"	16"x 196"
Max Workpiece Size	16" x 86" x 16"	16" x 118" x 16"	16" x 157" x 16"	16" x 196" x 16"
Table Longitudinal Travel	8" – 90"	8" – 122"	8" – 161"	8" – 200"
Table Speed, Stepless	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm
Grinding Wheel Size (OD x W x ID)	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"
Grinding Wheel Motor	10 hp	10 hp	12 hp	12 hp
Max Workpiece Weight	2,753 lbs	4,120 lbs	5,506 lbs	6,618 lbs
Overall Dimensions	260" x 70" x 89"	329" x 70" x 90"	405" x 70" x 90"	496" x 68" x 90"
Gross Weight	23,824 lbs	26,472 lbs	30,884 lbs	36,399 lbs

Surface Grinders: 20 – Inch Wide Tables



MAIN SPECIFICATIONS	M7150 x 12	M7150 x 16	M7150 x 20	M7150 x 30
Table Working Surface	20" x 49"	20" x 63"	20" x 78"	20" x 118"
Max Workpiece Size	20" x 49" x 16"	20" x 63" x 16"	20" x 78" x 20"	20" x 118" x 23"
Table Longitudinal Travel	8" – 53"	8" – 67"	8" – 82"	11" – 122"
Table Speed, Stepless	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm
Grinding Wheel Size (OD x W x ID)	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"
Grinding Wheel Motor	10 hp	10 hp	10 hp	12 hp
Max Workpiece Weight	2,145 lbs	2,206 lbs	3,441 lbs	6,618 lbs
Overall Dimensions	139" x 85" x 90"	161" x 85" x 90"	192" x 84" x 95"	354" x 92" x 102"
Gross Weight	13,015 lbs	14,339 lbs	19,412 lbs	27,575 lbs

Surface Grinders: 20 and 24 – Inch Wide Tables



MAIN SPECIFICATIONS	M7150 x 40	M7160 x 10	M7160 x 16	M7160 x 20
Table Working Surface	20" x 157"	24"x 39"	24"x 63"	24"x 78"
Max Workpiece Size	20" x 157" x 16"	24" x 39" x 16"	24" x 63" x 16"	24" x 78" x 16"
Table Longitudinal Travel	8" – 161"	8" – 43"	8" – 67"	11" – 82"
Table Speed, Stepless	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm
Grinding Wheel Size (OD x W x ID)	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"
Grinding Wheel Motor	12 hp	10 hp	12 hp	12 hp
Max Workpiece Weight	6,618 lbs	2,161 lbs	2,206 lbs	3,309 lbs
Overall Dimensions	417" x 68" x 90"	119" x 85" x 90"	193" x 84" x 95"	193" x 84" x 95"
Gross Weight	33,090 lbs	11,978 lbs	17,648 lbs	18,751 lbs

Surface Grinders: 25 and 27 – Inch Wide Tables

MAIN SPECIFICATIONS	M7163 x 12	M7163 x 16	M7170 x 12	M7170 x 16
Table Working Surface	25" x 49"	25" x 63"	27" x 49"	27" x 63"
Max Workpiece Size	25" x 49" x 16"	25" x 63" x 20"	27" x 49" x 23"	27" x 63" x 23"
Table Longitudinal Travel	8" – 53"	8" – 67"	8" – 53"	8" – 67"
Table Speed, Stepless	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm
Grinding Wheel Size (OD x W x ID)	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"	16" x 2" x 8"
Grinding Wheel Motor	10 hp	12 hp	20 hp	20 hp
Max Workpiece Weight	2,161 lbs	2,426 lbs	4,412 lbs	4,800 lbs
Overall Dimensions	139" x 85" x 90"	192" x 84" x 95"	139" x 92" x 107"	177" x 93" x 107"
Gross Weight	13,103 lbs	17,648 lbs	23,163 lbs	23,163 lbs

Surface Grinders: 27 and 31 – Inch Wide Tables

MAIN SPECIFICATIONS	M7170 x 20	M7180 x 12	M7180 x 16	M7180 x 20
Table Working Surface	27" x 78"	31"x 49"	31"x 63"	31"x 78"
Max Workpiece Size	27" x 78" x 23"	31" x 49" x 23"	31" x 63" x 23"	31" x 79" x 23"
Table Longitudinal Travel	8" – 82"	8" – 53"	8" – 67"	8" – 82"
Table Speed, Stepless	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm	118 – 984 ipm
Grinding Wheel Size (OD x W x ID)	16" x 2" x 8"	18" x 2.5" x 8"	16" x 2.5" x 8"	16" x 2.5" x 8"
Grinding Wheel Motor	20 hp	37 hp	37 hp	37 hp
Max Workpiece Weight	4,800 lbs	4,412 lbs	4,412 lbs	5,453 lbs
Overall Dimensions	246" x 141" x 107"	139" x 92" x 107"	177" x 92" x 107"	246" x 141" x 107"
Gross Weight	13,103 lbs	25,369 lbs	27,575 lbs	28,678 lbs