



Dayton[®]



FINISHING MACHINES CATALOG

BENCH GRINDERS

Dayton's bench grinders are designed and built with high-quality motors for heavy duty use and long duty cycles. Our stated horsepower is actual sustained horsepower under 100% loads with less than 1% loss from stated RPMs at same 100% loads.

Designed to do more, a Dayton bench grinder provides you with 4 to 7 times longer duty cycles under load and 8 times less speed degradation than any other competitor.

Dayton's line up of industrial grade bench grinders provide smooth, quiet power for all grinding, cleaning, deburring, chamfering and sharpening jobs. Designed to handle heavy stock removal to finishing applications these powerful units are built for continuous, efficient use all day, every day.

- Extended wheel-to-wheel clearance which allows longer items to be ground easily
- Dynamically balanced rotors and sealed bearings to minimize vibration and ensure smooth running
- Large adjustable tool rests for safe, efficient tilt and angle grinding
- Adjustable safety eye shields and spark guards easily positioned with hurricane bolts
- Exclusive single port dust collection system, on selected models
- Maximum performance, accuracy and value
- 2LKR5 comes with wheel guards with no dust collection ports
- 2LKR6 comes with a grinder wheel and a wire wheel
- 12" model comes standard with pedestal floor stand
- Units fit Item # 4Z154 or Item # 16W007 tool stands



1FYX2
Stand included only
with the 12"



2LKT1



2LKT3

Item #	Wheel Diameter	Dust Collection	Face Wheel	Arbor Hole	Exhaust Port	Wheels C to C	Length	Height	HP	Voltage	Phase	Max RPM	Amps
2LKR5	6"	No	3/4"	1/2"	—	14-1/4"	18-1/2"	10"	1/4	120/240	1	3450	3/1.5
2LKR6	6"	No	3/4"	1/2"	—	14-1/4"	18-1/2"	10"	1/3	115/230	1	3450	3.5/1.75
2LKR7	6"	Yes	3/4"	1/2"	2-1/2"	14-7/8"	19-1/4"	10-1/2"	1/3	115	1	2000 - 3300, 3450	3.5
2LKR8	7"	Yes	1"	5/8"	2-1/2"	16-1/2"	21"	13"	1/2	120/240	1	3450	5.0/2.5
2LKR9	8"	Yes	1"	5/8"	2-1/2"	16-1/2"	21"	13"	3/4	120/240	1	3450	7.0/3.5
2LKT1	8"	Yes	1"	5/8"	2-1/2"	16-1/2"	21"	13"	3/4	220/440	3	3450	2.2/1.1
2LKT2	10"	Yes	1"	1"	2-1/2"	20"	24"	16"	1	115/230	1	1725	10.0/5.0
2LKT3	10"	Yes	1"	1"	2-1/2"	20"	24"	16"	1	220/440	3	1725	3.3/1.7
1FYX2	12"	Yes	2"	1-1/4"	2-1/2"	21-3/4"	23"	50-1/2"	2	220	1	1725	10.0

HEAVY DUTY BENCH GRINDERS

Dayton's heavy duty bench grinders are the next generation in their class. They provide more horsepower, torque and value added features delivering high productivity grinding solutions. A cut above the rest Dayton's industrial grade bench grinders provide smooth, quiet power for all your bench top grinding and finishing needs.

- Industrial grade capacitor motors
- Dynamically balanced rotors and sealed bearings to minimize vibration and ensure smooth running
- Extended wheel-to-wheel clearance which allows longer items to be ground and finished easily
- Large adjustable tool rests easily adjusted with hurricane bolts for safe, accurate grinding
- Comes with three tool rests – (2) standard flat top and (1) V-grooved top for sharpening drill bits with 118° drill point angle and 6" and 8" bench grinders include a wheel dresser
- 36 and 120 grit grinding wheels
- Exclusive single port dust collection system with coated steel hose
- Adjustable spark guards and safety eye shields – easily positioned with hurricane bolts
- Units fit Item # 4Z154 or Item # 16W007 tool stands



38UK59



38UK62/38UK63



38UK60/38UK61



Dayton's industrial bench grinders provide extra power up to 33% more horsepower

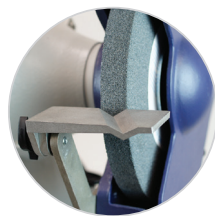
38UK64
Stand included only with 12"

38UK64

Item #	Wheel Diameter	Dust Collection	Face Wheel	Arbor Hole	Exhaust Port	Wheels C to C	Length	Height	HP	Voltage	Phase	Max RPM	Amps
38UK59	6"	Yes	3/4"	1/2"	2-1/2"	14-7/8"	19-1/4"	10-1/2"	1/2	115/230	1	3450	8.8/4.4
38UK60	8"	Yes	1"	5/8"	2-1/2"	16-1/2"	21"	13"	1	115/230	1	3450	13.6/6.8
38UK61	8"	Yes	1"	5/8"	2-1/2"	16-1/2"	21"	13"	1	230/460	3	3450	3.6/1.9
38UK62	10"	Yes	1"	1"	2-1/2"	20"	24"	16"	1.5	115/230	1	1725	15.2/7.6
38UK63	10"	Yes	1"	1"	2-1/2"	20"	24"	16"	1.75	230/460	3	1725	4.6/2.4
38UK64	12"	Yes	2"	1-1/4"	2-1/2"	21-3/4"	23"	50-1/2"	3	230/460	3	1725	7.8/4.0



Single port dust collection



Comes with three tool rests – (2) standard flat top and (1) V-grooved top for sharpening drill bits with 118° drill point angle

3 Call or visit your local branch or go to grainger.com/dayton for complete product line information.



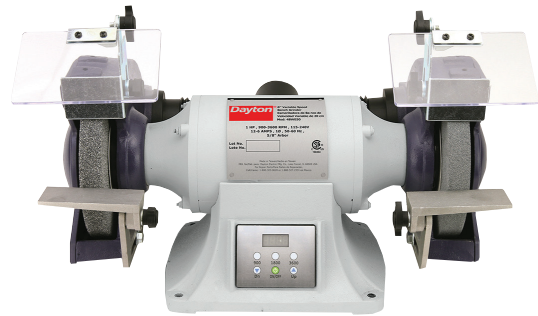
VARIABLE SPEED BENCH GRINDERS

Dayton's line up of deluxe variable speed bench grinders deliver the power, precision and versatility to handle a wide range of finishing applications. At maximum rpm's they are built for heavy material removal, deburring and chamfering applications. At the lower rpm range they effectively handle the more delicate cleaning, polishing, sharpening and other finishing operations.

- Equipped with the latest technology variable speed inverter delivering a broad range of continuous speeds to fit any application
- Powerful, heavy-duty capacitor motors provide additional torque and provide plenty of power at all speeds without any loss of rpm's at full load
- LED speed readout with "soft" touch on/off and variable speed control pad
- 3 hard speed switch settings 900 / 1800 / 3600 RPM for the 6" & 8" models and 900 / 1800 / 2400 RPM for the 10" model. Press the high or low switch button on touch pad to variably adjust the speed up or down in 100 RPM increments
- Dynamically balanced rotors and sealed bearings to minimize vibration and ensure smooth running operation
- Extended wheel to wheel clearance
- Large adjustable tool rests
- Adjustable safety eye shields and spark guards
- Exclusive single port dust collection
- Units fit Item # 4Z154 or Item # 16W007 tool stands



48WE49



48WE50



48WE51

Item #	Wheel Diameter	Dust Collection	Face Wheel	Arbor Hole	Exhaust Port	Wheels C to C	Length	Height	HP	Voltage	Phase	RPM	Amps
48WE49	6"	Yes	3/4"	1/2"	2-1/2"	14-7/8"	19-1/4"	10-1/2"	1/2	115/240	1	900 - 3600	7/3.5
48WE50	8"	Yes	1"	5/8"	2-1/2"	16-1/2"	21"	13"	1	115/240	1	900 - 3600	12/6
48WE51	10"	Yes	1"	1"	2-1/2"	20"	24"	16"	1.5	115/240	1	900 - 2400	14/7

COMBINATION HEAVY DUTY BENCH GRINDER & BUFFER

Dayton's heavy duty bench grinder and buffer machine is designed to handle heavy stock removal to finishing and polishing operations. These grinder/ buffers come with capacitor motors to supply the extra current required during start up and operation under load.

- Available in 6" (1/3 HP) and 8" (3/4 HP) sizes
- Dynamically balanced rotors and sealed bearings minimize vibration and ensure smooth running
- OSHA compliant wheel guards for all grinding wheel and wire brush operations
- Open flanged shaft for all your buffing and polishing applications
- Wheel guard with dust collection port on 8" model
- Includes 36 grit grinding wheel, 0.014" wire wheel, one wheel guard and tool rest, spiral cotton buffing wheel and mounting spacers
- Units fit Item # 4Z154 or Item # 16W007 tool stands



16W005



16W006

Item #	Grinder Buffer	Dust Collection	Face Wheel	Arbor Hole	Exhaust Port	Wheels C to C	Buffer Width Min. - Max.	Length	Height	HP	Voltage	Max RPM	Amps
16W005	6"	No	3/4"	1/2"	-	14-1/4"	1/4" - 1-1/8"	18-1/2"	10"	1/3	115/230	3450	3.5/1.75
16W006	8"	Yes	1"	5/8"	2-1/2"	16-3/8"	1/4" - 2"	21"	13"	3/4	115/230	3450	7/3.5

COMBINATION BENCH & BELT GRINDER

Dayton combined two machines into one. Ideal for grinding, deburring, polishing and finishing all types of parts, on any type of material. With such versatile capabilities this combination grinder eliminates the need for a number of different machines. Built with a powerful capacitor motor for use all day, every day.

- Dynamically balanced rotor and sealed bearings minimize vibration and ensure accuracy
- Front mounted safety on/off switch
- Adjustable work rests
- Dust collection ports
- Belt is adjustable in either the vertical or horizontal position or any position in-between
- Unit fits Item # 4Z154 or Item # 16W007 tool stands



Item #	HP	Volts	Amps AC	Belt Size	Belt SFPM	Wheel Diameter	Wheel Face Diameter	Wheel Speed (RPM)	Arbor Hole	Depth	Width	Height
3NYA7	3/4	120/240	7.0/3.5	2" x 48"	4500	8"	1"	3450	5/8"	21"	14"	26"

BUFFERS

Dayton's buffing machines easily remove scratches and other imperfections, bring out the natural luster of the metal and can effectively clean, finish, polish and buff a wide variety of materials. Each unit is equipped with a strong, powerful motor that supplies the necessary torque for start-up and operation under load.

- Large diameter armature shaft with shielded bearings for smooth operation
- Heavy duty cast iron construction for vibration free operation
- Units fit 4Z154 tool stand
- Item # 3NYA6 features a heavy duty 2 speed motor

Item #	HP	RPM	Shaft Diameter	Amps	Voltage	Wheels
4TJ99	1/2	3450	1/2"	5.0/2.5	120/240	6"
3NYA6	1/1.5	1725/3450	1"	12/8	120	10"



VARIABLE SPEED BUFFERS

Dayton's line up of deluxe variable speed buffers delivers the power, precision and versatility to handle a wide range of finishing applications. At maximum rpm they are built for intermediate blending, polishing and surface conditioning applications. At the lower rpm range they effectively handle the more delicate final finishing, polishing, buffing and surface finish refinement operations.

- Equipped with the latest technology variable speed inverter delivering a broad range of continuous speeds to fit any application
- Powerful, heavy-duty capacitor motors provide additional torque and provide plenty of power at all speeds without any loss of rpm's at full load
- LED speed readout with "soft" touch on/off and variable speed control pad
- 3 hard speed switch settings 900 / 1800 / 3600 RPM for the 6" and 8" models and 900 / 1800 / 3000 RPM for the 10" model. Press the high or low switch button on touch pad to variably adjust the speed up or down in 100 RPM increments from the hard rpm setting
- Dynamically balanced rotors and sealed bearings to minimize vibration and ensure smooth running operation
- Extended wheel to wheel clearance
- Units fit Item # 4Z154

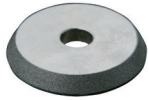


Item #	Wheel Diameter	HP	Voltage	Amps	RPM	Shaft Diameter
48WE52	6"	3/4	115/240	7/3.5	900 - 3600	1/2"
48WE53	8"	1	115/240	12/6	900 - 3600	5/8"
48WE54	10"	1.5	115/240	14/7	900 - 3000	1"

TOOL GRINDER

Dayton's bench tool grinder is feature packed to form and grind tools, sharpen end mills and twist drills as well as dress up punches. Precision micro dial control and full range of tool adjustments make quick work of tool grinding and sharpening operations. This general purpose, high precision, robust unit is a must for any shop.

- Index head with 24 locking positions
- Precision sealed grinding spindle
- Micro dial for depth adjustment
- Includes both Aluminum Oxide and Diamond Wheel
- Diamond dressing tool
- 5 pieces of a 5C collets 1/8", 3/16", 1/4", 3/8" & 1/2"
- Service tools and Halogen work light



OPTIONAL ACCESSORIES:

- Item # 9639710.01 Aluminum oxide grinding wheel
- Item # 9639711.01 Diamond grinding wheel



Item #	Motor HP	Voltage	Spindle Speed	Tool Holder Travel	Tool Holder Fine Adjustment:	Micro Adjustment Resolution	Taper Range (Degrees)	Relief Angle Range (Degrees)	Negative Angle Range (Degrees)	Collet Capacity	Length	Width	Height	Weight (Lbs)
48WE45	1/3	115/1PH/ 60 Hz	5000	5.512" / 140mm	0.0710 / 18mm	0.0004 / 0.01mm	0-180	0-40	0-52	1/8" to 1/2"	17-3/4"	13-3/4"	13-3/4"	100

DRILL SHARPENER

For drill sharpening the Dayton Drill Sharpener is designed for precision, efficient easy operation and has the flexibility required to sharpen the largest range of dull or broken drill bits including split points and masonry bits from 1/8" to 3/4".

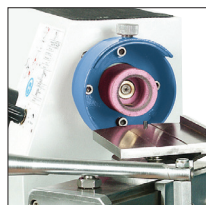
Easy to use the drill bits are securely held in a prismatic vise for precise centering of the bit to the grinding wheel and very exact repeat accuracy. This design lets you grind a wide range of drill point variations – you can even customize point angles and clearances to achieve the most efficient feed rates to match your specific applications. Sharpens high speed steel, carbide, cobalt, TIN-coated and masonry bits with a drill bit capacity of 1/8" to 3/4", with an angle range of 90 to 150 degrees and relief angles of 0 to 20 degrees and drill point concentricity of .001" lip to lip. The unit is constructed of cast iron and steel providing a rugged vibration free foundation and comes standard with cup grinding wheel, built in diamond wheel dresser, powerful 800W motor, broad infinitely variable speed range, magnetic switch with lockable emergency stop button and quench pot.



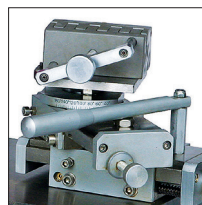
Item #	HP	Volts	Amps AC	Speed RPM	Cup Wheel Outside Ø	Cup Wheel Inside Ø	Cup Wheel Thread Ø	Depth of the Cup Wheel	Length	Width	Height
53UH09	.80	115V	1PH	1680 - 9120	40 mm / 1.575"	26 mm / 1.024"	M 10 / .3425"	22 mm / .866"	8.858"	19.291"	9.449"



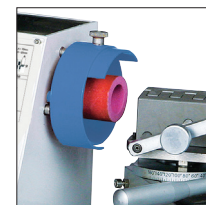
OPTIONAL ACCESSORIES:
Item #9639709.01
Replacement cup wheel



Cup wheel
Self-trimming
Runs dry



Prismatic vise
Solid
For exact
centering and
safe fixturing



Wide grinding
range
Twist drills from
1/8" to 3/4"

DRILL BIT SHARPENER

Dayton's small drill sharpener adds versatility with adjustable chisel and relief angles, and the ability to create and sharpen split point bits. Even the smallest shops can economically sharpen their own drills in real time. You can accurately sharpen a dull drill bit in under a minute. This economical precision sharpener operates quickly and intuitively.

- Sharpens standard twist and masonry bits from 7/32" to 1/2"
- Sharpens to a 118 degree point angle
- Designed and engineered to sharpen three of the most common drill bit types - standard point, split point and masonry bits
- Sharpens Carbide, Cobalt, High-Speed Steel, Black Oxide, TiN-Coated twist and masonry bits
- Most efficient when used to resharpen a drill bits original point angle
- Easy to replace diamond sharpening wheel

Item # 48WE44

SPECIFICATIONS:

Motor power: 80 W Replacement diamond grinding wheel
 Voltage: 115V / 60 Hz / 1 PH
 Speed: 4200
 Dimensions: 8-5/8" L x 7-7/8" W x 6-5/16"x H
 Weight: 6 lbs.



OPTIONAL ACCESSORIES: Item # 9639708.01



Three simple steps for sharpening



ADJUSTMENT OF THE DRILL BIT

Take the chuck and insert it into the alignment hole guide. Open the chuck by turning left and insert the drill bit into the chuck. Press the alignment button to open the adjustable jaws and then the drill bit can be advanced until it stops. Release slowly the alignment button till the chuck jaws firmly grasp the drill bit, then turn the chuck back to the right to tighten and secure the drill bit. You now have the drill properly positioned in the chuck for sharpening.



GRINDING OF THE DRILL BIT

Remove the drill chuck from the alignment port and position it into the sharpening port. Now turn the chuck with light pressure to the right & left till the noise from grinding significantly reduces. Take the chuck out of the port and rotate the chuck 180 degrees and repeat the grinding process. Always turn the machine off before removing the chuck.



REDUCING THE CHISEL EDGE / SPLIT POINT

Remove the drill chuck from the alignment port and position it into the split point port. Now turn the chuck with light pressure to the right & left till the noise from grinding significantly reduces. Take the chuck out of the port and rotate the chuck 180 degrees and repeat the grinding process. Always turn the machine off before removing the chuck.

12" DISC ABRASIVE FINISHING MACHINE

Dayton's heavy duty cast construction 12" disc abrasive finishing machine is ideal for finishing outside radius of metal, wood, plastics and composite materials.

- Direct drive
- 45° tilting table
- Miter gauge
- Balanced disc
- Dust collection port
- Abrasive wheel brake

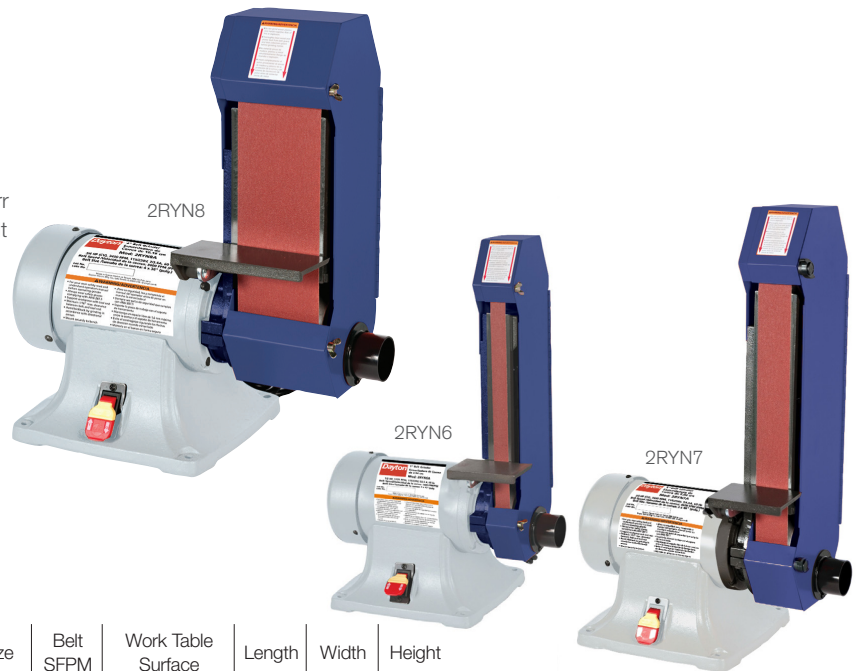


Item #	HP	Volts	Disc. Dia.	Speed (RPM)	Table Size	Table Tilt	Dust Port	Depth	Width	Height
2RYN9	3/4	120	12"	1720	17-1/4 x 8-3/8	45°	2	17"	17-1/4"	14-3/8"

BELT GRINDERS

Dayton's belt grinders are ideal power tools for all shops. These versatile machines grind, sand, finish, polish, deburr and contour all types of parts on any type of material. Built with a powerful capacitor motor for all day use.

- Belt is adjustable for use in either the vertical or horizontal position or any position in-between
- Front mounted on/off paddle switch
- Simple belt tensioning and adjustment
- Full belt guard
- Dust collection port
- Units fit Item # 4Z154 and Item #16W007 tool stands



Item #	Description	HP	Volts	Amps AC	Belt Size	Belt SFPM	Work Table Surface	Length	Width	Height
2RYN6	1" Belt Grinder	1/2	120/240	5.0/2.5	1" x 42"	1800	4-1/4" x 3"	22"	16"	24"
2RYN7	2" Belt Grinder	3/4	120/240	7.0/3.5	2" x 48"	4500	4-1/4" x 3"	25"	16"	26"
2RYN8	4" Belt Grinder	3/4	120/240	7.0/3.5	4" x 36"	3615	6-1/4" x 3"	19"	20"	21"

ABRASIVE BELT GRINDERS

Abrasive belt grinders are fully flexible, quiet and efficient and are fully capable of incredibly fast stock removal rates. They are ideal for shaping, forming, snagging, deburring, chamfering and finishing operations. These belt grinders can be quickly converted from heavy stock removal and grinding, to finishing operations by simply changing the belt. The machines come with a large serrated contact tire for removing heavy stock or cleaning up work pieces and a large graphite covered platen for the shaping and finishing of flat pieces.

- Generous spark box delivers added operator safety
- Advanced belt tracking design makes belt tracking safe and easy while eliminating belt walk-off
- Belt enclosure prevents dust from escaping by effectively ventilating the contact tire, drive wheel and belt with air circulation from the machine
- Motor overload protection with conveniently positioned emergency on/off switch
- Dual dust collection ports located on the front and back of the machine
- Adjustable height of the contact tire provides ergonomic, safe positioning for operator ease and comfort



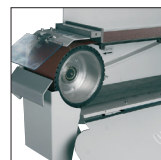
Item #	HP	Volts	Phase	Speed RPM	Belt Size	Belt SFPM	Nominal Size Suction Nozzle Inside	Nominal Size Suction Nozzle Outside	Belt Grinding Table Tilt	Length	Width	Height
53UG92	4	230	3PH	3600	3" x 78-3/4"	6494	2.244"	2.362"	45°	37"	17.126"	38.780"
53UG93	5	230	3PH	3600	6" x 78-3/4"	6494	2.244"	2.362"	45°	37"	20.079"	38.780"



High belt speed
33 m/sec. / 6494 sfpm. Rapid material removal
Workpiece support
Adjustable inclination. Allows grinding at any proper angle



Platen grinding surface
End-to-end and opened at the rear. Ideal to machine long workpieces



Contact wheels
Rubberized, Smooth running.
No slipping of the belt

Optional Accessories

Item	Description
24N030	3 x 78.75" Abrasive Belt 40 Grit
24N031	3 x 78.75" Abrasive Belt 80 Grit
24N032	6 x 78.75" Abrasive Belt 40 Grit
24N033	6 x 78.75" Abrasive Belt 80 Grit

COMBINATION 2" X 6" BELT & DISC FINISHING MACHINE

Dayton's direct drive combination belt and disc finishing machines grind, sand, finish, polish, deburr and contour all types of materials and parts. The direct drive power train with a heavy duty capacitor motor allows the units to work under load without slowing or bogging down.

- 2 x 42" belt with a 6" disc bench model
- Belt operates in the horizontal or vertical position and is designed for fast, easy belt changes
- Both the belt and disc come with a tilting work table. Disc table is slotted to accept the standard miter gauge
- Cast base for maximum rigidity



Item #	HP	Volts	Amps AC	Disc Dia.	Disc Speed RPM	Belt Size	Belt SFPM	Disc Table Size (RPM)	Belt Table Size	Depth	Width	Height
6Y945	1/3	120	3.5	6"	3500	2" x 42" or 1" x 42"	4400	5-1/2 x 8-1/4	6-3/4" x 9"	8"	14-1/2"	23"

COMBINATION 6" X 9" BELT & DISC FINISHING MACHINE

Dayton's direct drive combination belt and disc finishing machines grind, sand, finish, polish, deburr and contour all types of materials and parts. The direct drive power train with a heavy duty capacitor motor allows the units to work under load without slowing or bogging down.

- Belt operates in the horizontal or vertical position and is designed for fast, easy belt changes
- Both the belt and disc come with a tilting work table that is slotted to accept the standard miter gauge
- The base is cast iron for maximum rigidity
- 49G990 - 6 x 48" belt with a 9" disc floor model with open stand

DIMENSIONS: 22" D x 26-1/2" W x 55"H



Item #	HP	Volts	Amps AC	Disc Dia.	Disc Speed RPM	Belt Size	Belt SFPM	Disc Table Size (RPM)	Belt Table Size
49G990	1	120 /240	9.0/4.5	9"	3450	6" x 48"	2700	5-7/8 x 11-3/4	5-7/8" x 9-7/8"

COMBINATION 6" X 10" BELT & DISC FINISHING MACHINE

Dayton's combination belt and disc finishing machines are versatile and economical workshop tools. Dust collection shrouds for both the belt and the disc and the unit comes complete with a fully enclosed steel floor stand to protect the motor from dust.

- Belt operates in the horizontal or vertical position and is designed for fast, easy belt changes
- Both the belt and disc come with a cast iron tilting work table, slotted to accept the deluxe miter gauge to allow for plain and compound miters
- Cast iron construction delivers rigidity and vibration free operation

DIMENSIONS: 18" D x 21" W x 59-1/2"H

Item #	HP	Volts	Amps AC	Disc Dia.	Disc Speed RPM	Belt Size	Belt SFPM	Disc Table Size	Belt Table Size
49G991	1	120 /240	13.4/6.7	10"	2150	6" x 48"	1830	7" x 14"	6" x 10-1/8"



COMBINATION 6" X 12" BELT & DISC FINISHING MACHINE

Dayton's combination belt and disc finishing machines are versatile and economical workshop tools. Dust collection shrouds for both the belt and the disc and the unit comes complete with a fully enclosed steel floor stand to protect the motor from dust.

- Belt operates in the horizontal or vertical position and is designed for fast, easy belt changes
- Both the belt and disc come with a cast iron tilting work table, slotted to accept the deluxe miter gauge to allow for plain and compound miters
- Cast iron construction delivers rigidity and vibration free operation

DIMENSIONS: 19" D x 23" W x 59-1/2"H

Item #	HP	Volts	Amps AC	Disc Dia.	Disc Speed RPM	Belt Size	Belt SFPM	Disc Table Size	Belt Table Size
49G992	1-1/2	120 /240	14/7	12"	2350	6" x 48"	1830	7" x 16"	6" x 10-1/8"



16" DISC FINISHING MACHINE

Dayton's 16" high performance disc finishing machine is built to handle general purpose to precision finishing applications. Small, medium to large parts are finished fast and effectively. The increased area of contact improves stock removal and finish on all types and sizes of workpieces.

STANDARD FEATURES:

- Production duty motor effectively finishes all types of materials
- Direct dive design with oversized drive shaft and sealed bearings
- Adjustable disc guarding
- Adjustable table - tilts for precision finishing of both plain and compound miters
- Safety electrical system: power on light, drum start/stop/forward/reverse switch, on/off push button power switch with keyed lock-out, emergency stop button with electronic brake
- 4" dust collection port
- Fully machined and balanced disc runs true and vibration free
- Disc is mounted directly to an oversized motor shaft for maximum power and efficiency
- Precise and ideal for all sizes of workpieces
- Can grind, deburr, contour and finish workpieces made of metal, wood or plastics
- Heavy duty steel floor stand with hinged door for internal storage

Item #	Disc Dia.	HP	Volts	Amps AC	Disc Speed RPM	Disc Table Size	Disc Table Tilt-In Angle	Disc Table Tilt-Out Angle	Dust Collection Port Size	Weight (lbs.)
400H38	16"	1.5	115V / 1PH	17.8A	1750	18.5" x 8.5"	5°	45°	4"	266.76

20" DISC FINISHING MACHINE

Dayton's 20" high performance disc finishing machine is built to handle general purpose to precision finishing applications. Medium to large parts are finished fast and effectively. The increased area of contact improves stock removal and finish on all types and sizes of workpieces.

STANDARD FEATURES:

- Production duty motor effectively finishes all types of materials
- Direct dive design with oversized drive shaft and sealed bearings
- Adjustable disc guarding
- Adjustable table - tilts for precision finishing of both plain and compound miters
- Safety electrical system: power on light, drum start/stop/forward/reverse switch, on/off push button power switch with keyed lock-out, emergency stop button with electronic brake
- 4" dust collection port
- Fully machined and balanced disc runs true and vibration free
- Disc is mounted directly to an oversized motor shaft for maximum power and efficiency
- Precise and ideal for all sizes of workpieces
- Can grind, deburr, contour and finish workpieces made of metal, wood or plastics
- Heavy duty steel floor stand with hinged door for internal storage



Item #	Disc Dia.	HP	Volts/PH	Amps AC	Disc Speed RPM	Disc Table Size	Disc Table Tilt-In Angle	Disc Table Tilt-Out Angle	Dust Collection Port Size	Weight (lbs.)
400H39	20"	2	230V / 1PH	11.2	1750	22.5" x 8.75"	5°	45°	4"	313.5
400H40	20"	3	220V / 3PH	5.2	1750	22.5" x 8.75"	5°	45°	4"	313.5

6" X 12" BENCH SURFACE GRINDER

This economical 6" x 12" manual surface grinder has many features found on larger units and is a perfect choice for small shops, tool rooms and maintenance shops when close tolerances are needed. Bring mirror-like finishes to your metalworking projects with this professional grinder.

- Meehanite cast iron construction- stress relieved to minimize vibration while maintaining rigidity and accuracy
- Precision steel balls produce extremely smooth operation of table along the ways
- Hand scraped ways
- Spindle and motor are a direct drive design and are dynamically balanced minimum vibration
- Swarf guard
- Large easy to read dials
- Spiral bevel gear for easy vertical movement of the spindle head
- 48WE35 Optional Steel Floor Stand

Dimensions: 41" L x 28-3/4" W x 38-3/8" H

Optional Accessories

Item	Description
48WE38	Permanent magnetic chuck
48WE35	Heavy duty steel floor stand



Shown with optional 48WE35 Floor Stand and 48WE38 Magnetic Chuck

Item #	HP	Voltage	Phase	RPM	Table Size	T-Slot Size	Max. Grinding		Table to Center of Spindle	Wheel Size (Dia x W x Bore)	Vertical Feed Graduation	Cross Feed Graduation	Coolant Pump	Weight (Lbs)
							Length	Width						
48WE34	3/4	115	1	3600	6" x 12"	1/2"	12-1/2"	6-11/16"	11	7" x 1/2" x 1-1/4"	0.0005"	0.001"	No	450

8" X 18" SURFACE GRINDER

Dayton's 8" x 18" manual surface grinder is an indispensable metalworking machine for toolrooms as well as production applications to produce high-quality close exacting tolerances and flat surfaces on workpieces. This fully flexible surface grinder is quite, efficient and is an excellent choice when grinding soft to hardened or annealed ferrous metals.

- Meehanite cast iron construction – stress relieved to minimize vibration while maximizing rigidity and accuracy
- High precision cartridge type spindle with lubricated for life multiple anti-friction bearings that are radially and axially pre-loaded for quiet vibration free operation and longer spindle life
- The spindle bearings are class 7 (P4) super precision angular contact ball bearings which have been accurately measured, selected and pre-loaded and then assembled in a temperature controlled room to assure stable noise free rotation
- Runout at the spindle nose taper is less than 0.000070" (0.0020mm) TIR
- Double V hand scraped and Turcite B coated way system on both the table longitudinal and cross feed, providing low operating friction, high vibration dampening and long wear capabilities
- Precision steel balls produce extremely smooth operation of the table along the ways
- Automatic lubrication system provides constant lubrication of critical wear areas
- Spindle and motor are a direct drive one piece design. The motor/spindle is dynamically balanced to attain a vibration displacement under 0.0006"/s (0.105mm)

Dimensions: 65-3/4" L x 45-1/4" W x 82-3/4" H

Optional Accessories

Item	Description
48WE39	Permanent magnetic chuck

Shown with Optional 48WE39 Magnetic Chuck



Item #	HP	Voltage	Phase	RPM	Table Size	T-Slot Size	Max. Grinding		Table to Center of Spindle	Wheel Size (Dia x W x Bore)	Vertical Feed Graduation	Cross Feed Graduation	Coolant Pump	Weight (Lbs)
							Length	Width						
48WE36	2	230	3	3600	8" x 18"	1/2"	18-3/4"	7-7/8"	16-9/64"	7" x 1/2" x 1-1/4"	0.0002"	0.0005"	No	1765

10" X 20" AUTOMATIC SURFACE GRINDER

Dayton's 10" x 20" precision automatic surface grinder is designed and built to increase productivity, maximize performance and accuracy by offering the latest technology in automatic controls. This surface grinder delivers flat surfaces with close exacting tolerances and high quality surface finish refinement.

- Meehanite cast iron construction – stress relieved to minimize vibration while maximizing rigidity and accuracy
- High precision cartridge type spindle with lubricated for life multiple anti-friction bearings that are radially and axially pre-loaded for quiet vibration free operation and longer spindle life
- The spindle bearings are class 7 (P4) super precision angular contact ball bearings which have been accurately measured, selected and pre-loaded and then assembled in a temperature controlled room to assure stable noise free rotation
- Runout at the spindle nose taper is less than 0.000070" (0.0020mm) TIR
- Hydraulic feed machine features hand scraped and Turcite B coated way system on both the table longitudinal and cross feed, providing low operating friction, high vibration dampening and long wear capabilities
- Automatic lubrication system provides constant lubrication of critical wear areas
- Spindle and motor are a direct drive design, one piece design. The motor/spindle is dynamically balanced to attain a vibration displacement under 0.0006"/s (0.105mm)
- Includes electro magnetic chuck with demagnetizer.
- CONTROL SYSTEM FEATURES:
- Microprocessor based control system
- Step-by-step data input system makes control easy to program and operate
- Stock removal rates and feed conditions are digitally inputted
- Full automatic grinding cycle for coarse and fine grinding combine with spark out process
- Traverse and plunge automatic cycles
- Digital display or data provides operator with continuous monitoring information
- Adjustable magnetic chuck holding power
- Grinder can be used in full automatic cycle or manually



Item #48WE37

Description	10" x 20" Surface Grinder
Main Connection	230/460V 3PH
General Capacity	
Table Size	10" x 20"
Max Table Travel	11-3/4" x 22-27/32"
Distance from table to spindle center	19-11/16"
Longitudinal Movement	
Table Speed	39 - 984 in/min
Cross Feed Movement	
Continuous Feed	43-5/16 in/min
Handfeed 1 Graduation	0.001"
Handfeed 1 Revolution	0.2"
Vertical Downfeed	
Handfeed 1 Graduation	0.0005"
Handfeed 1 Revolution	0.1"
Rapid Feed	7-7/8 in/min
Grinding Wheel	
Wheel Size (Dia x W x Bore)	7" x 1/2" x 1-1/4"
Wheel RPM	3450
Motor	
Spindle Motor	3HP
Cross Feed Motor	1/2
Hydraulic Motor	1
Dimensions	
L x W x H	70" x 63" x 83"
Weight	Net 3300

Shown with grinder
(grinder not included)



BENCH GRINDER PEDESTAL & DUST COLLECTION CABINET

Cabinet design allows for bench and belt grinders to be securely mounted while only taking up a small foot print of shop floor space. The front mounted hinged door is convenient for fast clean up.

The unit effectively removes hazardous material and dust particles away from the operator while recirculating clean air back into the shop resulting in a cleaner, safer work area.

- Dust collection
- Quench pot
- Easy access hinged door for dust & particle removal
- Spark arrestor
- 30 micron filter bag
- Replaceable HEPA filter

Item #	Base Size (in.)	Table Size (in.)	Height (in.)	Exhaust Port (in.)	CFM
16W007	19 x 17	19 x 17	38	2-3/4	700

HEAVY DUTY TOOL STAND

Item # 4Z154 - Heavy duty cast iron tool stand fits all bench grinders, buffers and belt grinders.

- Multi-hole top for easy securing of finishing tool to stand
- Quench pot



Top viewed
from above

4Z154

WORK LIGHT

Item # 16W004 - LED work light easily mounts on bench grinders for increased visibility at the point of operation.



GRINDING WHEEL DRESSERS

Item # 2X951 - Small grinding wheel dresser, cast iron construction, hardened steel cutters, for use on grinding wheels up to 1" wide.

Item # 6Z851 - Large grinding wheel dresser, cast iron construction, hardened steel cutters, for use on 1" to 3" wide grinding wheels.



6Z851

