CHOOSING THE RIGHT FINISHING MACHINE

Versatility is a major advantage as most machines can be converted from medium to heavy stock removal to finishing operations.
To optimize performance with your finishing machine the chart below is a helpful tool to assist you in identifying the model of finishing machine that works best to fit your specific application.

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Abrasive finishing can be divided into four broad categories:

- ***Roughing or Coarse Grinding*** *- removes excess material or imperfections from the workpiece in preparation for subsequent finishing operations.*
- ***Intermediate Grinding or Blending*** *- bringing the workpiece to a predetermined size or shape from an "as formed" condition or following a roughing operation.*
- ***Final Finishing and Polishing*** *- bringing the workpiece to the surface finish required for buffing, plating, bluing or other surface treatments or coatings.*
- ***Precision Sizing & Finishing*** *- surface finish refinement productin high quality flat surfaces with close tolerance control*

		TYPE OF MATERIALS TO BE FINISHED						WORKPIECE SIZE			MATERIAL REMOVAL			DUST PORT	TYPE OF FINISHING OPERATION													MACHINE OPERATION						
MODEL	DESCRIPTION	*Ferrous Metals*	*Non-ferrous metals*	*Wood*	*Plastic*	*Carbide*	*Composites*	*Small Parts*	*Medium Parts*	*Large Parts*	*Light stock removal*	*Medium stock removal*	*Heavy stock removal*	*Dust Collection*	*Roughing*	*Shaping*	*Contouring*	*Flat Grinding*	*Angle Grinding*	*Deburring*	*Chamfering*	*Beveling*	*Edge Finishing*	*Sharpening*	*Cleaning*	*Buffing*	*Polishing*	*Grinding Wheel*	*Wire Wheel*	*Non-woven Abrasive Wheel*	*Buffing/Polishing Wheel*	*Abrasive Belt*	*Abrasive Disc*	*Flap Wheel*
9682061	6", 1/3HP, 1PH bench grinder	X	X					X	X		X	X		NO	X	X		X	X	X	X		X		X			X	X	X				
9692062	6", 1/3HP, 1PH bench grinder	X	X					X	X		X	X		YES	X	X		X	X	X	X		X		X			X	X	X				
9682071	7", 1/2HP, 1PH bench grinder	X	X					X	X		X	X		YES	X	X		X	X	X	X		X		X			X	X	X				
9682081	8", 3/4HP, 1PH bench grinder	X	X				X	X	X		X	X	X	YES	X	X		X	X	X	X		X		X			X	X	X				
9682082	8", 3/4HP, 3PH bench grinder	X	X				X	X	X		X	X	X	YES	X	X		X	X	X	X		X		X			X	X	X				
9682101	10", 1HP, 1PH bench grinder	X	X				X	X	X	X	X	X	X	YES	X	X		X	X	X	X		X		X			X	X	X				
9682102	10", 1HP, 3PH bench grinder	X	X				X	X	X	X	X	X	X	YES	X	X		X	X	X	X		X		X			X	X	X				
9682121	12", 2HP, 1PH bench grinder	X	X				X	X	X	X	X	X	X	YES	X	X		X	X	X	X		X		X			X	X	X				
9682072	6", 1/2HP, PowerGrind-XP bench Grinder	X	X				X	X	X					YES	X	X		X							X			X	X	X				
9682073	8", 1HP, PowerGrind-XP bench Grinder	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682074	8", 1HP, PowerGrind-XP bench Grinder - 3PH	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682075	10", 1½HP, PowerGrind-XP bench Grinder	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682076	10", 1.75HP, PowerGrind-XP bench Grinder - 3PH	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682077	12", 3HP, PowerGrind-XP bench Grinder 3PH	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682096	6", 1/2HP PowerGrind-VS Bench Grinder	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682097	8", 1HP PowerGrind-VS Bench Grinder	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682098	10", 1½HP PowerGrind-VS Bench Grinder	X	X				X	X	X	X				YES	X	X		X							X			X	X	X				
9682068	6", 1/3HP, 1PH bench grinder / buffer combo	X	X				X	X	X	X	X	X	X	YES	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X			X
9682069	8", 3/4HP, 1PH, bench grinder / buffer combo	X	X				X	X	X	X	X	X	X	YES	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X			X
9682088	Combination 8" wheel bench grinder / 2" x48" belt grinder	X	X		X		X	X	X	X	X	X	X	YES	X	X	X	X	X	X	X	X	X	X	X			X				X		
9682063	6", 1/2HP, 1PH buffer	X	X					X	X		X	X		NO											X	X	X			X	X			X
9682083	8", 3/4HP, 1PH buffer	X	X					X	X	X	X	X		NO											X	X	X			X	X			X
9682106	6" 3/4HP, PowerGrind-VS Buffer	X	X					X	X					NO											X	X	X				X			X
9682107	8" 1HP, PowerGrind-VS Buffer	X	X					X	X					NO											X	X	X				X			X
9682108	10" 1½HP PowerGrind-VS Buffer	X	X					X	X	X				NO											X	X	X				X			X
9682094	12" 6HP, 2-Speed Dual Head Polishing Lathe	X	X					X	X	X				YES											X	X	X				X			X
9682095	16" 7½HP, 2-Speed Dual Head Polishing Lathe	X	X					X	X	X				YES											X	X	X				X			X
9682905	1/3HP Tool Grinder	X				X								NO											X	X	X	X						
9682910	0.8HP Drill Sharpener	X				X								NO											X	X	X	X						
9682906	Drill Bit Sharpener	X				X								NO										X	X	X	X	X						
9681312	12", 3/4HP Disc Abrasive Finishing Machine	X	X	X	X		X	X	X					YES	X	X	X	X	X	X	X	X			X								X	
9682401	1" x 42" Belt grinder / bench model	X	X		X		X	X	X		X	X		YES	X	X	X	X	X	X	X	X	X	X	X							X		
9682402	2" x 48" Belt grinder / bench model	X	X		X		X	X	X		X	X		YES	X	X	X	X	X	X	X	X	X		X							X		
9682404	4" x 36" Belt grinder / bench model	X	X		X		X	X	X	X	X	X	X	YES	X	X	X	X	X	X	X	X	X		X							X		
9681061	Combination 2" belt & 6" disc machine / bench model	X	X	X	X		X	X	X		X	X		YES	X	X	X	X	X	X	X	X	X		X							X	X	
9681093	Combination 6" belt & 9" disc machine / floor model	X	X	X	X		X	X	X	X	X	X		YES	X	X	X	X	X	X	X	X	X		X							X	X	
9681110	Combination 6" belt & 10" disc machine / floor model	X	X	X	X		X	X	X	X	X	X	X	YES	X	X	X	X	X	X	X	X	X		X							X	X	
9681112	Combination 6" belt & 12" disc machine / floor model	X	X	X	X		X	X	X	X	X	X	X	YES	X	X	X	X	X	X	X	X	X		X							X	X	
9682122	6" x 12" Bench Surface Grinder	X	X					X						NO		X		X										X						
9682123	8" x 18" Surface Grinder	X	X					X						NO		X		X										X						