

Rush Machinery Wheel Truing and Dressing Machines Specifications

9/5/2018

Model:		FC-350W	FC-350EX	FC-700W	FC-700EX
Standard Features:					
Diamond/CBN wheel	Spindles: (Weight capacity) - <i>Others available</i>	ISO40 / ISO50 / ISO60 / HSK50			
	Min. diameter:	0" (0 mm)			
	Max. diameter	14" (350 mm) or optional 16" (400 mm)		28" (700 mm) or optional 42" (1070 mm)	
	Max. width	3" (76 mm)		4" (100 mm)	
	Max. wheel pack length (OAL)	8" (203 mm)			
	Speed (Infinitely variable & reversible)	100-1000 rpm			
	Motor power	2 hp (1.5 kW)		3 hp (2.2 kW)	
	Radius	0 to 2-7/8" (0 to 73 mm)			
	X axis travel	8-3/4" (222 mm)		7-7/8" (200 mm)	
	Y axis travel	7-1/2" (190 mm)		15" (380 mm)	
	Optical linear scales with display counter for X & Y axes	0.0001" (0.002 mm) increments			
Maximum wheel/wheel pack and adapter weight	ISO40: (80kg)175lbs / ISO50: (120kg)265lbs / ISO60: (150kg)330lbs / HSK50: (25kg)55lbs				
Truing/Dressing wheel	Maximum Dimensions	8" (200 mm) dia., 3/4" (19 mm) wide, 1-1/4" (31.75 mm) bore		10" (250 mm) dia., 1" (25.4 mm) wide, 1-1/4" (31.75 mm) bore	
	Pivoting Dressing Wheel Head for dressing hard-to-reach points	+15°/-10°			
	Speed (Infinitely variable)	200- 2000 rpm			
	Oscillation frequency (Infinitely variable)	0-50 strokes/minute (63 RPM)			
	Oscillation stroke	0 to 3-1/2" (0 to 89 mm)		0 to 4-1/2" (0 to 120 mm)	
	Oscillation lockout brake	Standard	N/A	Standard	N/A
	Motor power	1 hp (0.75 kW)		2 hp (1.5 kW)	
	Dressing wheel swiveling and infeed	Manual	Automatic	Manual	Automatic
	High performance swiveling angle reader	0.035° increments			
	Infeed axis travel	3-1/4" (85 mm)		5-7/8" (150 mm)	
	Machine Weight	2,200 lbs (1,000 kg)	2,400 lbs (1,090 kg)	4,410 lbs (2,000 kg)	4,910 lbs (2,240 kg)
Crated Weight	2,650 lbs (1,200 kg)	2,900 lbs (1,315 kg)	4,410 lbs (2,000 kg)	5,025 lbs (2,280 kg)	
Electrical system	200/220-240 V, 3-phase, 50/60 Hz				
Instruction and parts manual	Standard				
One-year limited warranty	Standard				
RushVision Features:					
Preset automatic power zooming control system:					
15X, 30X & 60X	Standard				
30X, 60X & 120X	Option				
High resolution B/W camera	Standard				
CAD drawing of diamond wheel profiles	Standard				
Industrial PC, Windows OS, solid-state drive & 22" HD monitor	Standard				
LED Ring light and protective cover/diffuser	Standard				
Machine setup and training by Rush Personnel	Standard				
Additional equipment:					
Dust Collection System	Option				
Mist Coolant System	Option				
Auto-View camera positioning	Option	Standard	Option	Standard	