

Okamoto

ACC-DXV Series

**Saddle Type Surface Grinding Machines with
Automatic Wheel Head Retract, Programmable Dress Interval,
Automatic Dress Compensation & Wheel Wear Compensation**

*Models ACC-8•20DXV, ACC-12•24DXV, ACC-16•24DXV, ACC-16•32DXV,
ACC-20•24DXV, ACC-20•36DXV, ACC-20•40DXV*

Features- ACC-DXV Series

■ **Feature-Packed, Easy-to-Use Okamoto Electronic Control . . .** with X and optional Z Axis DROs simplifies set-up and operator convenience. Rough grind, finish grind and spark-out in one set-up.



Powerful Okamoto Control simplifies set-up, operation and operator convenience.

■ **Automatic Grinding Capabilities . . .**

- Surface Grinding
- Plunge Grinding
- Rough, Medium and Finish Grind in Cycle
- Pre-set Spark Out Passes

■ **Automatic Dress Cycle with Dress Compensation, Automatic Wheel Wear Compensation and Dress Interval Selection . . .** rotary encoder installed on hydraulic over-the-wheel dresser adjusts wheelhead position to maintain the grinding wheel to workpiece relationship. Saves time, boosts productivity.

■ **Automatic Wheelhead Retract . . .** after cycle completion, wheelhead automatically retracts to selected start position.

■ **Heavily Ribbed Meehanite Cast Iron Construction . . .** assures optimum rigidity and accuracy for both heavy-duty and extra-fine grinding requirements.



Wheel Dress capabilities include automatic dress cycle with dress compensation, automatic wheel wear compensation and dress interval selection.

**ACC-12•24DXV
Precision Saddle Type
Surface Grinder**



Machine pictured with options.

ACC-DXV Series Specifications

	8•20DXV	12•24DXV	16•24DXV	16•32DXV	20•24DXV	20•36DXV	20•40DXV
Capacity							
Maximum Grinding W x L	8" x 20"	12" x 24"	16" x 24"	16" x 32"	20" x 24"	20" x 36"	20" x 40"
Maximum Table Travel W x L - Manual	9" x 26"	14" x 30"	18" x 30"	18" x 38"	21" x 30"	21.3" x 41.3"	21.3" x 45.5"
Maximum Distance under 8" Wheel under 12" Wheel	1.87" ~ 15.6"	1.9 ~ 13.6		1.9" ~ 21.5"			
Standard Chuck Size (W x L x H)	8"x20"x3.2"	12"x24"x3.2"	16"x24"x3.5"	16"x32"x3.5"	20"x24"x3.5"	20"x36"x3.5"	20"x40"x3.5"
Table Load Capacity incl. Chuck	440 lbs	925 lbs		1,540 lbs			

Table

T- Slots (No. x Width)	1" x 0.7"	3 x 0.7"
Longitudinal Feed Rate	1 ~ 82 ft/min	
Hand Feed (per Revolution)	1.85"	

Crossfeed

Hand Feed (per Revolution)	0.25"						
Handwheel Graduation	0.001"						
Automatic Intermittant Feed	0.02" ~ 0.4"	0.02" ~ 0.8"					
Automatic Continuous Feed	4 ~ 40 ft/min			8 ~ 40 ft/min			

Wheelhead

Automatic Rough Feed	0 ~ 0.0015" (11 stages)						
Automatic Fine Feed	0 ~ 0.0005" (7 stages)						
Per Revolution (x 0.1 / x 1 / x 5)	0.001" / 0.01" / 0.05"						
Per Graduation (x 0.1 / x 1 / x 5)	0.00001" / 0.0001" / 0.0005"						
Number of Spark Outs	0 ~ 5						
Vertical Rapid Feed	23.6 in/min						

Grinding Wheel

Size (D x W x B)	8" x 0.75" x 1.25"	12" x 1.5" x 5"					
Spindle Speed	3,600 lbs	1,800 rpm					

Motor

Grinding Wheel Spindle	2 hp	5 hp 4 p	
Hydraulic Pump	1 hp	2 hp	2 hp 4 p
Vertical Rapid Feed / Infeed	0.5 hp AC Servo		

Power Supply

	4.5 KVA	7.5 KVA	8 KVA				
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Floor Space

Width x Depth x Height	95"x 63" x 70"	107"x 76" x 70"	107"x 87" x 70"	132"x 87" x 82"	107"x 97" x 80"	168"x 100" x 80"	179"x 100" x 80"
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Weight

Net Weight	3,810 lbs	5,500 lbs	6,160 lbs	8,800 lbs	7,040 lbs	10,580 lbs	10,580 lbs
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Specifications subject to change without notice.

Standard Accessories

- Automatic Over-the Wheel Dresser
- Built-In Chuck Controller up to 5 Amps
- Vertical Manual Pulse Generator
- Splash Cover with Coolant Nozzle
- Table Parks at Right Side for Safety
- Table Top Diamond Dressing Tool & Holder
- One Grinding Wheel and Wheel Adaptor
- Rapid Feed Up & Down
- Spark-Out System up to 5 Passes
- Rough & Fine Grinding Cycle
- Automatic Traverse & Plunge Grinding Mode
- Diagnostic System
- Leveling Bolts & Plates
- Necessary Tools & Tool Box

Optional Accessories

- Coolant System
 - Magnetic Separator for Coolant System
 - Coolant System with Paper Filter
 - Electro-Magnetic Chuck
 - Grinding Wheel Balancing Stand with Arbor
 - Hydraulic Oil Temperature Controller
 - Wheel Adaptor
 - Crossfeed DRO
- Other Options Also Available*

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