

ACRA GU-S SEMIAUTO & GU-P AUTOMATIC UNIVERSAL CYLINDRICAL GRINDERS



WHEELHEAD

- Swiveling Feature Ranged From 0 To 30 Degrees Toward Workhead Or Footstock Assures Angular Setting
- Grinding Wheel And Guard Can Be Mounted At The Right Side Of The Wheelhead For Angular Grinding
- Precision C1 Grade Ball Screw To Achieve High Accuracy
- 5 HP Motor
- Wheel Diameter From 14" To 8.7"
- Minimum Grinding Wheel Can Grind Component Of Diameter More Than 0.79"
- Wheelhead Body Can Be Moved Back Manually 3.7" To Provide Extra Capacity For Large Diameter Component

WORKHEAD

- Precisely Aligned Workhead
- Graduated Swivel Base For Easy Swiveling Up To 90° Toward Wheelhead And Up To 30° Away From Wheelhead
- Dynamically Balanced Motor
- Workhead Spindle Speed 10~250 RPM
- Automatic Start-Stop Control In Conjunction With Automatic Advance-Retraction Of Wheelhead
- Work Inching By Pushbutton To Assure Easy Checking Of Component Mounted Between Centers Or On Chuck

FOOTSTOCK

- Precisely Aligned Footstock
- Precision Axial Movement Of Center In The Precisely Machined Sleeve
- Lever-Clamping For Quick Movement Of Footstock To Desired Position Along Table
- Quick-Acting Retraction Of Center By A Spring-Loaded Lever
- Sensitive Adjustment Of Center Position By Screw At The Rear End Of The Footstock
- Double Protection By Covers And Bellows Against Intrusion Of Coolant Or Dust

COOLANT SYSTEM

- Coolant Tank Of 39.6 Gallons
- Coolant Flows And Stops Automatically According To Advance And retraction Of Wheelhead
- Isolated Location Of The Tank For Easy Cleaning And Replacing

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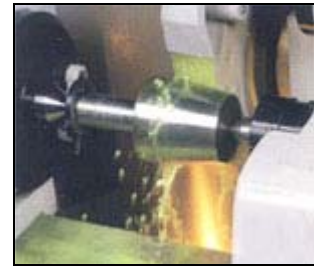
GRINDING OPERATIONS:



STRAIGHT PLUNGE



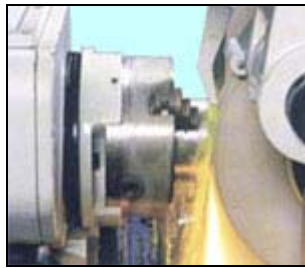
SHOULDER



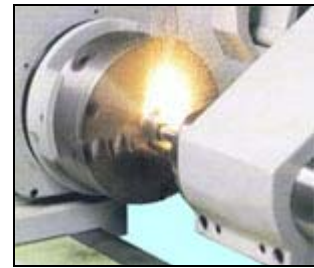
TAPER



TRAVERSE



FACE



INTERNAL

STANDARD ACCESSORIES:

- Grinding Wheel
- Wheel Flange
- Spanner
- Work Center Set
- Hydraulic Tank W/Pump
- Diamond Tool Holder

OPTIONAL ACCESSORIES:

- Diamond Tool Holder, with Micrometer Feed Table Mount
- Diamond Tool Holder, Footstock Mount
- Diamond Tool Holder, Internal-External With Micrometer Feed Table Mount
- Angular Turning Attachment (0 - 90°)
- Radius Turning Attachment (0 - 0.6')
- CAM - Lock Driving Dog (6 Pcs Set, 0.4, 0.8, 1.2, 1.6, 2.0, 2.4 Dia)
- Work Holders, Table-Mounted (2 Pcs Set, 0.4 to 4.8 Dia)
- Adjustable Steady Rest (2 Point, 0.4 to 4.8 Dia)
- 4 Jaw Independent Chuck 8" With Back Plate
- 3 Jaw Scroll Chuck 7" With Back Plate
- Magnetic Coolant Separator 10.56 Gal/Min
- Paper Filter 10.56 Gal/Min
- Balancing Stand & Arbor
- Internal Grinding Attachment
- Automatic In-Process Gauge

ACRA GU-S AEMIAUTO & GU-P AUTOMATIC UNIVERSAL CYLINDRICAL GRINDERS

SPECIFICATIONS		3250 / 3275 / 32100 S	3250 / 3275 / 32100 P
CAPACITY	Swing Over Table	12.6"	12.6"
	Distance Between Center	20" / 30" / 40"	20" / 30" / 40"
	Max Diameter Of Grinding Component	11"	11"
	Max Load Held Between Centers	330 LBS	330 LBS
WHEELHEAD	Swiveling Angle	± 30°	± 30°
	Total Stroke	11.6"	11.6"
	Handwheel Feed Stroke	6.3"	6.3"
	Additional Stroke By Sliding On Sub-Slide Base	3.7" (Total Stroke 295)	3.7" (Total Stroke 295)
	Automatic Rapid Feed Stroke	1.6"	1.6"
	Automatic Intermittent Infeed Amount (Inf. Var)	0.001"~0.0016"	N/A
	Automatic Infeed Stroke W/ Positive Stop	0~0.0315"	N/A
	Handlever Infeed Stroke W/ Positive Stop	N/A	0~0.0138"
	Movement Per Graduation Of Handwheel	0.0001 INCH/GRA	0.0001 INCH/GRA
	Movement Per Turn Of Handwheel	0.04"	0.04"
GRINDING WHEEL	Diameter x Width x Hole	14" x 2" x 5"	14" x 2" x 5"
	Wheel Speed	1,790/2,195 RPM	1,790/2,195 RPM
TABLE	Swiveling Angle	12.5° / 12° / 10°	12.5° / 12° / 10°
	Traverse Speed	2~157 INCH/MIN	2~157 INCH/MIN
	Min. Automatic Reciprocating Stroke	0.2"	0.2"
	Movement Per Turn Of Handwheel	0.78"	0.78"
WORKHEAD	Swiveling Angle (Counterclockwise-Clockwise)	90°-30°	90°-30°
	Center Taper	No. 4	No. 4
	Spindle Hole Diameter	0.78"	0.78"
	Spindle Speed	10~250RPM (Inverter 1 HP)	10~250RPM (Inverter 1 HP)
FOOTSTOCK	Center Taper	No. 4	No. 4
	Max. Retracting Stroke Of Center	1"	1"
MOTOR & POWER	Wheel Drive	5 HP	5 HP
	Work Drive	1 HP	1 HP
	Hydraulic Oil Pump Drive	1 HP	1 HP
	Lubricating Oil Pump Drive, Wheel Spindle Bearings	1/4 HP	1/4 HP
	Coolant Pump Drive	1/4 HP	1/4 HP
	Internal Grinding	1 HP	1 HP
	Voltage	220V AC / 3PH	220V AC / 3PH
TANK CAPACITY	Hydraulic & Lubricating Oil	17.2 GAL	17.2 GAL
	Lubricating Oil, Wheel Spindle Bearings	3.2 GAL	3.2 GAL
	Coolant Fluid	390.6 GAL	390.6 GAL
	Net Weight	5,070 / 5,952 / 6,835 LBS	5,070 / 5,952 / 6,835 LBS
	Shipping Weight	5,940 / 6,900 / 7,750 LBS	5,940 / 6,900 / 7,750 LBS

NOTE: The manufacturer reserves the right to modify the design, specifications, & mechanisms to improve the performances of the machines without notice. All specifications above are for your reference only.