



Precision Built Solutions™

## **DEVLIEG 4K-120 RETROFIT AND REBUILD**

1974 Devlieg 4K-120 rebuild is like a new machine. Fryer has disassembled the machine and replaced the ballscrews, bearings and CNC. All way surfaced are in excellent condition and an automatic lubrication system was installed. The Machine has been laser calibrated and ballbar tested. Retrofitted with a BRAND NEW Siemens 840D controller warrantied by Fryer. Equipped with a 20" travel bar type spindle and a powerful 40 HP spindle motor. Rugged box way construction and high precision ballscrews ensure high performance cutting and high accuracy tolerances. The user friendly Siemens 840D CNC allows shop floor programming for single piece runs or G code programming for high production.

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### **DEVLIEG 4K-120 HORIZONTAL CNC MACHINING CENTER**

- TRAVELS: 110" x 60" x 30"
- TABLE SIZE: 40" x 120"
- 40 HP - 50 TAPER BAR TYPE SPINDLE - 5 - 2,500 RPM
- W AXIS QUILL - 4.00" DIAMETER - 20" TRAVEL



Contact:  
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## **DEVLIEG 4K-120 RETROFIT AND REBUILD**

### **STANDARD MACHINE FEATURES**

- W axis quill - 4.00" diameter - 20" travel
- Z axis moving table - 10" travel
- 40 HP 2,500 RPM NMTB-50 spindle
- Remote electronic handwheel
- Handwheel run function
- Electrical cabinet air conditioner
- PLC way lube pump virtually eliminates tramp oil from coolant
- Rigid tapping with peck feature
- All axes laser calibrated & ballbar verified
- Hand built precision +/- .0002"
- Six month CNC parts warranty

### **STANDARD CONTROL FEATURES - SIEMENS 840D SL CNC**

- Simple menu programming - no codes of any kind
- G code editor runs Fanuc or Haas G code
- Solid model part verification shows entire part being cut
- Advanced tool management with tool life monitoring
- USB port for easy file transfers
- Absolute encoders - no homing required
- Regenerative drives save 40% on energy use
- Siemens High Speed all digital control system - Ultra reliable
- Siemens Digital motors, drives and cables
- Automatic part & tool probe cycles
- 99 work offsets and 250 tool offsets
- Coordinate, rotation and scaling
- User defined macros with 300 variables

#### **NOTES:**

VOLTAGE      380-500 VAC 3-Phase (Standard) 205-250 VAC is available for an additional charge  
 TERMS        30% DOWN, 70% PRIOR TO SHIPMENT  
 WARRANTY    6 months on CNC and new electrical parts only. Labor not included.  
 SHIPPING     FOB PATTERSON, NY USA  
 DELIVERY     4 - 8 WEEKS -

**ALL FRYER MACHINES ARE PROUDLY BUILT IN THE USA.**

REV 010123

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## SPECIFICATIONS

DEVLIEG 4K-120

### DEVLIEG 4K-120 RETROFIT REBUILD

MACHINE CAPACITY	X Travel	110"	
	Y Travel	60"	
	Z Travel	10"	
	W Travel	20"	
	Table Size	40" x 120"	
	Table Load (Evenly Distributed)	10,000 lbs	
	T-Slots (No./Width)	7 / .750"	
	Table Top to Floor	44"	
SPINDLE	Bar Diameter (quill size)	4.00"	
	Bar Travel - W axis	20.0" Fully programmable 'W' axis	
	Spindle Motor HP (peak)	40.0 HP	
	Spindle Speed (RPM)	5 - 2,500 RPM	
	Spindle Torque	450 ft/lbs @ 350 RPM	
	Speed Ranges	1 range	
	Tool Type/Taper	NMTB 50	
	Spindle Nose to Table Center	15" / - 35"	
	Spindle Center to Table Top	5.7 - 65.7"	
PERFORMANCE	Positioning Accuracy	+/-0.0005"	
	Position Repeatability	+/-0.0003"	
	Ballscrew Diameter	2.25"	
	Rapid Traverse	200 IPM X,Y,Z	
	Cutting Feed Rate	.001-200 IPM	
	Servo Type	AC Digital Brushless	
	Axis Thrust (Peak)	7,500 lbs.	
GENERAL INFO	Air Pressure Requirements	90 PSI 5 CFM	
	Power Requirements	125 AMPS @ 480 VAC	
	Shipping Dimensions* (WxDxH)	Contact Factory	
	Operating Dimensions (WxDxH)	298" x 146" x 146"	
	Machine Weight	55,000 lbs	

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REV 082831

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