



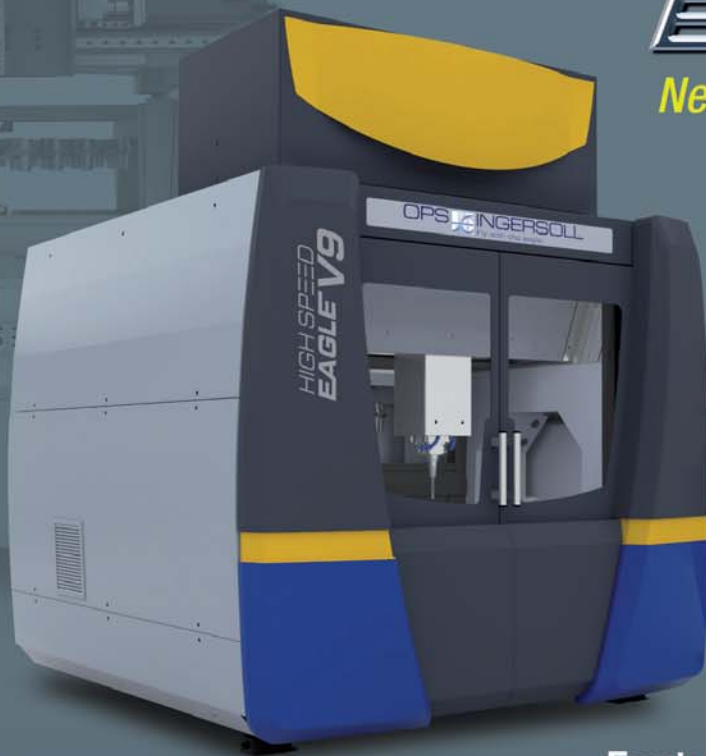
**Performance Machinery**  
CNC EDM, MILLING, WATERJET, AND ADDITIVE MANUFACTURING LLC

**NEW**

# The New HIGH SPEED *EAGLE V9*

**New Design - Innovative Technology - High Performance**

*HIGH SPEED*  
**EAGLE V9**  
*New 3/5-Axis Design*



**Compact 5-Axis Solution!**

**Machine Footprint: W x D x H**  
120.6 x 85.7 x 112.2 inch

**Axis Travel: X x Y x Z**  
31.5 x 23.619.7 inch

**3-Axis Table Size: X x Y**  
39.3 x 26.0 inch

**Rotary Table Size/Tilt:**  
23.6" Dia / +140 ~ -60 Deg.

## Features:

- **Double Gantry Drive** in both the X and Y-axis uses two motors and ball screws in each axis to provide the highest dynamics to meet the required drive rigidity.
- **Double Feedback System** uses two Heidenhain glass scales in each axis to maintain the highest accuracy possible.
- **4th/5th Axis** is a high dynamic tilt/turn axis capable of holding 1100 lbs with a +140 ~ -60 degree tilting B-Axis and 100 RPM rotary C-Axis.
- **Three Spindle Sizes Are Available:** The standard 36,000 RPM HSK E50 spindle can be optioned to a 42,000 RPM HSK E40 or a 24,000 RPM HSK A63 spindle to best fit your application.
- **Heidenhain 5-Axis Control** the iTNC-530 HSCi provides a 0.5ms block processing speed with a 1024 block look ahead and a premium software package to produce the smoothest 3D profiles.

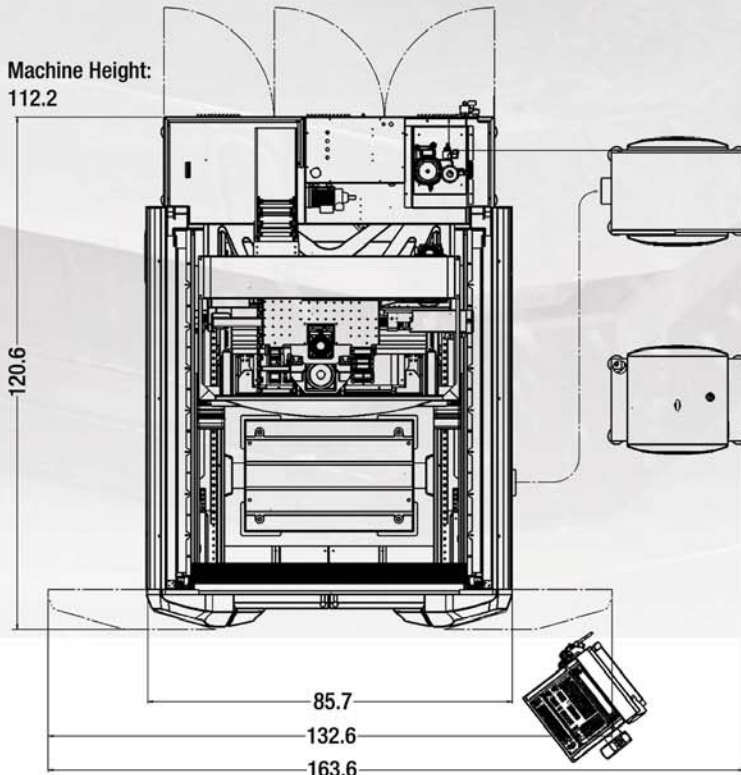
# Double Gantry Drive in X and Y-Axis

## Technical Data

Axis Travel	X = 31.5 in Y = 23.6 in Z = 19.7 in
Rapid Speed	max. 1771 in/min
Clamping Surface Table	X = 39.4 in Y = 26.0 in
Max. Load: T-Slot Table	up to 4400 lbs
Table	T-slot table can be built over 4 <sup>th</sup> /5 <sup>th</sup> -axis
T-Slots	4 x 18mm H12
Spindle Nose-to-Table min./max.	2.75 / 22.4 in
Power Requirements	32 kVA
High Frequency Spindle Selection	HSK E40: 1 - 42,000 rpm HSK E50: 1 - 36,000 rpm HSK A63: 1 - 24,000 rpm
Spindle Power	20.1 HP / 20.4 HP / 21.4 HP
Tool Changer Selection	88 positions (HSK E40) 72 positions (HSK E50) 48 positions (HSK A63)
Auto Lubrication	Standard
CNC Control	HEIDENHAIN iTNC 530 HSCi
Machine Foot Print W x D x H	85.7 x 120.6 in H = 112.2 in
Total Weight	25,353 lbs
Options	HSC tilting table: B-Axis +140 degree / -60 degree C-Axis 100 rpm Workpiece Weight: 1100 lbs
More Options	Laser system for tool measuring Automatic cutter cleaning station Infrared measuring probe PowerInspect Graphite Exhaust Unit Oil Mist Exhaust Unit Wet Cut Chip Conveyor SMS Alarm Ready for automation HEIDENHAIN software options



**4th/5th Axis Unit**  
Accepts 19.7" sq. pallets for automation that can load from either side of the machine.



## Workpiece Dimensions

3-AXIS



X / Y / Z  
31.5 / 23.6 / 19.7 in  
max. 4400 lbs

5-AXIS



Ø 23.6 in / H = 21.6 in  
max. 1100 lbs



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