

GANTRY EAGLE 2000



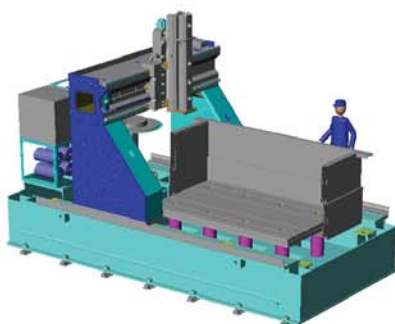
Axis-Travel: X / Y / Z
61.0 / 108.2 / 39.3"

Work-Tank: W / D / H
79.5 / 126.7 / 52.9"

- Ingersoll introduces the new EAGLE POWERTEC Touch Screen Control using 2 x 32-bit PC/NC processors, a Sercos interface at .25ms cycle time and Windows XP OS.
- EAGLE POWERTEC - Generator PT 60 is the worlds first "**Adaptive Current-Shape**" power supply. Each discharge pulse calculates and creates the ideal current shape to match the exact discharge requirements of the moment.
- The Gantry Eagle 2000 is a machine built for the really BIG Jobs with a MAX workpiece capacity of 66,000 lbs and a MAX electrode weight of 3,300 lbs.

OPS  INGERSOILL
Fly with the eagle!

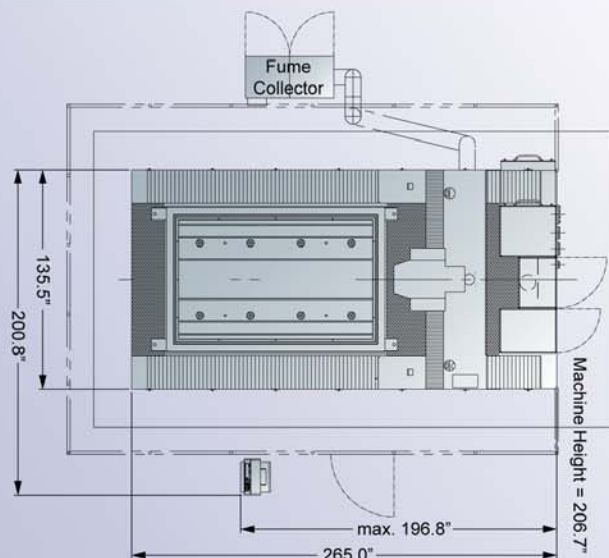
MC MACHINERY
SYSTEMS, INC.
a subsidiary of  Mitsubishi Corporation



The Gantry Eagle 2000 provides a flexible and future-orientated solution for the EDM tasks of the tool and mold industry.

GANTRY 2000 Technical Specifications

Axis Travels (X x Y x Z)	in	61.0 x 108.2 x 39.3
Worktank Internal Dimensions (W x D x H)	in	79.5 x 126.7 x 52.9
Max Dielectric Fluid Level	In	51.1
Table Dimensions (W x D)	in	76.3 x 125.2
Max Workpiece Weight	lb	66,138
Max Electrode Weight	lb	3,307
Table to Ram Platen Distance min/max	in	17.7 / 57.0
Rapid Travel Speed (in/min)	in	315.0
Machine Install Dim (W x D x H)	in	135.8 x 267.7 x 208.6
Machine System Weight (wet)	lb	114,640
Fluid System Capacity	gal	4,491
Filtering Method/ Size	Sq/ft	4 Paper Cartridge 430.5
ATC Standard (Linear)	pos	20
ATC Optional (Rotary)	pos	50
C-Axis RPM (Adjustable)	RPM	1 ~ 20
Max Single Electrode Weight ATC	lb	55
Max Total Load 20 Pos ATC	lb	330
Min Indexing Angle	Deg	0.001
Power Supply Peak Current STD (optional)	AMPS	PT60 = 83 (PT100=110)
Required 3-Phase	V	400 Fused to 50 AMP
Current Draw Continual Load	kVA	33.0
Automatic Lubrication System		Standard



EAGLE POWERTEC

Generator-Technology

Introducing the worlds first EDM power supply with **"Adaptive Current-Shape"**. By means of high-speed monitoring and process control, rough machining speed is doubled while the spark gap is reduced. At the same time electrode wear is dramatically reduced providing much improved accuracy and finish.



Rotation With Precision

The C-Axis

Precision, stability and reliability are the characteristics of the new C-axis. A strong brake holds the C-axis position against machining forces. The rugged drive enables to turn even bigger electrodes safely into position. Clamping chucks of different manufacturers are accepted.



Strong and Precise

Linear Slideways

High weight capacity, low friction, precision movement and protection against contamination are characteristics of the linear roller guides. Together with central lubrication they provide maintenance free operation for long running periods.



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