GANTRY 1200 EAGLE



Axis-Travel: X / Y / Z 39.4 / 59.4 / 27.5"

Work-Tank: W / D / H

50.0 / 69.7 / 26.8"



- 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 1200 also features EAGLE POWER JUMP which now provides jump speeds up to 18 m/min.(708"/min) which can improve processing time by 50%.

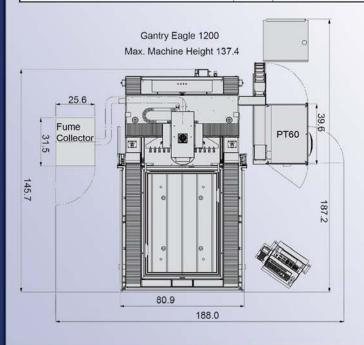






GANTRY 1200 Technical Specifications

Axis Travels (X x Y x Z)	in	39.3 x 59.0 x 25.6
Worktank Internal Dimensions (W x D x H)	in	50.0 x 69.7 x 26.8
Max Dielectric Fluid Level	In	25.2
Table Dimensions (W x D)	in	64.5 x 44.9
Max Workpiece Weight	lb	16,534
Max Electrode Weight	lb	660
Table to Ram Platen Distance min/max	in	5.9 / 31.5
Rapid Travel Speed (in/min)	in	196.8
Machine Install Dim (W x D x H)	in	164.5 x 178.2 x 137.5
Machine System Weight (wet)	lb	33,069
Fluid System Capacity (in machine base)	gal	740
Filtering Method/ Size	Sq/ft	2 Paper Cartridge / 215
ATC Standard (Linear)	pos	15
ATC Optional (Rotary)	pos	30 or 50
C-Axis RPM (Adjustable)	RPM	1 ~ 20
Max Single Electrode Weight ATC	lb	33
Max Total Load 15 Pos ATC	lb	220
Min Indexing Angle	Deg	0.001
Power Supply Peak Current STD (optional)	AMPs	PT60 = 83 (PT100=110)
Required 3-Phase	V	400 Fused to 32 AMP
Current Draw Continual Load	kVA	18.0
Automatic Lubrication System		Standard



OPS INGERSOLL Fly with the eagle!

The Gantry EAGLE 1200 provides a flexible and future-orientated solution for the EDM tasks of the tool and mold industry.

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.

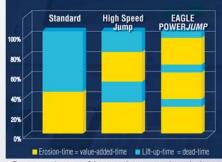


EAGLE POWER JUMP

Higher Jump-Speed: up to 18 m/min.

Processing time can be reduced by as much as 50% due to the effectiveness of the upgraded

ratio between erosion time and lift-off-time. A shorter dead-time creates a shorter burn cycle which inturn provides higher process-stability in difficult burning conditions.



Comparison of burn-time vs dead-time

Drives

Highest Precision

The High-Performance Servo-System accelerates the Z-axis with 1.4 G to an interval-speed up to as much as 18m/min. A specialy designed ball screw along with

an optimized lubrication and cooling system were developed to maintain reliability. An improved measuring system in the Z-axis was developed to ensure high precision and long life of the machine components providing premium results for all EDM applications.



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