




See this machine in action on YouTube 

NeoSpark B 500 is shown

- The NeoSpark CNC Electric Discharge Machine delivers excellent cutting performance, is cost-effective, and operating cost is extremely low
- The cast-iron machine frame features a modern C-frame with T-base, multiple reinforcing ribs, precision-machined surfaces and thermal stress-relief
- Rigid linear guides and precision preloaded ballscrews on all axes ensure permanent mechanical precision
- The IPC-based control system with servo drives is fine-tuned to the manufacturing process requirements, plus, it is user-oriented and reliable
- 2-step filtration system in the dielectric tank ensures uninterrupted operation and high machining quality



The NeoSpark allows production of delicate contours with superior surface quality



In additive production (3D-Printing) the produced complex parts are attached to a metal plate, where the metal plate subsequently will have to be separated from the component (Neospark 500 B Continental Engineering Services)

High-Speed Wire EDM Cutting Technology for 3D Metal Printing

- Compared to mechanical divisions, there is virtually no pressure on the component
- Delicate structures can be machined without the risk of deformation or microcracking in the cut surface
- Perfect balance between cutting accuracy and high cutting speed
- Significantly more cost-efficient than conventional wire EDM
- Long wire life ensures high productivity and minimal downtimes

Standard Equipment

erosion wire 0.007", Dielectric 22 lb, electronic manual control unit, device for maintaining constant wire tension, Wire setup assistance, generator, USB port, Ethernet, standard wire guides, dielectric tank with pump, work lamp, warning beacon, AC power stabilizer, leveling plates and jacks, central lubrication, operating tools, operator manual

Specifications		NeoSpark B 300	NeoSpark B 500
Working Area			
Table dimensions	in	24x17	32x21
Workpiece, length x width x thickness (max.)	in	38x22x12	47x26x16
Workpiece weight (max.)	lbs	1,100	1,760
X-axis travel	in	16	24
Y axis travel	in	12	16
Travel U / V-axis	in	2,75 / 2,75	2,75 / 2,75
Z-axis travel	in	10	14
Cutting angle (with guide)		± 10° / 3"	± 10° / 3"
Cutting capacity (max.)		200	200
Generator		10	10
CNC control			
Display size / type		15" / LED	15" / LED
Controlled axis		4	4
Input increment (min.)	in	0.00004	0.00004
Dielectric system			
Dielectric, tank capacity	gal	47.5	47.5
Feed			
Rapid feed X / Y axis	in/min	39	39
Accuracies			
Positioning accuracy X / Y axis	in	0.0004	0.0004
Positioning accuracy U/V axis	in	0.0008	0.0008
Repeatability X / Y axis	in	0.0002	0.0002
Repeatability U / V axis	in	0.0004	0.0004
Best surface roughness	µm Ra	0.8	0.8
Drive Capacity			
Motor rating X / Y axis	Hp	0.2	0.3
Motor rating U / V axis	Hp	0.03	0.03
Motor rating Z-axis	Hp	0.03	0.03
Total power consumption	kVA	2	2
Measures and Weights			
Overall dimensions (length x width x height)	in	81x63x73	95x75x82
Weight	lbs	4,400	5,720
Part No.		180558	180559