



Premium

AQ327L

Picture shows CE specification

AQ537L

High Speed Linear Wire EDM
With LP Power Supply



Sodick

Nano&Solution

Specification AQ327L/AQ537L

Specification Of Machine	AQ327L Premium	AQ537L Premium
Max. workpiece dimensions (W x D x H)	570 x 420 x 240 (Flushing) mm 570 x 420 x 230 (Submerged) mm	770 x 520 x 340 (Flushing) mm 770 x 520 x 280 (Submerged) mm
Max. workpiece weight	500 kg	1000 kg
Work tank size (W x D)	850 x 610 mm	1050 x 710 mm
X axis travel	370 mm	570 mm
Y axis travel	270 mm	370 mm
Z axis travel	250 mm	350 mm
U axis x V axis travel	120 x120 mm	120 x120 mm
Taper angle (workpiece thickness of 100mm)	±25°	±25°
Wire diameter	0.15~0.30*1 mm	0.15~0.30*1 mm
Wire feed speed (max)	420 mm/sec	420 mm/sec
Wire tension	3~23 N	3~23 N
Distance from floor to table top	995 mm	995 mm
Machine tool dimensions (W x D x H)	2225 x 2395 x 2220 mm	2600 x 2740 x 2390 mm
Machine installation dimensions	3200 x 3200 mm	3700 x 3900 mm
Machine tool weight	3950 kg	5200 kg
Total power input	Normal: 10,5 KVA	Normal: 10,5 KVA

Due to ongoing research, specifications are subject to change without prior notice

#1 Option: Ø 0.1 mm /

Premium Features

- LP33W High-speed generator
- Super Pika W fine finishing circuit down to Ra 0.1 µm*
- Rise and fall work tank

* Conditions vary according to material and thickness. Please consult your sales representative for further details.

Dielectric Tank	AQ327L Premium	AQ537L Premium
External dimensions (W x D)	650 x 2080 mm	725 x 2550 mm
Weight (empty)	400 kg	600 kg
Capacity	600 lit	800 lit
Dielectric filtration system	Replaceable paper filter (internal pressure 3-shell type)	Replaceable paper filter (internal pressure 3-shell type)
Deionizer	Ion exchange resin (18-lit container)	Ion exchange resin (18-lit container)
Chiller	Std	Std

CNC Power Supply LP33W/34W	
Max. machining current	60A
Power requirement	200/220V 50/60Hz
CNC unit	Multi-task OS, Sodick Motion Controller
User memory capacity	Edit: 100,000 blocks / saving: 30MB
Memory device	CF Card, External Memory
Input format	USB part, LAN, Touch Screen, Keyboard
Display type	15.1" TFT-LCD Touch Screen (XGA)
Character set	Alphanumeric and symbols
Simultaneously controlled axes	Max. 4 axes (LP34W: Max. 8 axes)
Min. input command	0.1µm
Min. drive unit	0.1µm
Drive mechanism	Linear motor

Standard Features	
Taper cut unit	Tension servo
Corner control	FTII (Fine pick-up function)
Energy saving circuit	High speed electrolysis free circuit
Dielectric cooling unit	Automatic voltage regulator
High speed wire threading unit (AWT)	Wire tip disposal unit
Air Filter	Z-axis automatic fluid level control
Paper filter (3)	Tool kit
Ion-exchange unit (18 lit)	APW (automatic power recovery)
LAN connection	Work light
USB port	Linear scale (X. Y. U. V axis)



saving energy Lower ecological impact due to energy saving technologies incorporated in all SODICK products.

Sodick's development of core technology has led to world record achievements in high speed precision machining; the "7 series" is the result. Numerous simulations with the latest 3-D designing systems have demonstrated the benefits of Sodick's design, which uses ceramics for the key components of the machine tool. However, Sodick does not lose sight of proven traditional methods, such as the scraping of all mating surfaces, to perfect the high rigidity of the basic machine structure. The power supply controls the machine tool using the latest electric discharge control system, and linear motors are employed on each axis for perfect responsiveness.

Core Technology To Achieve The World's Best Quality

AQ327L/AQ537L



Picture shows non-CE specification

Supporting World Leading Manufacturers. The Ultimate In Machining Speed And Accuracy.

A new world standard in accuracy and ultra high-speed machining has been set

Sodick has combined the latest 3D technology with its expertise and manufacturing experience to create the very best in linear drive performance and technology: the 7 series. Furthermore Sodick's continual pursuit of ergonomics promises customers the ultimate performance in terms of user-friendly, efficient and diverse machining capability.

Sodick is the world pioneer of Linear EDM

Sodick sold over 20,000 linear EDM machine tools. This clearly demonstrates the advantages of linear technology combined with EDM.