

SODICK AQ 537 L Premium

Wire EDM machine



Manufacturer	SODICK
Model	AQ 537 L
Manufacture year	2008
Control	LP33W
Travels	X – 570 mm / Y – 370 mm / Z – 350 mm U – 120 mm / V – 120 mm
Working hours	approx. 24.400 h

TECHNICAL DATA

Travels X x Y axes	570 x 370 mm
Travels U x V axes	120 x 120 mm
Travels Z axis	350 mm
Max. workpiece dimension	770 x 520 x 340 mm
Max. workpiece weight	1.000 kg
Distance floor-table	995 mm
Controlled axes	5 (X,Y,U,V,Z)
Step resolution	0,0001 mm
Max. positioning speed	3,0 m/min
Wire diameter	0,15 – 0,33 mm
Max. Wire clamping device	8 kg
Wire tension	3 – 23 N
Max. wire speed	420 mm/sec
Taper angle	30° (+/- 25° / 100 mm)
Weight of the machine	5.200 kg
Dimensions	2.600 x 2.740 x 2.390 mm
Required installation area (W x D)	3.700 x 3.900 mm
Colour	Silver & Gold
AC power, complete	15 kVA
Dielectric device	
Capacity	800 l
Empty weight	600 kg
Type of filter	3 exchangeable paper filters
Water treatment	built-in deionizing system
Deionize cartridge	18 l
Water temperature control	built-in cooling device
Dimensions	725 x 2.550 mm

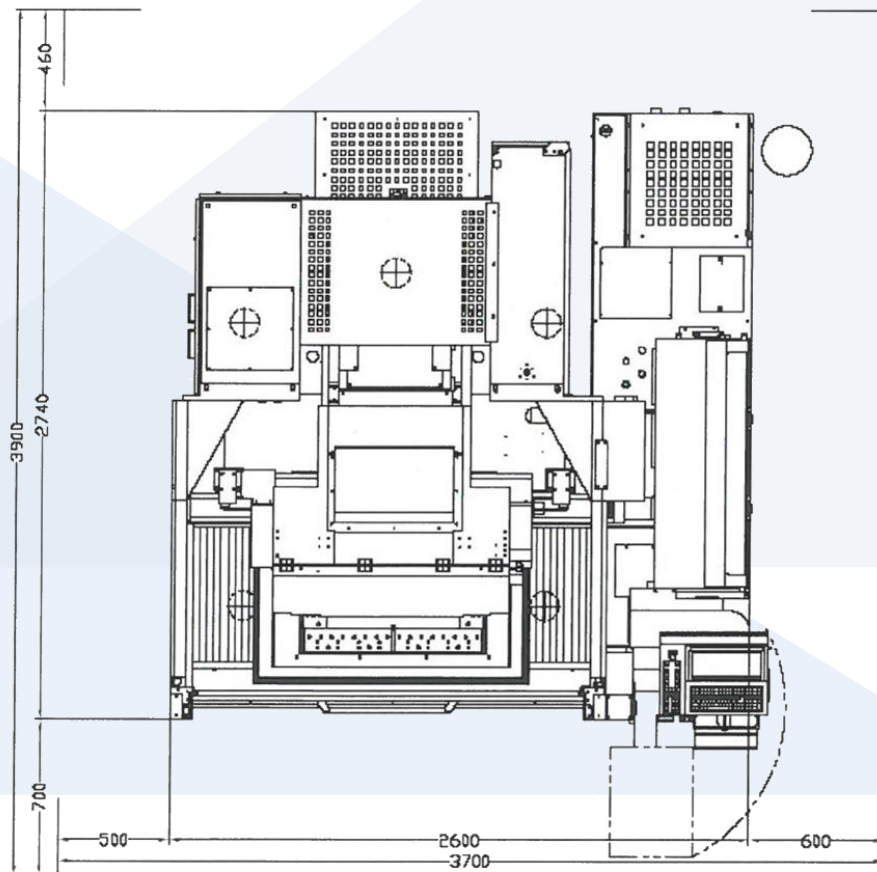
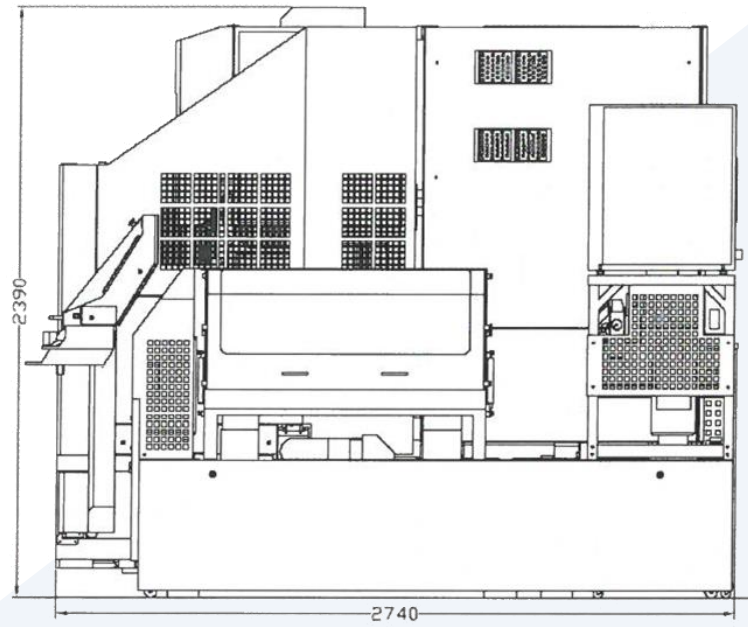
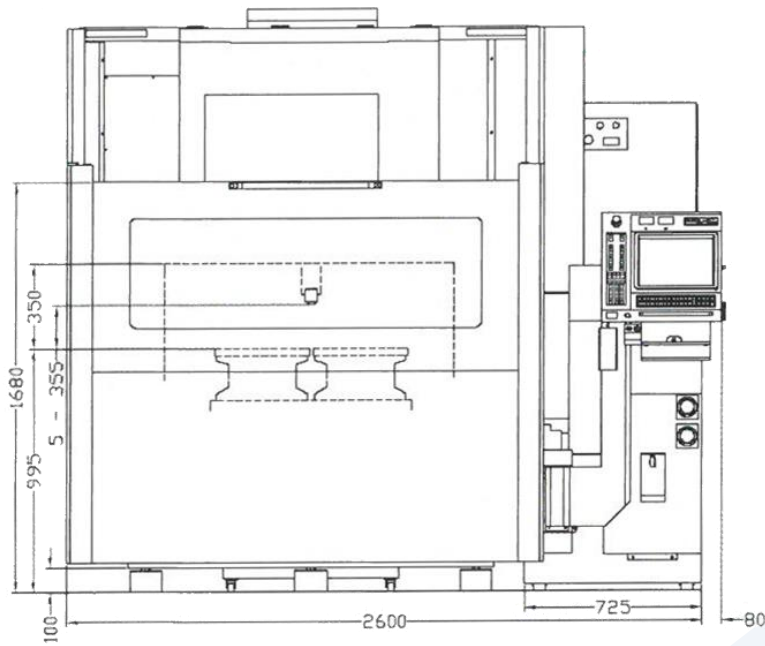
CNC control LP33W + Generator

Max. operating current	60 A
Pulse generator	Optimized impulse control
Power supply	380/400 V, 50 Hz
CNC device / Multitasking operating system	Sodick Motion Controller
User memory	100.000 blocks / 30 MB
Data carrier	USB Stick, External memory
Input options	Touchpanel, Keyboard
Display	15" TFT – LCD
Encoding	Alphanumeric characters and symbols
Keyboard	Standard (101 buttons), function buttons
Positioning	Incremental and absolute
Max. Input command area	$\pm 999999.999 / \pm 99999.9999 / \pm 99999.99999$
Storage capacity erosion parameters	1.000 data sets (C000 - C999)
Storage capacity offset	1.000 data sets (H000 - H999)
Program sequence numbers	N000000000 - N999999999
Subroutine nesting levels	50
Q command interleaf unseen	7
Number of coordinate systems	60
Simultaneously controllable axes	max. 4 axes
Smallest input command	0,1 μm
Smallest drive unit	0,1 μm
Tip feed rate	max. 5 m/min
Displacement sensor system	Linear scales
Drive system	Linear, rotary motors
Error compensation	Individual for each axis
Editing	2 simultaneous displays, in the background
Graphic	XY-level, XY-YZ-level, 3D, graphics function in the background, EDM display etc.

EQUIPMENT

- CE confirmity
- Machine tool in solid cast construction
- Operating hours counter (to record the processing time)
- Linear drives in the X, Y, U, V axis
- Glass scales in the X, Y, U, V axis
- 0,1 μ step resolution
- Automatic high-speed wire threading
- Wire disposal (increases the reliability of the threading process)
- Special corner control strategy
- Ceramic elements for worktable, Z axis quill, clamps, wire guide arm
- Standard tool kit (tools for daily maintenance)
- Dielectric cooling via thermostat control
- Anti electrolysis generator (BS Generator)
- UPS uninterruptible power supply (15min)
- Lowerable container incl. automatic level control
- 15" TFT - LCD colour display
- Hard disk
- USB interface
- LAN Interface
- Remote control
- Mouse
- 64 Bit CNC control
- Graphic screen recording
- Integrated Sodick CAD/CAM Software I Q Vie Studio
- Net filter
- User manual / Documentation / Machine parameters

SPACE REQUIREMENTS



Thank you very much for your interest

maschinen  Team



We do not guarantee the accuracy and completeness of these documents. We further do not assure any characteristics and qualities. The named machine, which is up for sale, is used.