

MAKINO U53K SPECIFICATION**a) Machine Specifications**

Travel X x Y x Z (mm)	520 x 370 x 320
Travel U x V (mm)	+/- 35
Table working area (mm)	780 x 560
Maximum work piece size (mm)	940 x 780 x 320
Maximum fluid height (mm)	335
Maximum work piece weight (kg)	1500
Wire electrode diameter (mm)	0.07, 0.1, 0.15, 0.2, 0.25, 0.3
Wire federate range (mm/s)	+/- 15 degree / 100 mm t
Dielectric fluid (L)	830
Machine dimensions W x D x H (mm)	2440 x 2487 x 2245
Floor space W x D (mm)	3340 x 3080
Machine weight (kg)	5900

b) Accuracy

Positioning accuracy (mm)	+/- 0.001
Repeatability (mm)	+/- 0.001
Roundness (mm)	0.003
Best surface finish umRmax	0.5

c) Machine Specifications

Submerged machining specification
 Z-axis NC control
 Drop-tank design
 Automatic wire threading unit
 Dielectric fluid cooling unit
 Flat crossplate

d) MGW-K Machining Generator

Item	Specification
Circuit type	Transistor pulse circuit
Maximum machining current	30 A
Current settings	128 levels
Voltage settings	35 levels
OFF intervals	256 levels
Automatic voltage regulator	Standard
Cooling system	Forced air-cooling
New LL generator circuit	Standard

