North American Importer for Seibu Quality Wire EDMs
Seibu
Wire EDMs
100%
MADE IN JAPAN
Seibu targets the high precision wire EDM market
Seibu is a Japanese manufacturer of high-precision wire EDMs located in Kogo City, Fukuoka. KGK International is the North American importer for Seibu. Built the 1st CNC wire EDM in 1972.
Meehanite ribbed castings have a dense, fine grain structure ensures casting solidity and consistent physical properties which ensures stability & rigidity.

Critical areas of the castings are precision ground in a temperature controlled room.

The castings are then hand scraped which improves the surface flatness resulting in improved positioning, part accuracy for many years.
Only 50 individually handcrafted, high quality Seibu machines are produced per month.
This Seibu wire EDM is 30 years old and is still producing quality parts.
Guideways are inspected for straightness and flatness.
Machines are laser checked for axes straightness & positioning accuracy.
Quality Control

Each Seibu machine is thoroughly inspected and must pass quality control test before it leaves the factory. The report inspects all axis and documents the results which is accompanied with each machine.
Model | M35B | M50B | M75B  
---|---|---|---  
X,Y,Z axis travels | 14" x 10" x 9" | 20" x 14" x 12.2" | 30" x 20" x 12.2"  
wire diameter | .004" - .012" | .004" - .012" | .004" - .012"  
X,Y,U,V,Z drives | FANUC | FANUC | FANUC  
32mm ball screws | THK | NSK | NSK  
linear bearing guideways | THK | THK | NSK  
.05um X,Y scales | HEIDENHAIN | HEIDENHAIN | HEIDENHAIN
Our technology sets us apart from the competition.
In 1995, Seibu developed the world’s most reliable AWF. 17” of the wire is annealed which straightens the wire. This 99% reliable AWF combined with our patented friction sensor can thread through wire break points while the machine is submersed.

Seibu’s AWT can also thread wire down to .002” diameter.
Start Hole Attachment

Every operator has experience that “Oh No” moment when they realize a wire EDM start is missing or in the wrong place.

With Seibu’s start hole attachment, an operator can mount the device to the wire EDM and burn the start hole within minutes.
Seibu’s “CORE STITCH” welds the wire EDM cores (slugs) so they do not fall and possibly cause damage to the machine. The cores can be removed by tapping lightly.

An operator can reduce cutting-off process time by up to 97%. This is the industry’s first technology, and it will revolutionize the efficiency of wire EDM.
EL Coating for Carbide

During the wire EDM process, the dielectric water can dissolve the carbide’s cobalt binder. This will weaken the life of the carbide tool.

With Seibu’s EL Coating, during the final skim pass the eroded carbide is coated with a thin layer of brass (from the wire). This coating prevents the cobalt depletion resulting in increased tool life.
Seibu Thermal Adjust 24

During long run EDM machining, a wire EDM upper head can move because of thermal expansion created by the change within the room temperature. For some shops it’s very difficult to keep their EDM room within the close temperature specs required by the manufacturer.

With Seibu’s Thermal Adjust 24 feature, thermal displacement can be corrected and thus eliminating costly machining errors created by a change in the room temperature.
SMART NC Control

21.5” touch screen
optional CAM station
MDI-Ethernet-USB
1GB memory capacity
desktop software allows you to load programs & set cutting conditions

2 Year Warranty
control drives – motors: X,Y,U,X ,Z
It is possible to check the necessary information during cutting or maintenance work on any screen at any time.
The FANUC control will show 3D images of the machine and the location of any alert messages.
The condition set page contains over 4,000 cutting parameters & prompts the operator to input the workpiece material, thickness, wire dia./type and the required surface finish.

The control will automatically decide the number of passes, conditions & offsets.
online manuals
Contact us for a test cut & we’ll prove why we’re the best.

543 W. Algonquin Road
Arlington Heights, IL 60005
info@kgki.com
www.kgki.com
ph: 847-981-5626