

# CNC Wire cut EDM

## **Scut<sup>+</sup> Series**



**The Partner  
to the Best Solutions !**



SPM is a CE and ISO 9001 certification company.



# SPM History

We make it  
Only One way 29 years for  
Wire Cut EDM !

## 1993

**93**

Established Seoul Precision Machine in Gunpo City. (Started Wire Cut electric discharge Machine development)

**94**

Finished development of new product Purchased factory (3 Ra 120 at Sinhwa Ind. Zone)

**95**

Move to shihwa Ind. Zone(3Ra 120).  
New products presentation(SP-100A) ,  
produced No.1 Wire Cut Machine.  
Finished development of large type (SP-300A, SP-400A)

**96**

Finished development of middle type(SP-200A)

**97**

Produced No.100 Wire Cut Machine.

**99**

Export to Sehnzhen the 1st (china) , LA the 1st (USA)  
Produced No.200 Wire Cut Machine

**00**

Qualified BS EN ISO 9001:1994/KS A 9001:1998 certificate  
Export to Taiwan, Singapore  
Selected as a promising small business company  
Produced No.300 Wire Cut Machine

**01**

Move to Shihwa Ind. Zone(2Da 607). Produced No.400 Wire Cut Machine

**02**

SPM and one other trademark registration (01-12897, 01-12898)  
Registered as a utility model for wire-cut electric discharge machine (0284493)  
Registered utility model for wire cutting electric wire cutting machine (0284494)  
Production of wire cut electric discharge machine no. 450,  
completion of extension factory registration

**02**

Yonsei University and linux based embedded type control board development agreement Venture company certification (new technology company), company affiliated research institute certification  
SP-320A, 430A, 640P, 740P, 1060N CE certification  
Selected as INNO-BIZ by Technology Innovation Type and selected as a superior technology company by Korea Technology Credit Guarantee Fund

**03**

Selected as a consortium of industry-academy-research institutes (expectation), ISO9001 (KAB)  
Selected as a financial support company for Gyeonggi-do subsidiary materials. Joined the Korea International Trade Association  
Visiting 16th Korea-Japan Industrial Technology Exchange  
Designated as promising export small and medium enterprise (Gyeonggi Small and Medium Enterprise Export Support Center)  
Selected as a promising medium-sized company by Gyeonggi-do. North Korea Approves Contact (Ministry of Unification)  
Representative Director Commendation by the Minister of Commerce, Industry and Energy.  
Awarded the 1 million dollars Export Tower

**04**

SP-850P CE Specification Certification  
Patent registration of jet water suction device for wire cut electric discharge machine (No. 0452481)  
Host company contract for company disclosure  
Registered Utility Model Cooling Device for Wire Cut Electric Discharge Machine (0365677) President's Commendation.  
Awarded a prize of 3 million dollars export  
Venture company certification of new technology (Gyeonggi Provincial Small and Medium Business Administration)

**05**

Transparent Management Declaration (Technology Credit Guarantee Fund).  
Selected as Innovative Small Business (INNO-BIZ)  
Succeeded in Small Business Innovation Development Project (Small and Medium Business Administration)  
Production of No. 800 wire-cut electric discharge machines.



## GREETING

Our company was founded in 1993 and has been developing wire cut electric discharge machine for util-now. We have been endeavoring to create a high-level wire cut with the support of many customers. We have developed wire-cut discharge machine with pure domestic technology without foreign technical cooperation, and have become a company that develops, produces and sells the only wire-cut discharge machine in Korea with competitive quality and superior quality in the domestic market dominated by foreign products.

In the field of machine tools, which is the foundation of manufacturing, we have developed our own equipment and brand, we are taking a leap to become a product that is exported overseas.

Our own company-affiliated research institute is working hard to develop new technology.

We produce and supply high-precision wire-cut blower for semiconductor, electric and electronic, mold manufacturing, aerospace and automobile industries. Automatic wiring devices to contribute to manufacturing automation, anti-corrosion discharge, improved surface roughness, and the operating system combined with the latest PC specifications. And also we are committed to creating equipment to meet the demands of the site in order to meet the manufacturing environment by linking the robot department for automation and improving the environment of the workplace.

Thank you for your sustained support of our company.

We promise to supply more advanced and higher quality machines to our customers in the future, we will do our best to become the more advanced and developing company with the sense of responsibility that we are responsible for only wire cut discharge machine.

*Lim Jong Seog*

CEO OF SPM CO.,LTD.

### 06

Registered a utility model for the jet water recovery device of wire cut electric discharge machine (20-0413615)

Registered patent for processing work tank sealing device of wire cut electric discharge machine (No. 10-0570740)

Participated in Seoul International Machine Tool Fair (SIMTOS)

Re-certification of KS A 9001: 2001 / ISO 9001: 2000

SP-325S, 530S, 530P, 850S, 1060P, 1370P Certification of CE standard for the discharge power supply control device of wire cut electric discharge machine (20-0418908)

EZ-10S, 20S, 20F, 30F, 40S, 40F, 50F, 60F CE certification

Registered patent and method of single-wire wire connection device for wire cut electric discharge machine (10-0664824)

### 07

Venture Business Certification (Technology Evaluation Guarantee Company)

Registered as a patented wire guide structure for wire cut electric discharge machine (10-0771798)

Registered e-Zcut trademark (40-0726578)

EZ30S, EZ50FS CE standard wire cut electric discharge machine shipped No.1,000

### 09

Recertification of KS A 9001: 2009 / ISO 9001: 2008

Registered patent for wire cut electric discharge machine which can mix submerged type and flushing type (10-0901468, 10-0901452)

### 10

Registered as a patent

for a wire recovery device for wire cut electric discharge machine (No. 10-0993082) for jet water recovery device of wire cut electric discharge machine (No. 10-1003969) for splatter prevention device when cutting wire of wire cut electric discharge machine (No. 10-1003971)

EZCON trademark (40-0848223)

### 11

EZ10S, EZ40S, EZ60FS, EZ40F, EZ50F, EZ60F CE certification Registered a patent for a wire recovery device for wire cut electric discharge machine (No. 10-1017353) certificate of product-specification approved exporter (KOR-EU / KOR-INDIA/ KOR-ASEAN)

Awarded the Gold Tower for Exporting over 5 million

### 12

KS Q 9001:2009 / ISO 9001:2008 certification

EZ70FS CE certification

### 13

Releasing Wire Cut EDM No. 1,500

EZ15S, EZ65FS CE certification

Registration of patent for lift-off structure of wire-cut electric discharge machine which can mix submerged type and flushed type(No.10-1297914)

### 14

New generator development released

EZ CON 3.0 Good Surface Finish achievement(3cut: Ra 0.3um, 4cut: Ra 0.2um)

### 16

Launched high quality Smart cut new model S-cut Series

### 18

Changed company name from Seoul Precision Machine to SPM Co.,Ltd.

Movement office and factory

Launched Smart cut S32 model

### 20

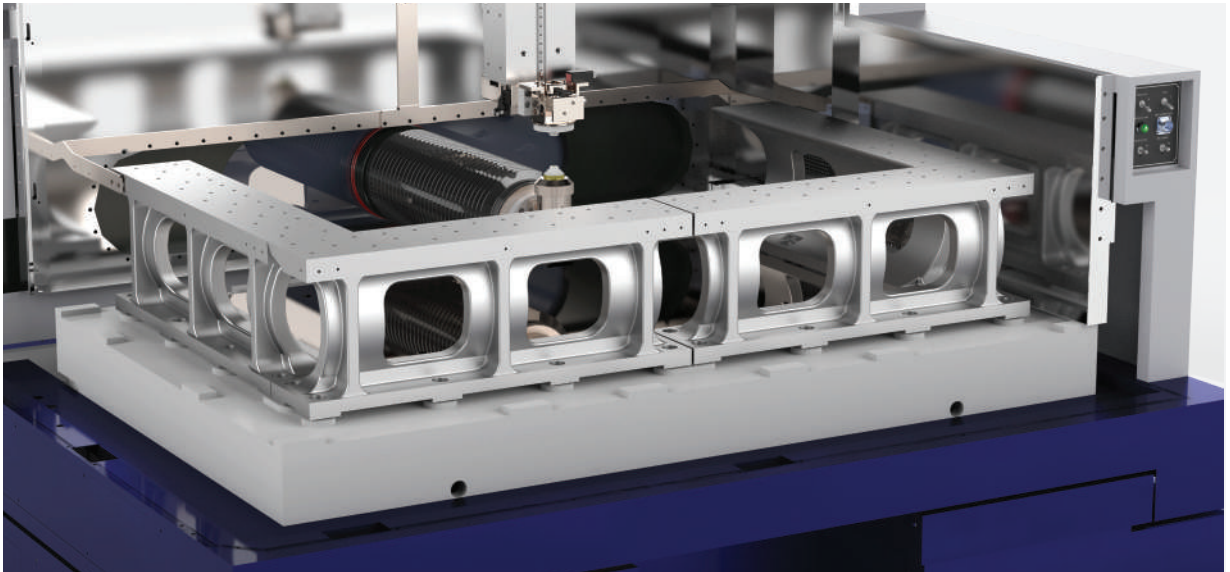
"20 Smart cut+ (Plus) New Design" Launch

# 2022

# STRONG BODY STRUCTURE

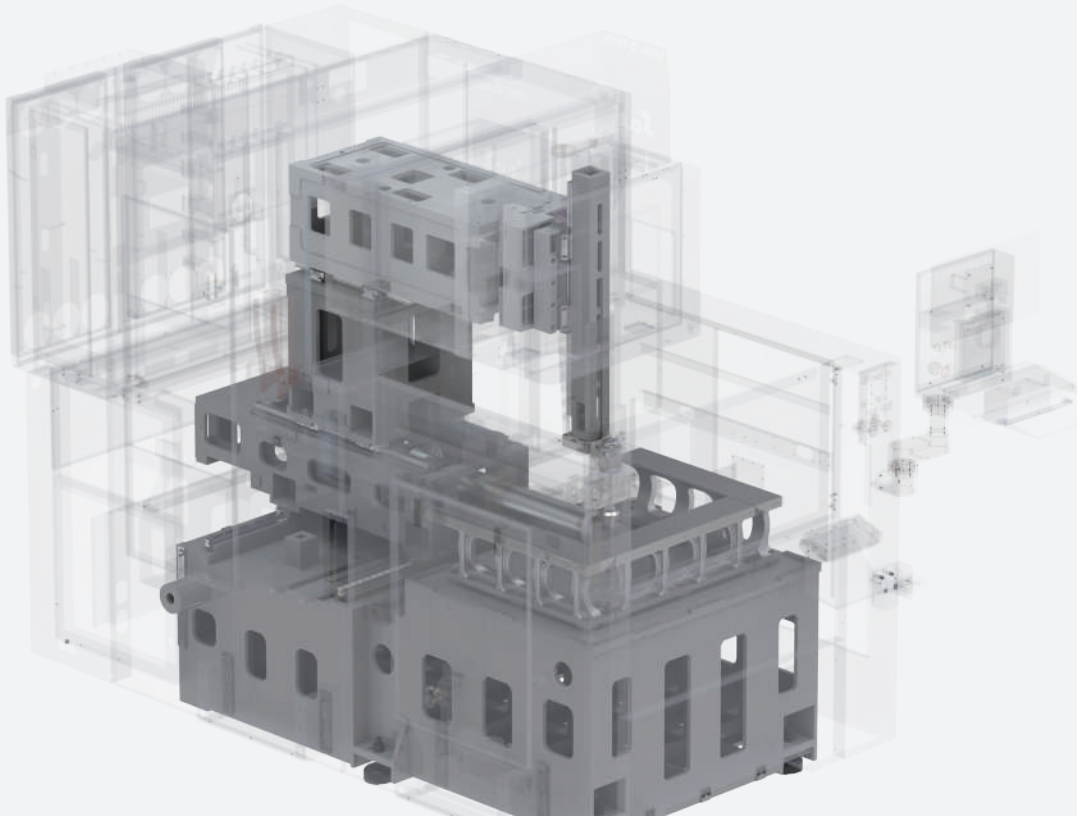
Heavy workpiece strong support structure

Available from 0.8 to 4.8 ton



## BASE TABLE

ITEM	UNIT	S43	S64	S85
X, Y, Z Travel	mm	400X300X250	600X400X350	800X500X350
U, V Travel	mm	100X100 ( $\pm 50$ )	150X150 ( $\pm 75$ )	150X150 ( $\pm 75$ )
Maximum workpiece dimensions	mm	700x500x240	900x600x340	1100x700x340
Common workpiece dimensions	mm	600x400x230	800x500x330	1000x600x330
Maximum workpiece weight	kg	400	1000	1500
Type				Submerged



S85H	S1060H	S1060	S1380	S1510
800X500X500	1000X600X500	1000X600X350	1300X800X350	1500X1000X350
150X150 (±75)	300X300 (±150)	100X100 (±50)	100X100 (±50)	100X100 (±50)
1100x700x490	1300x800x490	1300x800x340	1600x1000x340	1800x1200x340
1000x600x480	1200x700x480	F:1200x700x330 S:1200x700x120	F:1500x900x330 S:1500x900x120	F:1700x1100x330 S:1700x1100x120
2000	3000	2100	3500	4800
		Semi Submerged		

# SPM Smart cut<sup>+</sup> Scut<sup>+</sup> Series

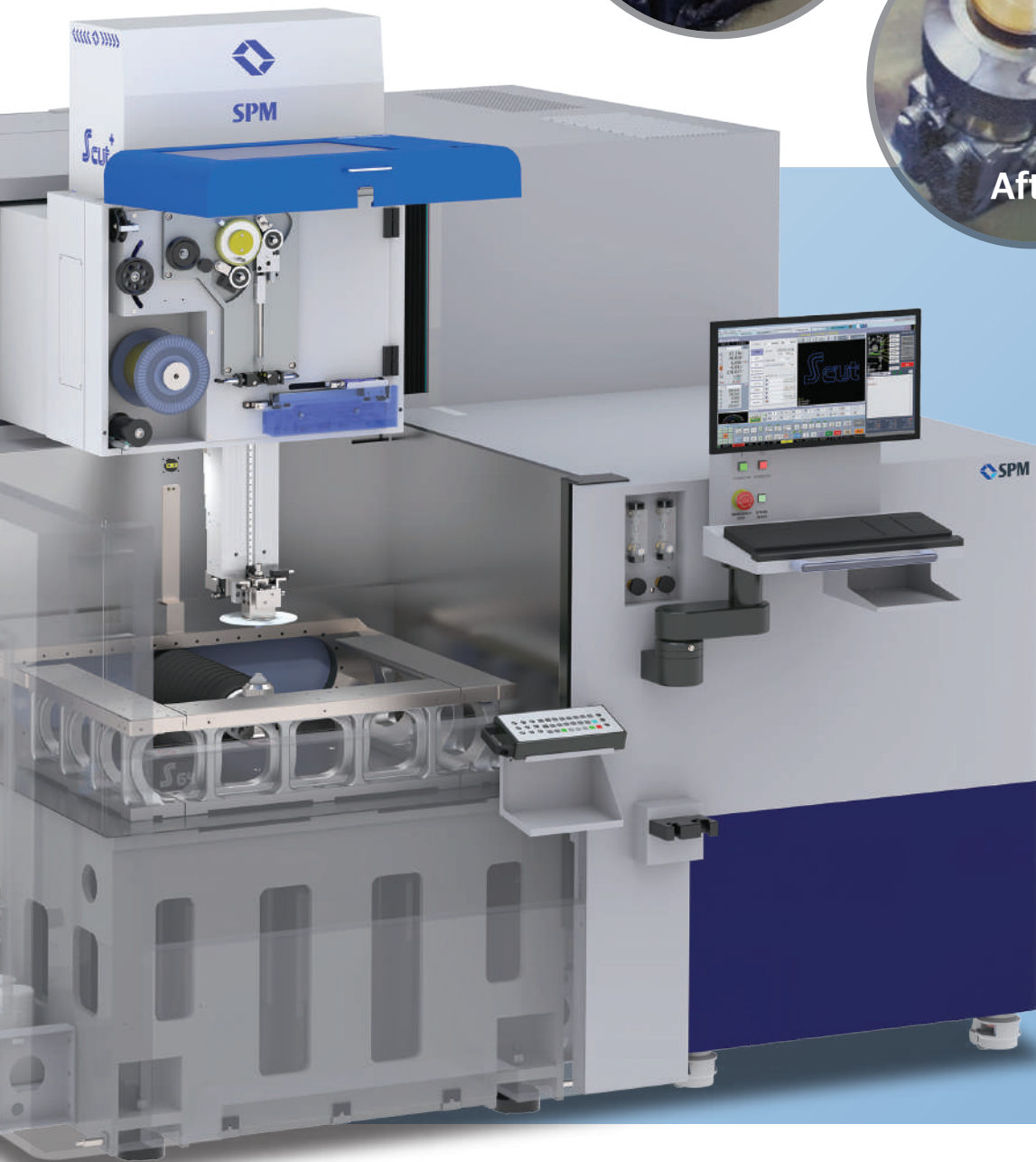
## Newer Scut<sup>+</sup> features

- Extending user convenience and practicality across all models
  - XYZ Axis Linear Scale Base Mounted
- S43 Applying a table-integrated square frame to fix the workpiece
  - S64 UV Stroke expanded 100 mm to 150 mm
  - Change the position of the hydraulic gauge
- Slimmerize the safety door department to increase its openness.
  - Backward movement of wire bobbins and designed with one cover
    - Reduce console and keyboard space
    - Change to LED for light work
- Change to round corner of equipment (main body, process fluid tank)
  - Improve and add processing conditions data
  - Addition of work tank contamination prevention function even for long-time processing(Easy to clean)





After 60 Hours  
of work

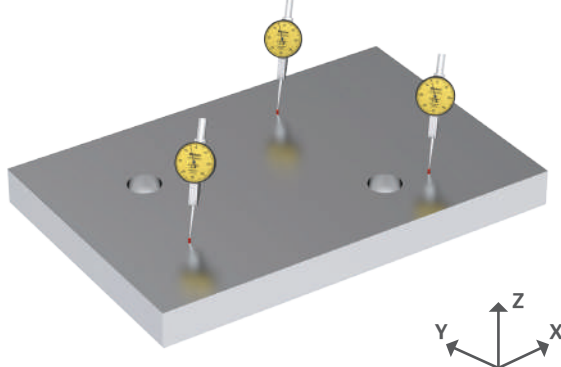


# WORKPIECE AUTOMATIC SETUP FUNCTION

Fast work is possible by convenient functions for setting the workpiece.  
 AR function [(the Side, Center, Vertical slope correction function)],  
 [Center positioning function (hole, both sides, 3 points)], [Automatic positioning function]

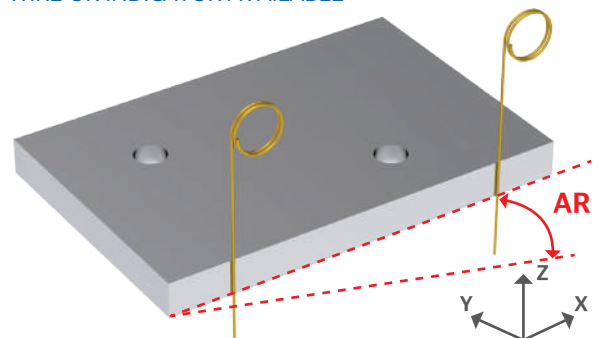


[FLAT SLOPE CORRECTION]

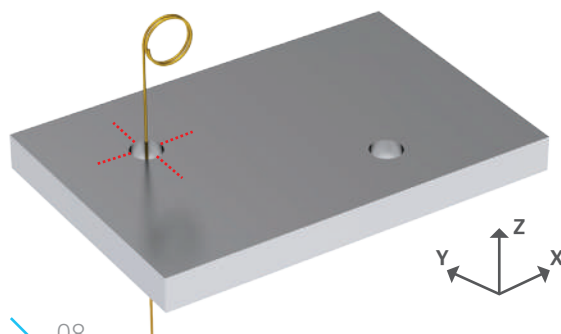


[THE SIDE, CENTER SLOPE POSITIONING]

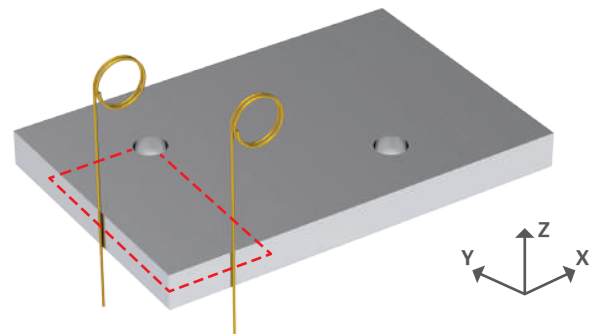
- WIRE OR INDICATOR AVAILABLE



[CENTER POSITIONING]



[AUTOMATIC POSITIONING]





# DEIONAIZED FLUID SUPPLY UNIT

SPM introduces the processing fluid tank by SPM technology.



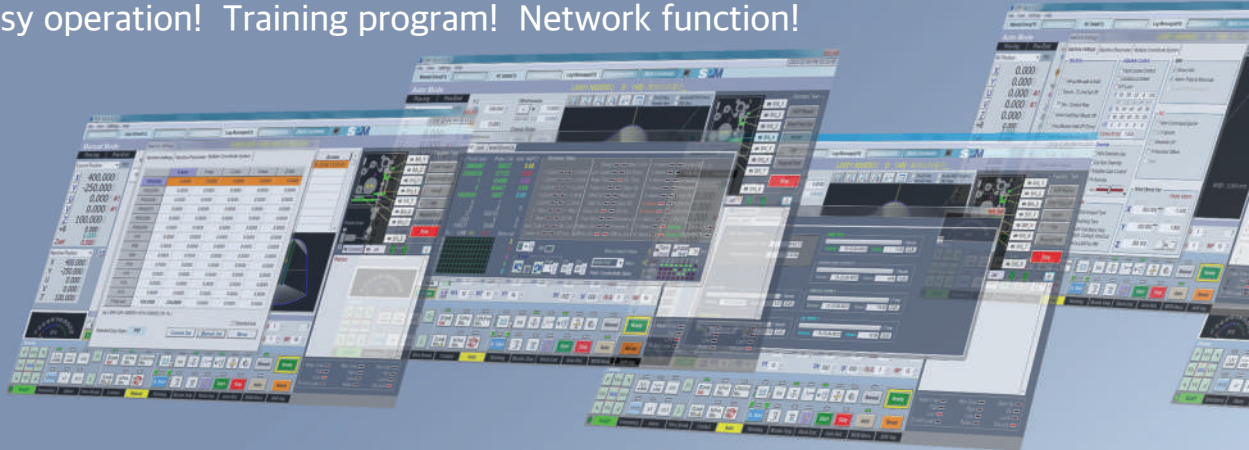
- ① Deionized fluid filtering and ion exchange device
- ② Ion exchange resin bottle
- ③ Circulation pump
- ④ Filter Cartridge

## Deionized fluid supply unit spec

ITEM / MODEL	S43	S64	S85	S85H	S1060H	S1060	S1380	S1510
Tank capacity	620ℓ	870ℓ	1200ℓ	1500ℓ	2150ℓ	1060ℓ	1410ℓ	1630ℓ
Filter (paper filter)	Fluid filter (300 x 500H) 4EA							
Filter particle	5μm							
Fluid conductivity control	(0.5 ~ 100) x 10,000 Ω - cm							
Resin bottle	15ℓ x 1EA				15ℓ x 2EA	15ℓ x 1EA		15ℓ x 2EA
Range (WDH)	All in one machine body	875x2655x1920	915x3065x1860	1065x3265x2010	1315x3765x1580	900x2680x1360	950x3280x1360	1000x3580x1360
Weight (Dry)	-	450kg	485kg	530kg	610kg	445kg	485kg	525kg

# SPM Easy Operation Tools

Easy operation! Training program! Network function!



## SMART Controller

### PC - based easy use

PC-based programs make it easy to use and manipulated through a familiar window screen. In addition, it is easy to manipulate and learn to reflect user's convenience as much as possible, so even beginners can work in a short time.

- PC –based control
- Windows 10 IOT
- Windows 7
- Manual / Auto mode
- Coordinates Window
- Graphic Window
- Remote Window
- Remote Controller
- Machine Status
- E-Pack Conditions Window(E-Pack)
- Multilingual Support

#### CONTROL UNIT SPEC (SMART Ver 3.0)

Input	USB Memory, Ethernet(10/100),MDI
Display	19"Color LCD/LED Monitor
Characters supported	Alphanumeric characters including many languages
Control system	Full closed Loop(B axis option)
Axis controlled	XYUV(B axis option)
Unit	mm / inch
Setting units	XYZUV Axis:0.0001mm
Min. drive unit	0.0001mm
Max. command values	±99999.9999mm
Positioning-command format	Combined use of increment/ absolute value
Interpolation function	Linear, circular and spiral
Scale magnification	0.001~9999.999
Adaptive feed control	Automatic selection of adaptive feed speed according to condition between electrode and workpiece
Path-trace control	Retrace of the path in reverse direction during short-circuit occurrence
Wire offset	±9999.9999 Offset numbers : 1~50(Intersection point calculation)
Graphic	XYUV(flat,3D), background drawing
Machining parameters recording	1~9999
Program number setting	1~9999
Subprogram nesting level	30
Manual feed speed	High speed, Medium speed, Low speed
Manual input positioning	Input on screen and positioning determine
Sequence number	0~9999
MDI(Manual Data Input)	Unlimited (Depending on memory)
Basic Screen MENU	3( automatic, manual, NC data)
Memory Capacity	60GB
Maintenance function	Management of consumables (Time display)
Battery Backup	About 1 week (System program can not be deleted)

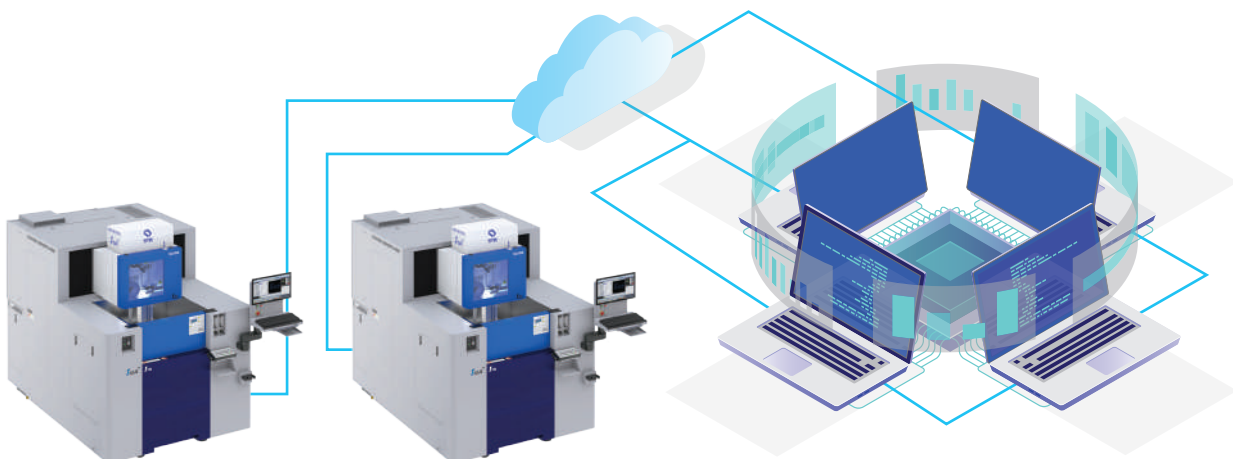


# NETWORK System

## Remote Control system

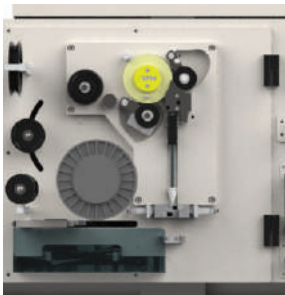
The remote management support program (Team Viewer) is embedded in the machine, so customer can remotely control the problem even when the distance is remote. In addition, the program of the main body can be shared with each other over the network, so customer can have a better collaboration environment.

- Remote maintenance support program
  - Online computer environment
- Support Mobile & Portable computers





# NEW GENERATOR SYSTEM



## AWF SYSTEM

Automatic wire feeding functions enables fully automatic driving.

- When underwater connection is made during processing, the level of processing fluid is automatically adjusted on the basis of 60mm of Z axis (at start position).
- Automatic threading at disconnection position (It is recommended to use 0.3 wire for workpiece thickness over 150mm.)

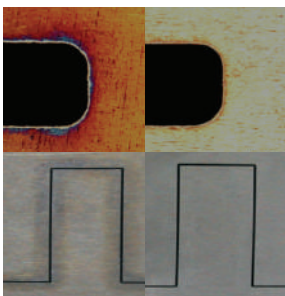
※ Wire diameter available for automatic threading  
STD 0.15mm ~ 0.3mm (0.1mm : Additional devices required)  
(Option : 0.1mm / S43, S64 ONLY)



## TAPER CUTTING

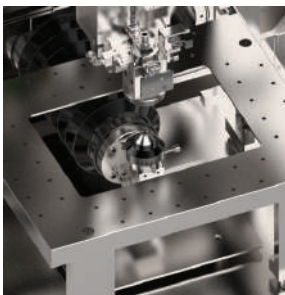
Two types of wire guides are available and can be used according to the taper angle and seamless operation at a large angle, provides a high degree of machining.

- Using a typical wire guide :  $0^\circ \sim 8^\circ$
  - Using a taper wire guide :  $8^\circ \sim 45^\circ$
- (However, the maximum machining angle varies depending on the UV axis travel distance.)



## SPM Ez Aqua +

It suppresses the generation of corrosion and rust by constructing a power supply circuit that prevents corrosion caused by electric ions generated during electric discharge machining. The hydroxide ions generated during the discharge prevent ionization of the cobalt component. There is no need for a grinding process for corrosion and rust removal after processing.



## SPM Setup 3D +

A function that helps the wire to be vertical to the workpiece plane by measuring three points with the indicator on the workpiece plane and this eliminates the need for physical corrections to match the workpiece plan, thus shortening the set-up time.

(In the case of large flat workpieces, it is not recommended due to self-weight deformation.)



# 08

## FEATURES

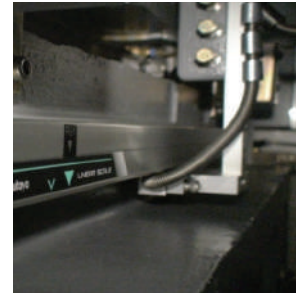
### RUST PREVENTION

During long hours of work  
rust generated in a workpiece  
Minimize.



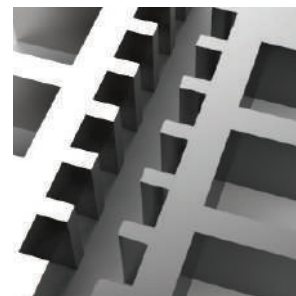
### LINEAR SCALE

Linear glass scale fully closed loop control  
maintains stable pitch accuracy for long  
periods of time  
- XYZ axis standard  
- UV axis option  
- S1060H : XYUVZ axis standard



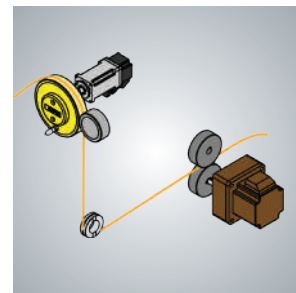
### SPM Ez Sharp +

By analyzing the corners of the workpiece,  
the machining conditions, machining speed,  
etc. are actively controlled so that the best  
shape is obtained.  
- Corner processing conditions can be  
edited by the user.  
- High speed corner control function is  
available.



### SPM Ez Tension +

The tension of the wire is controlled by  
the SERVO MOTOR and the BLDC MOTOR,  
minimizes not only the change of tensile  
force but also the occurrence of line on  
the machined surface.  
(Controls wire tension regardless of  
wire feed speed.)





# SPM Technology



SPM  
Rotary Index

Helical

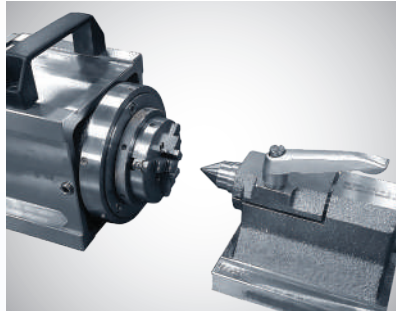






### LINEAR SCALE (0.0001 Resolution)

SPM's linear encoder system maintains long-term stable pitch accuracy with full closed loop control. The XYZ axis is the standard mount and the UV axis is optional. (Some models have different specifications.)



### Rotary Index (B axis option)

Various work applications can be applied by using rotary axis  
(Medical equipment, semiconductor production equipment, machine parts, etc.)

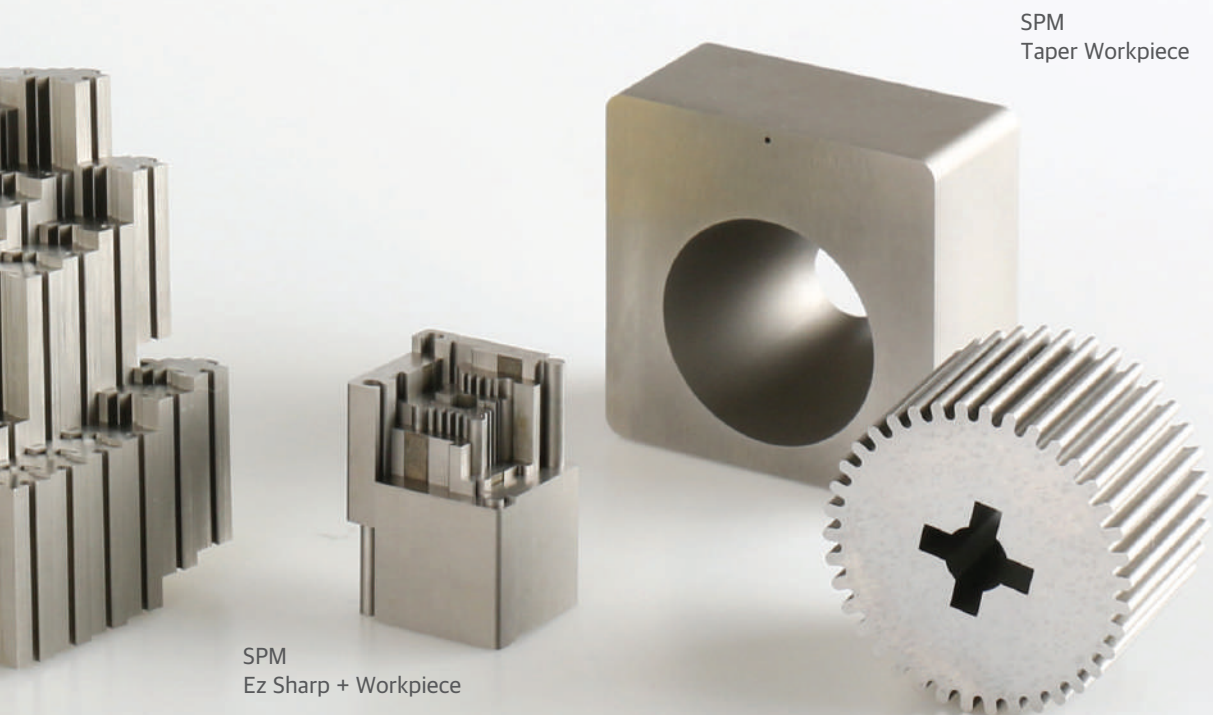
- Minimum resolution angle: 0.0003°
- Shape machining with simultaneous 5 - axis control : XYUVB
- Easy to install, remove and to set workpiece.



### Optimization for machining of PCD & New Material parts

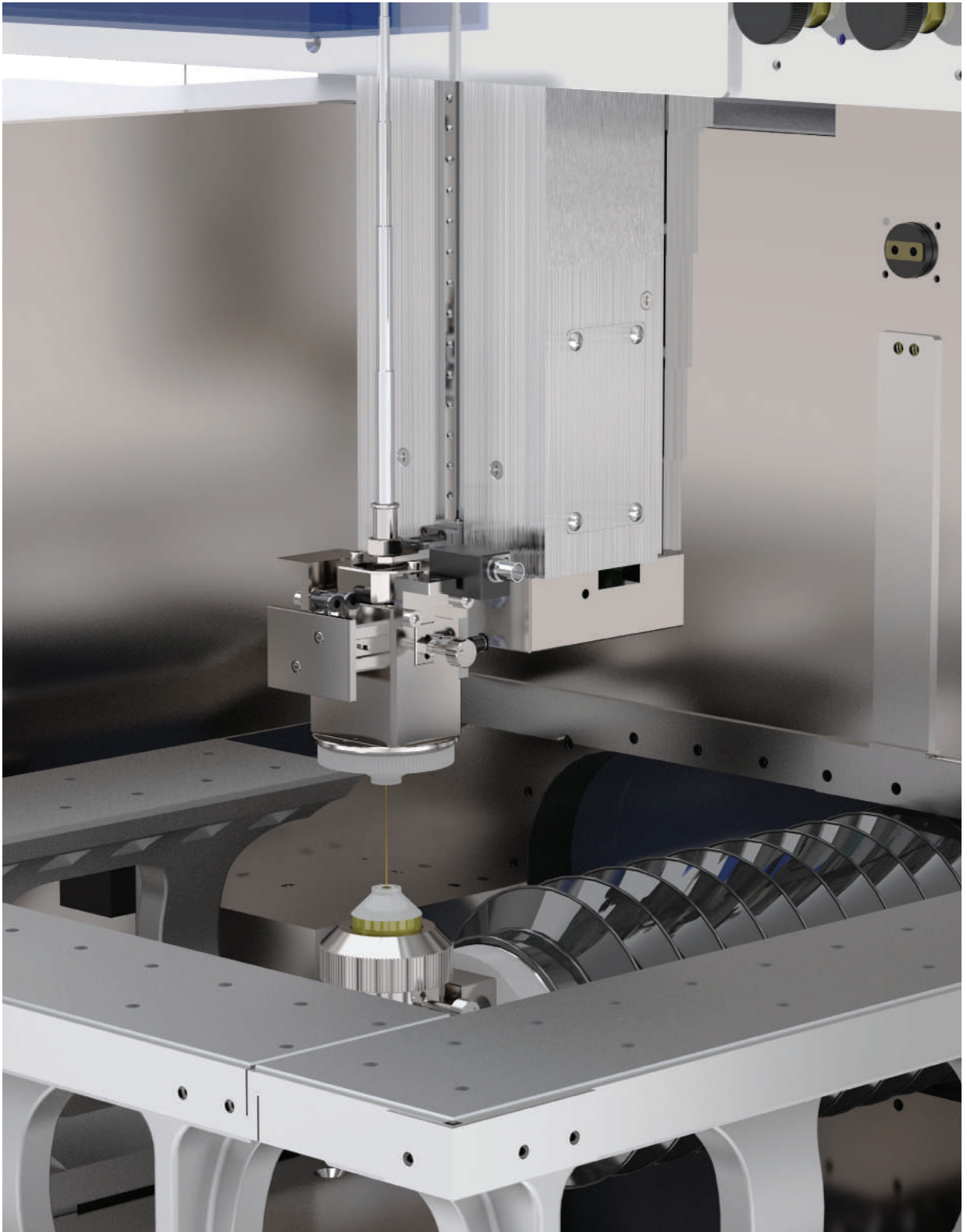
For machining with several type of alloy PCD(Polycrystalline Diamond), CBN(Cubic Boron Nitride) , Optimum discharge detect and increase practicality of high speed & accuracy.

Also, available to optimization by new material ,development recent.



SPM  
Ez Sharp + Workpiece

SPM  
Taper Workpiece





# SPM SMART Cut+ Series

Wire-cut electric discharge machine, it is a machine tool that processes metal parts in a non-contact state by high-voltage discharge action compared to conventional machine tools are contact-type machining devices using bite and tools.

The wire-cut electric discharge machine can be applied to all electric parts such as tungsten carbide, quenching heat treated steel and stainless steel which can not be machined by general cutting machine regardless of hardness, and mold process is simplified. It is easy to work with a numerical control system because it can process with a small machining force, it does not inflict strain on the machine, it can perform high precision machining and complicated machining is numerical control system and adjusts the gap of die and punch by arbitrary dimension, there are advantages that can be processed randomly similar.

SPM Smart Cut Wire EDM machine is easy to access and provides a user-friendly system so that machining can be performed only by turning ON / OFF the selection button on the window type screen.

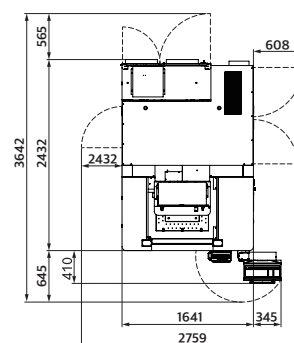


# Scut<sup>+</sup> MODEL

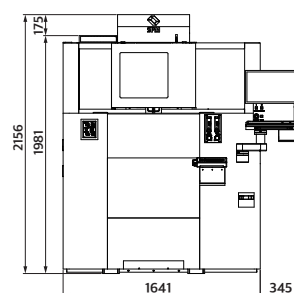
## S43



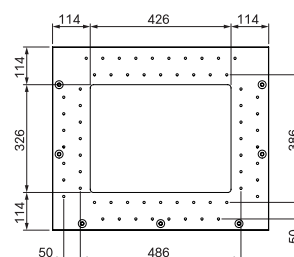
[ Layout ]



[ Front View ]



[ Workpiece Table ]



Work tank dimensions	856(door:768) X 783 mm	Maximum taper angle	±24/100mm Degrees/t
Maximum workpiece dimensions	700 X 500 X 240 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	600 X 400 X 230 mm	Wire diameter	0.15 ~ 0.3 mm (0.1 option)
Maximum workpiece weight	400 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	654 X 554 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	1000 mm	Machine dimension (WLH)	1641 X 3077 X 1981 mm
X, Y, Z travel	400 X 300 X 250 mm	Machine unit weight	2570 kg
U, V travel	100 X 100 (± 50) mm	Standard layout	2759 X 3642 X 2156 mm

[X,Y Linear motor](#) / [X,Y,Z Linear scale standard \(U,V option\)](#) / [All-In-One Machine body with the Fluid unit](#)

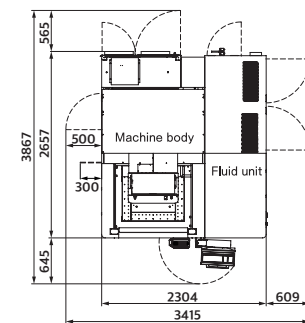
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# Scut<sup>+</sup> MODEL

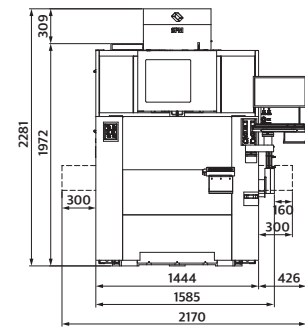
## S64



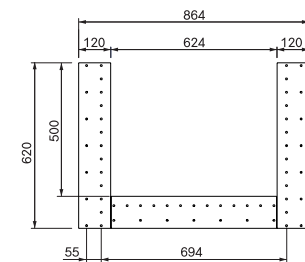
[ Layout ]



[ Front View ]



[ Workpiece Table ]



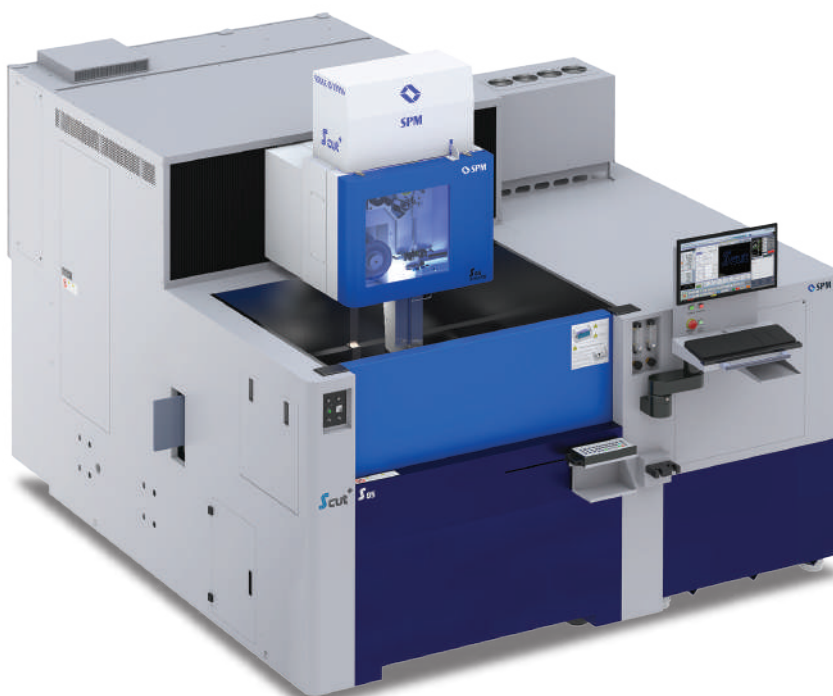
Work tank dimensions	1056(door:968) X 910 mm	Maximum taper angle	±32/100mm Degrees/t
Maximum workpiece dimensions	900 X 600 X 340 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	800 X 500 X 330 mm	Wire diameter	0.15 ~ 0.3 mm (0.1 option)
Maximum workpiece weight	1000 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	864 X 620 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	900 mm	Machine dimension (WLH)	1585 X 3302 X 1972 mm
X, Y, Z travel	600 X 400 X 350 mm	Machine unit weight	3300 kg
U, V travel	150 X 150 (± 75) mm	Standard layout	3415 X 3867 X 2281 mm

X,Y Linear motor/ X,Y, Z Linear scale standard (U,V option) / Option : Outer mounted bobbin

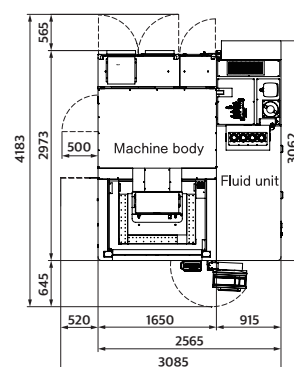
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# Scut<sup>+</sup> MODEL

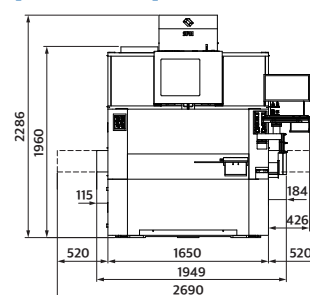
## S85



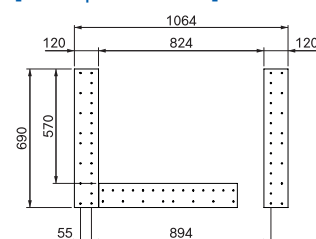
[ Layout ]



[ Front View ]



[ Workpiece Table ]



Work tank dimensions	1336(door:1248) X 1002 mm	Maximum taper angle	±32/100mm Degrees/t
Maximum workpiece dimensions	1100 X 700 X 340 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	1000 X 600 X 330 mm	Wire diameter	0.15 ~ 0.3 mm
Maximum workpiece weight	1500 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	1064 X 690 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	900 mm	Machine dimension (WLH)	1949 X 3618 X 1960 mm
X, Y, Z travel	800 X 500 X 350 mm	Machine unit weight	4500 kg
U, V travel	150 X 150 (± 75) mm	Standard layout	3085 X 4183 X 2286 mm

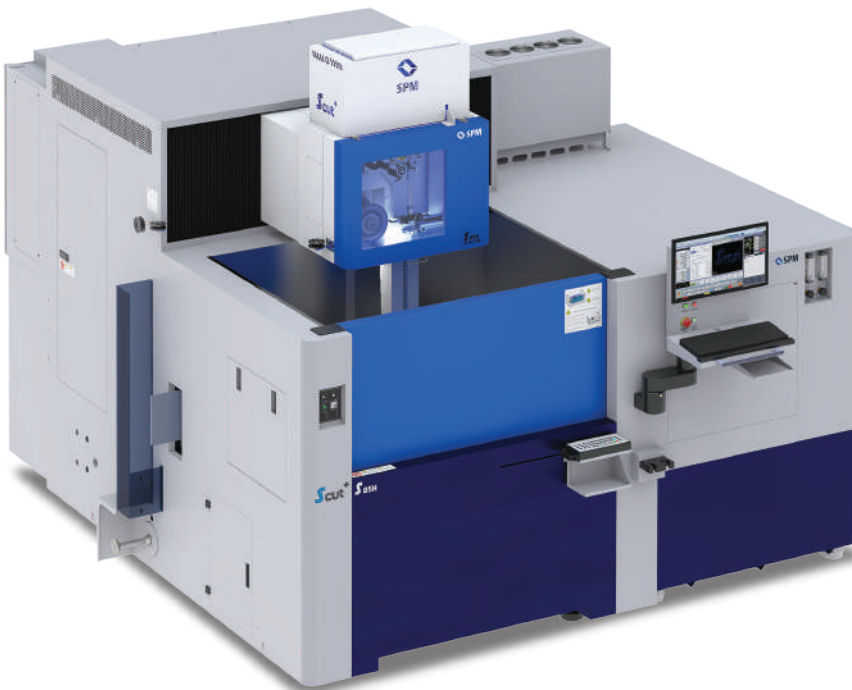
X,Y,Z Linear scale standard (U,V option) / Option : Outer mounted bobbin

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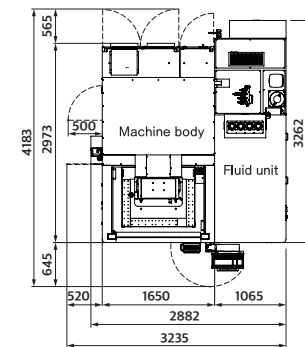


# Scut<sup>+</sup> MODEL

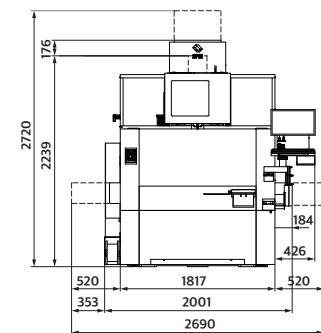
## S85H



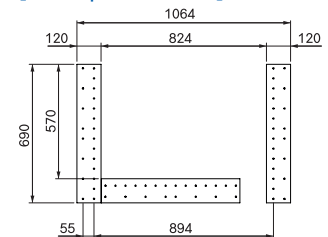
[ Layout ]



[ Front View ]



[ Workpiece Table ]



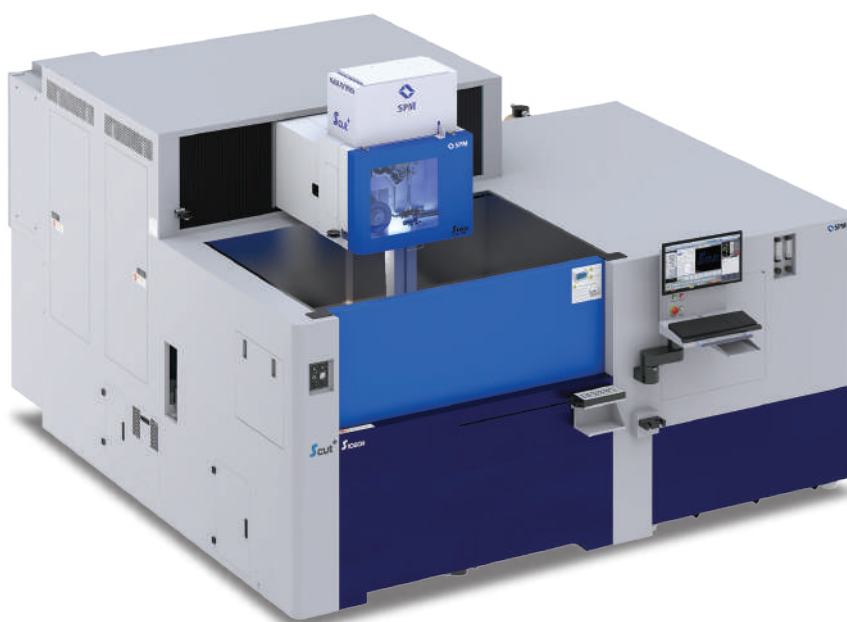
Work tank dimensions	1336(door:1248) X 1002 mm	Maximum taper angle	±32/100mm Degrees/t
Maximum workpiece dimensions	1100 X 700 X 490 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	1000 X 600 X 480 mm	Wire diameter	0.15 ~ 0.3 mm
Maximum workpiece weight	2000 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	1064 X 690 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	900 mm	Machine dimension (WLH)	2001 X 3618 X 2239 mm
X, Y, Z travel	800 X 500 X 500 mm	Machine unit weight	4500 kg
U, V travel	150 X 150 (± 75) mm	Standard layout	3235 X 4183 X 2720 mm

X,Y,Z Linear scale standard (U,V option) / 20kg bobbin standard

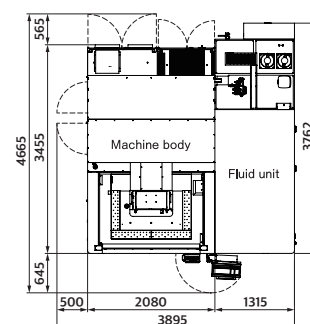
※ The above data is subject to change without prior notice

# Scut<sup>+</sup> MODEL

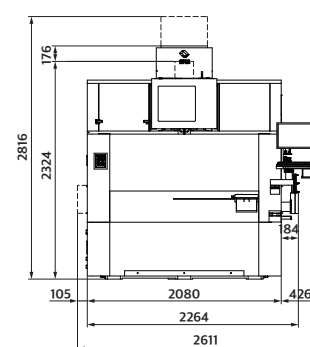
## S1060H



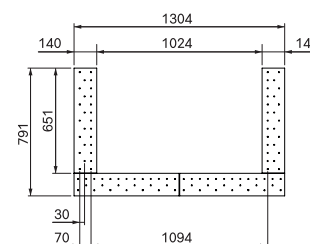
[ Layout ]



[ Front View ]



[ Workpiece Table ]



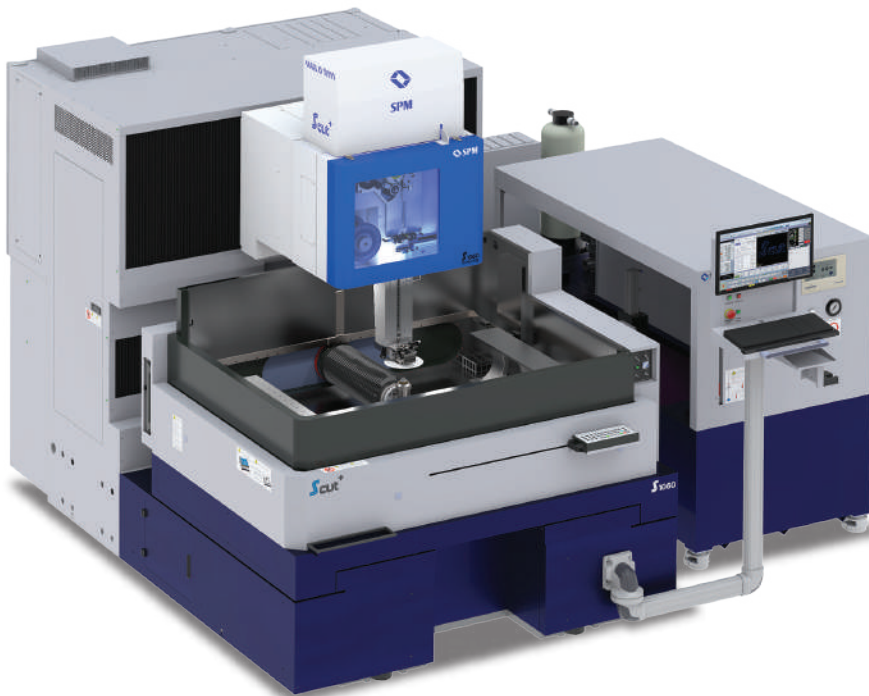
Work tank dimensions	1686(door:1598) X 1200 mm	Maximum taper angle	±20/400mm Degrees/t
Maximum workpiece dimensions	1300 X 800 X 490 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	1200 X 700 X 480 mm	Wire diameter	0.15 ~ 0.3 mm
Maximum workpiece weight	3000 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	1304 X 791 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	990 mm	Machine dimension (WLH)	2264 X 4100 X 2324 mm
X, Y, Z travel	1000 X 600 X 500 mm	Machine unit weight	7000 kg
U, V travel	300 X 300 (± 150) mm	Standard layout	3985 X 4665 X 2816 mm

X,Y,U,V,Z Linear scale standard / 20 kg bobbin standard

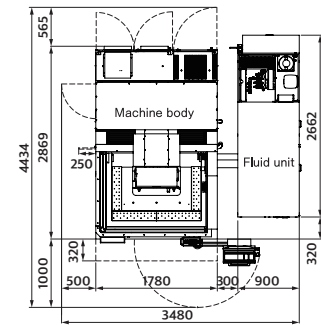
※ The above data is subject to change without prior notice

# Scut<sup>+</sup> MODEL

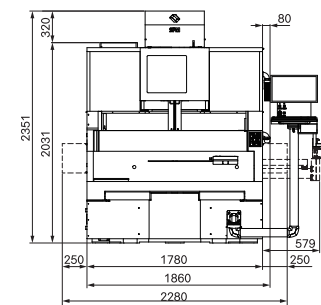
## S1060



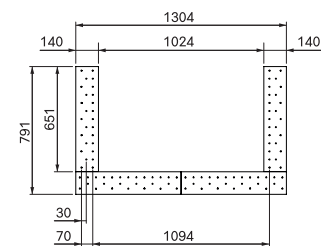
[ Layout ]



[ Front View ]



[ Workpiece Table ]



Work tank dimensions	1524 X 1139 mm	Maximum taper angle	±24/100mm Degrees/t
Maximum workpiece dimensions	1300 X 800 X 340 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	F:1200 X 700 X 330 mm S:1200 X 700 X 120 mm	Wire diameter	0.15 ~ 0.3 mm
Maximum workpiece weight	2100 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	1304 X 791 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	980 mm	Machine dimension (WLH)	1860 X 3869 X 2031 mm
X, Y, Z travel	1000 X 600 X 350 mm	Machine unit weight	6100 kg
U, V travel	100 X 100 (± 50) mm	Standard layout	3480 X 4434 X 2351 mm

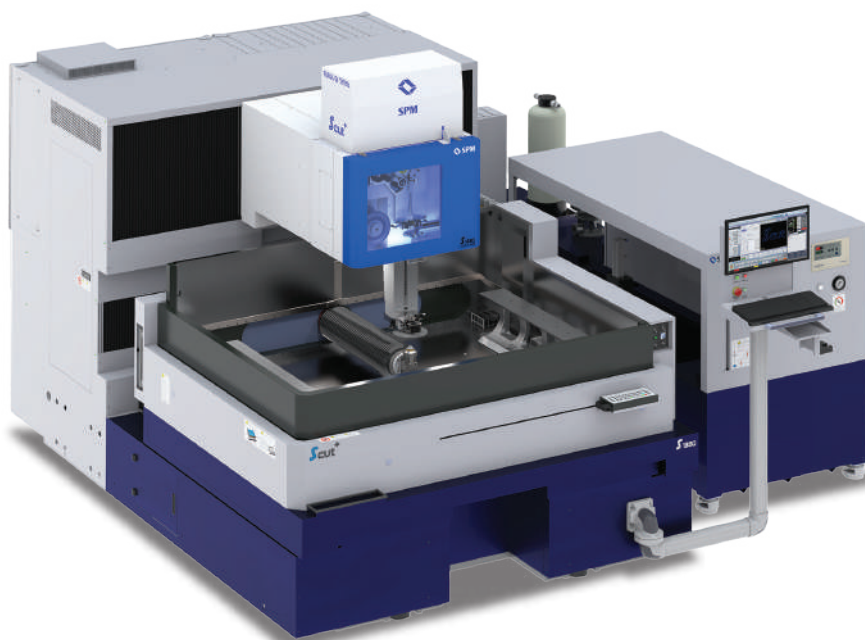
X,Y,Z Linear scale standard (U,V option) / Option : Outer mounted bobbin

※ The above data is subject to change without prior notice

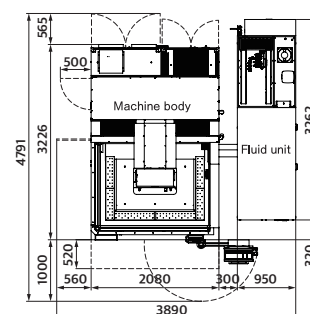


# Scut<sup>+</sup> MODEL

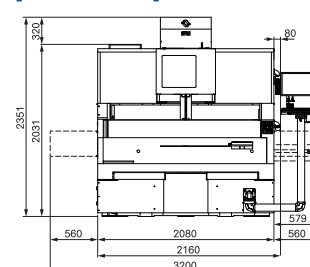
## S1380



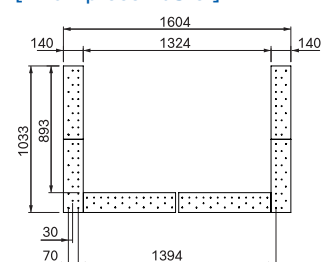
[ Layout ]



[ Front View ]



[ Workpiece Table ]



Work tank dimensions	1824 X 1394 mm	Maximum taper angle	±24/100mm Degrees/t
Maximum workpiece dimensions	1600 X 1000 X 340 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	F:1500 X 900 X 330 mm S:1500 X 900 X 120 mm	Wire diameter	0.15 ~ 0.3 mm
Maximum workpiece weight	3500 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	1604 X 1033 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	980 mm	Machine dimension (WLH)	2160 X 4226 X 2031 mm
X, Y, Z travel	1300 X 800 X 350 mm	Machine unit weight	7600 kg
U, V travel	100 X 100 (± 50) mm	Standard layout	3890 X 4791 X 2351 mm

X,Y Linear scale standard (U,V,Z option) /Option : Outer mounted bobbin

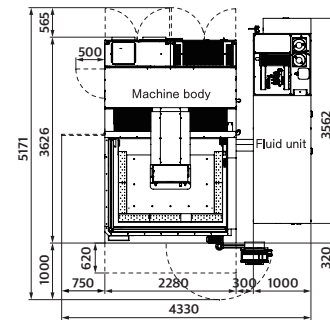
※ The above data is subject to change without prior notice

# Scut<sup>+</sup> MODEL

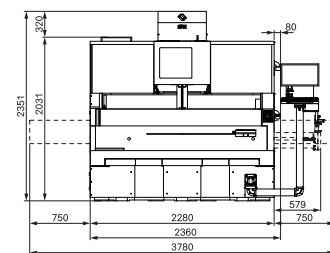
## S1510



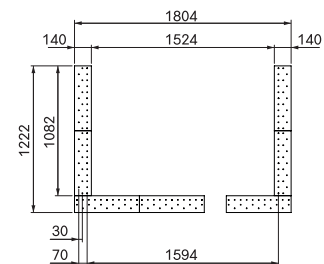
[ Layout ]



[ Front View ]



[ Workpiece Table ]



Work tank dimensions	2024 X 1594 mm	Maximum taper angle	±24/100mm Degrees/t
Maximum workpiece dimensions	1800 X 1200 X 340 mm	Table rapid feed speed	1300 mm
Common workpiece dimensions	F:1700 X 1100 X 330 mm S:1700 X 1100 X 120 mm	Wire diameter	0.15 ~ 0.3 mm
Maximum workpiece weight	4800 kg	Wire feed speed	0 ~ 15 m/min
Table dimension	1804 X 1222 mm	Wire tension	0.5 ~ 28 N
Table height (from floor)	980 mm	Machine dimension (WLH)	2360 X 4626 X 2031 mm
X, Y, Z travel	1500 X 1000 X 350 mm	Machine unit weight	9000 kg
U, V travel	100 X 100 (± 50) mm	Standard layout	4330 X 5171 X 2351 mm

X,Y Linear scale standard (U,V,Z option) /Option : Outer mounted bobbin

※ The above data is subject to change without prior notice

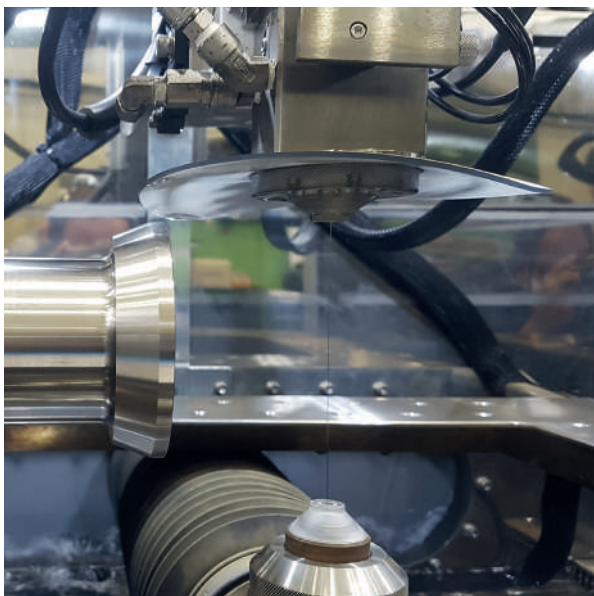
## Anti-rust technology of workpiece

With the technology of SPM, we can minimize rust on the workpiece while working for a long time.  
Experience the technical skills that do not produce green hair even after 60 hours of continuous processing.  
(based on S45C)



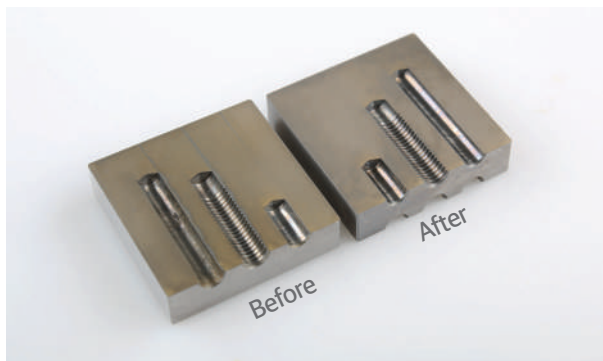
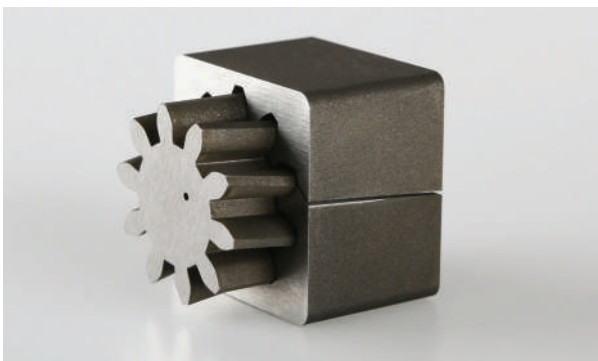
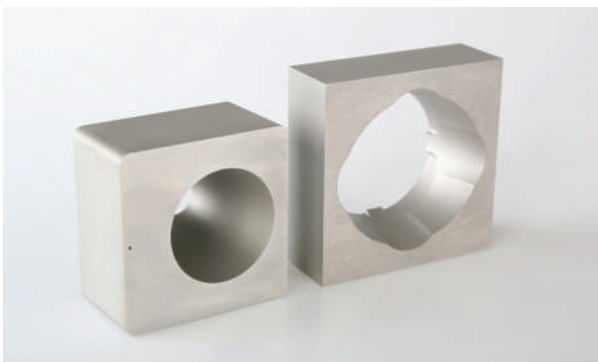
## Application processing using B axis

You can do various tasks using the B axis(Rotary Index).





## WORKPIECES



# SPM

## OVERSEAS NETWORK



Global Service Support Network

**SPM CO.,LTD.**  
CNC Wire cut EDM

**HEAD OFFICE & FACTORY** | (Seonggok-dong) 10 Emtibeui 20-ro,  
Danwon-gu, Ansan-si, Gyeonggi-do, Republic of Korea

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