



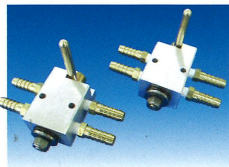
SHINKOKIKI

Products Guide

**The products are manufactured in a wide ranged variety
from the necessity of the working site.**

Water cut

When tip changing, cooling water is shut out completely.



●Mini

For automatic apparatus of robot, multiple etc., workers can change it by manual operation.

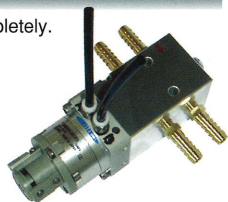
●Custom

For stationary spot, 2 ways of up and down are available. The stop position of cooling water is fixed in front of worker who can operate it speedy.



●Auto (Automatic)

This is for the apparatus to shut out cooling water by automatic operation. It is not necessary to approach in a robotic gun to stop a cooling water. Ensure worker's safety operation.



Water ring

It is very useful for improvement of cooling in the near position of heating place at the time of welding.

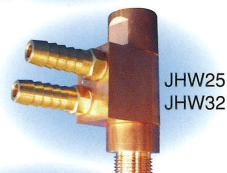
●For standard holder

As the outer diameter of conventional water cooling jacket is a larger size and a handling of worker is not smooth. We have succeeded to make it in compact size.



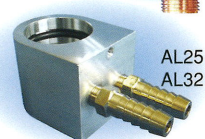
●For PC tester electricity cooling

For a nut welding and a bolt welding, we have succeeded to make it in compact, automatic and big cost down.

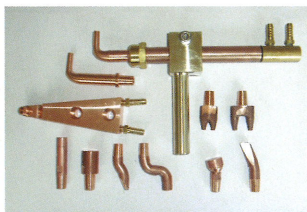


●For easy holder

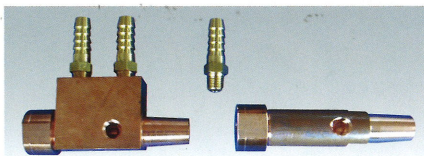
Made of aluminum alloy and light weight. Higher heat conductivity and possible to attach in near place of heat generating position.



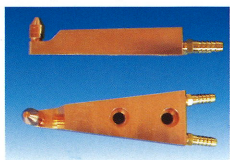
Holder



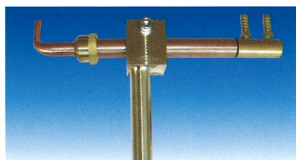
●Triangular holder/BS insert holder
We will supply special order type upon your request



●Saiper square holder/Saiper round holder
Bolt welding will cause high heat ascension. It is specially necessary to cooling method in the near place of a welding place. Air blow cooling will help to take away a welding splash together. This is effective for less defected product.



●Triangular holder

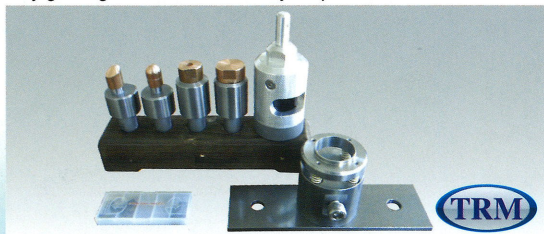


●BS Insert holder

Dresser

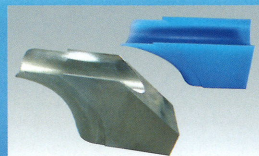
●Dresser with drilling machine

This is specially designed for easy dressing of a disposed eccentricity shaped cap tip for reuse. The cost of relevant apparatus is very reasonable. You may realize cost down and may get large trustworthiness on your products.



●Wiper

The part is used to take wrinkle off when pipe bending processing. Materials are Aluminum bronze alloy, Be copper alloy, POM etc.



●Chill-vent

The mold part for aluminum die casting. Generally, steel material is used, but this chill-vent made of BeCu alloy is higher production efficiency.



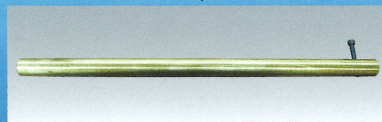
●Seam Disk

We will manufacture from small diameter to large diameter (dia 30~600mm) of disk for seam welding.

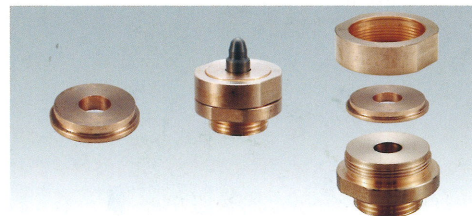


●YOJINBO (Weld centering pole)

One of problems in a spot welding is not maintained a centering position of a pole from top to bottom. Therefore, shape of a tip is made with irregularly and welding defect is occurred. To solve this problem, a centering tool "YOJINBO" is developed. Please use "Chirless holder" for a protection of BS horn.



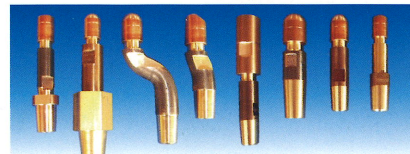
Washer electrode



This Lower Electrode specially designed to change a working face only instead of a whole part of electrode. You may save substantial cost when you need to change a electrode just for a adjustment of height.

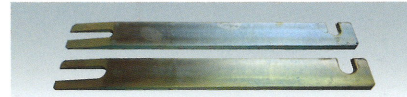
Shank

Use to joint with straight holder (or with threaded adapter) and a cap tip. Made of BeA25 alloy having high hardness and tensile. Strong against deformation and has longer life.



●Tori no me

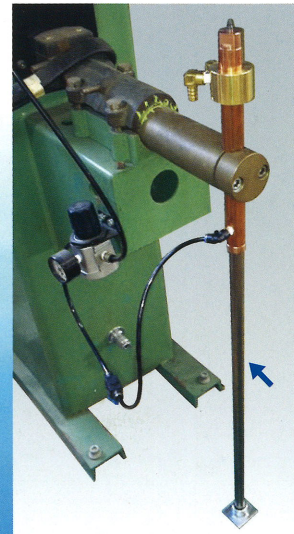
Cap tip remover by manual



●Static water shank (Self lock water shank)



●Chirless holder



Guide pin



■KCF

Made of ferrite stainless steel and higher anti-shock guide pin. Low cost and short lead time.

■Ceramic

Saiminusu (SiN₄). Higher durability in attrition, lower spatter adhering. We will guarantee for efficiency more than the price.



●Saiper (Saiminusu pipe)
Electrode for a bolt (pin) welding and to use prevention of separating flow of a bolt.



●Robosai (Saiminusu with threads for Robotic gun)
This is used for a cylinder operation instead of a moving guide pin for up and down by air.

Cap tip recycle apparatus "Cappy"

This is regrounding apparatus for a used cap tip.

- It is designed to be operated by one machine for feeding, dressing, measurement of length and selection by automatic operation.

Function	Cap tips automatic feeding system dressing measurement of length Selection withdrawal (4 steps)
Supply ability	Insertion and pulling off of a cap tips Insertion: shank method Pulling off: by a lever action of moving pawl and fixing pawl
Regulation	Power supply voltage AC200~220 (V) 50/60 (Hz) Control voltage DC24V Usage fluid Compressed air (0.4~1.0MPa)
Ability	Treatment ability 240pcs/hour (15sec/pc) Measurement ability 0.2mm
Color	Standard light blue 76-80H
Outside size	1,481 (W) × 750 (D) × 1,662 (H) mm
Weight	500 kg
Acceptable temperature	0~40 °C but, not freezing or not forming dew
Option	Point detection



Mecha (Mechanic) Apparatus

**Brilliant advanced peripheral equipment.
Contributed for the labor-saving of welding working site and improvement of quality control.**

■Parts Feeder

Power supply	AC 100V
Air pressure	Input pressure: 0.4~1 MPa
Ball diameter	Standard φ 230 & φ 290
Nut contained	500~2,000pcs
Standard nut	Square 4 nails nut
Nut size	M4~M12 Other size is special size for order
Weight	33.5 kg

■Supply Head

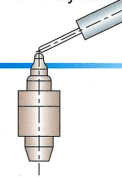
Cylinder	Standard	φ 20 × 150 mm
Stroke	Special	φ 20 × 200 mm
Supply ability		30~70 pcs/Min
Feeder hose		standard 2m



Nut Automatic supply apparatus "STAR"

The supply apparatus for both system of air feeding system and skewer system for supply of non-magnetic nut (stainless steel or aluminum etc.).

Supply method
Skewer system



Water stoppage apparatus "Water Cut"

This is possible for stoppage of a cooling water without interception of a circulation.



Protection apparatus for a uncompleted material throwing "Auto Shutter" (Automatic Shutter)

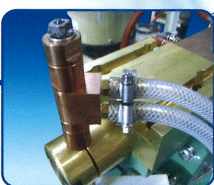
This is apparatus for a protection of intermixing of uncompleted nut of not reached hitting point to completed contain box.

- Low cost !! (Succeeded for standardization and mass-production.)
- Applicable for Container TP-331, 332

Outside size	Main body	408 (W) × 410 (D) × 750 (support pole, 1,130) mm (H)
	Container	335 (W) × 335 (D) × 100, 200 (H) mm

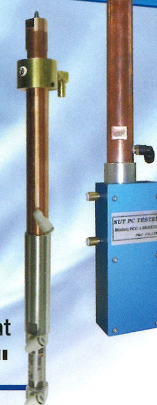
"Water ring" (For tester)

This equipment will be used for combination of our nut setting inferior detection apparatus. As the outer diameter of conventional water jacket will become larger size, we have succeeded to make them in compact size with all-in-one-type with a joint holder.



Air gushing apparatus with timer function "Hurricane"

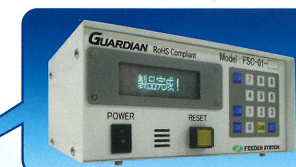
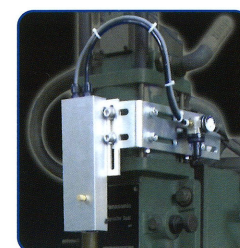
Up and down guide pin equipment "Pin no suke"



Nut double pile detection apparatus "Mr. X003"

This apparatus is for detection of existence or none existence of a nut (bolt) and a nut double pile.

- This apparatus is easily installed. The detection portion is designed for non-contacting method and no problem of wear and tear.



Multi Function Counter "Guardian"

- Spot welding of production, production numbers, box numbers, moreover, at the same time, can be controlled by this one set of apparatus, for tip changing numbers, destructive test numbers.
- Possible with combination with a protection apparatus for a missing nut, Auto (Automatic) shutter.
- Easy visible Jiko-shiki (Shining herself without light) and in Kanji indication (in English also available upon request)

Power supply	AC 85~264 V
Outside size	210 (W) × 95 (D) × 180 (H) mm
Weight	2.1 kg

"Spot welding counter"



Nut & bolt setting inferior detection apparatus "PC nut & bolt tester"

This apparatus is for purpose of a protection of a welding inferior due to wrong setting of nut or bolt.

- By measuring of up and down length of a guide pin, immediately cut off the current for welding, if guide pin position is not set at right line level.

■Tester

Outside size	81 (W) × 53 (D) × 160 (H) mm
Weight	3.8 kg

■Controller box

Power supply	AC 100~264 V
Outside size	80 (W) × 170 (D) × 210 (H) mm
Weight	1.5 kg



"Nut Runner" "Bolt Runner"

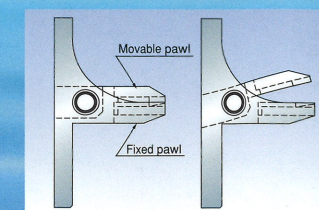
Cap tip automatic changer apparatus ATC "PC tip changer"

This is automatic changer apparatus of cap tip in Robotic guns.

- By inserting a fixed pawl and a movable pawl between a shank and a cap tip, a cap tip is pushed down as a lever action and is taken off.
- The core divergence of welding gun and teaching after divergence will be absorbed by swing movement and realized stable changing movement.

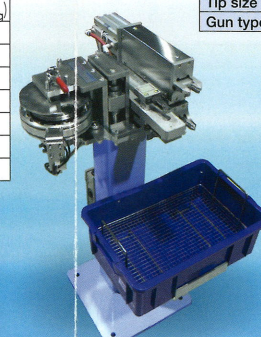
Changer unit	Usage fluid Compressed air Pawl's opening strength 1,000kgf (at the 0.4MPa) Pawl's max opening width 9.6mm Two dimension's swing mechanism Standard loading (x, y axis is 2mm floating) Set irregular sensor Standard loading
Magazine unit	3rd dimension's swing mechanism 16 pieces Sensor for non tips check Standard loading (x, y axis is 2mm, z axis is 8mm floating)
Tip installation recognition sensor	Standard loading
Installation basement	Standard loading
Tip retrieve water tank	Standard loading
Weight	33 kg
Outside size	395 (W) 564.5 (D) × 820~982 (H)
Control power source	DC24V

*Please note that outside size will be changed according to the model.

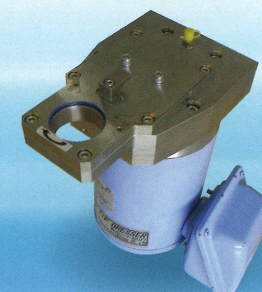


Cap Tip Recycle Dresser Equipment "PC Tip Dresser"

Model	T-7G	T-7F	T-7G (Stand type)
Power supply	AC200V / 220V (50 / 60Hz)		
Power output	0.75 kW 4P		
RPM	460 / 560 r.p.m		
Dressing time	0.3~1.0 Second		
Dressing range	1078~1470 N / 110~150 kgf		
Tip size	φ13 or φ16 Cap tip (Special shape also possible)		
Gun type	C gun / X gun / Straight gun (Servo, Air gun)		



PC tip changer
Upper and lower simultaneous
exchange type



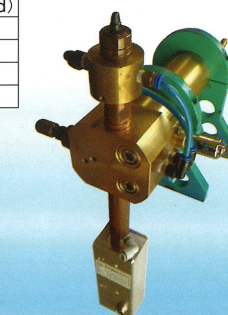
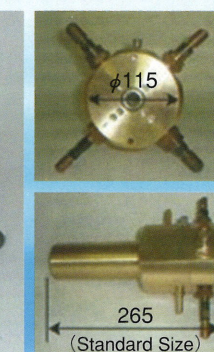
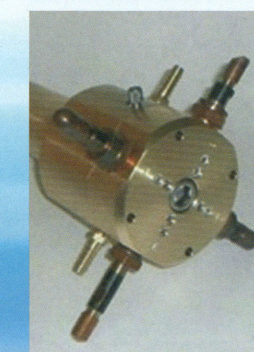
PC Tip Dresser
T-7G with gun R/B type

N Kind Change Electrode "Multi-Spot"

This is apparatus to distinguish plural welding condition.

- Rotating Electrode "Multi-Spot" will be suitable for from small lots to various kinds of welding line without any restriction.

Main Body Dimension	Overall Length (Depth) 265 mm (Standard) Diameter φ115 mm
Attachment Number	4 (Maximum)
Maximum Pressure	1000 kg
Cooling Method	Cooling Water

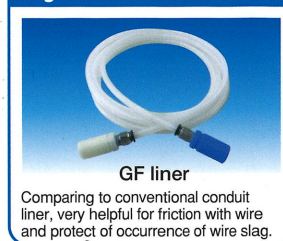


Example use together
with PC nut & bolt tester

Electrode for Arc

For your selection, we are pleased to introduce our **specialized arc welding technical related products!**

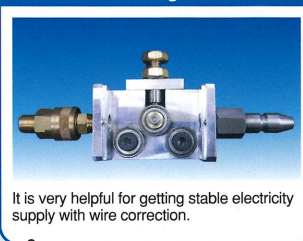
High Lubricant Resin Liner



Conduit cleaner



Wire straightener



Gas flow rate control equipment



Nozzle cleaner



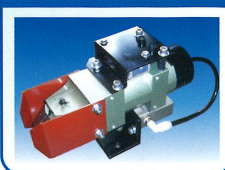
Wire cutter



Spatter adhering protection liquid



Robot wire cutter



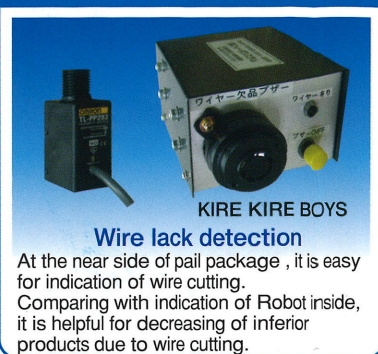
Wire cleaner



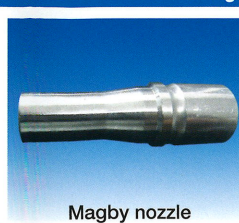
Wire guide hardware



Wire lack indication machine



Coating nozzle

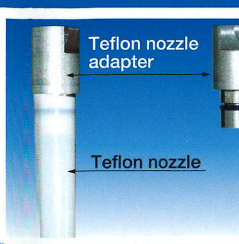


• Special surface treatment for easy maintenance.

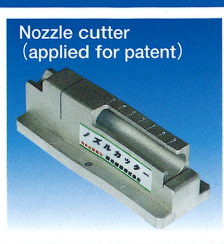
Non coating nozzle



Resin nozzle and nozzle cutter



Usage method and characteristic
• Applied welding method : CO₂, MAG welding
• Applied method : we have developed Teflon pipe. Cutting for suitable length by our developed special nozzle cutter (applied for a patent)
• Teflon nozzle is attached to Teflon nozzle adapter and use.
• No spatter adhering in nozzle



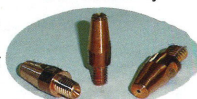
Main specification and characteristic of ECO TIP

Characteristic and specification

- Material is used with hole opened rod
- This tube is made by pulling process.
- Inside of hole is fine and smooth!
- make smooth and stable wire feeding.
- High conductivity of 97% : ECO TIP
- Conventional ones of 77% : CZ TIP
- Eco tip hole diameter : more smaller hole
- Length of Eco tip : 25L standard

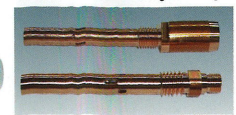
Effect

- Excellent stable arc
- Large reduction of spatter
- Excellent durability



Attention for usage

- Please use special "Tip body".
- Please replace the conventional conduit due to shortage of length.



Comparison of pulling hole and grinding hole



Various contact Tips and nozzles

From our various contact tips and nozzles, you may select best ones for your use.

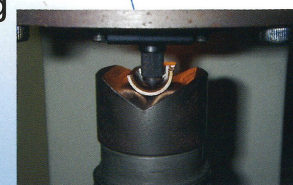


Factory

Inspection and measuring equipment for quality control



Three-dimensional measuring instrument



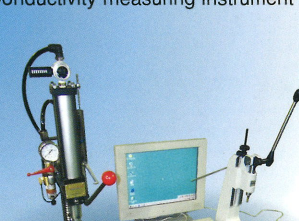
Hardness meter



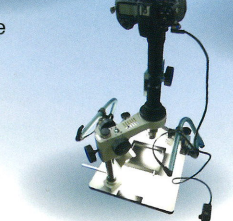
Conductivity measuring instrument



Digital Microscope



Load measuring Instrument



Tip checking Microscope

Production facilities supporting advanced processing



Wire EDM (electrical discharge machining)



Vertical lathe



Combined NC (Numerical Control)

Taper drilling processing machine



Machining Center with U axis (4 axis)

Abundant stock for the reliable supply

We are solving customer's anxiety of supply in compliance with at the time of Natural disaster



Stock warehouse (various places in Japan)

Profile of SHINKOKIKI Co., Ltd.



SHINKOKIKI

Company Name : SHINKOKIKI Co., Ltd.
President : Hideo Morimoto
Established : May 11, 1974
Capitol : ¥80,000,000.-
(Group total 120,000,000.-)
Headquarters : 4-11, Nakaotai, Nishi-ku, Nagoya City, 452-0822, Japan
TEL: 81-52-504-5150
FAX: 81-52-504-5158
Business fields : Design, Manufacture and Sales of Welding Electrode, Nut Automatic Welding Apparatus, Defected Parts Protection Apparatus, Parts Feeder
URL <http://www.shinkokiki.co.jp>

Overseas office

SHINKO WEL-TEC SERVICE CO., LTD.
TEL : +66-38-090622
FAX : +66-38-090625
GUANGZHOU XIN GUANG XIANG TRADING CO., LTD.
TEL : +86-20-8756-9723
FAX : +86-20-8558-9419
SHINKO BRASIL TECNOLOGIA DE SOLDAGEM LTDA.
TEL : +55-19-97150-1510
PT. ASAHI TECH SERVICE INDONESIA.
TEL : +62-21-8261-6447
FAX : +62-21-8261-6449