

## Heat Pressure Welder

—Applicable to a wide variety of materials—

The heat pressure welders have been designed primarily for use with high carbon steel wire rods that are normally difficult to join, and copper wires that are required to have high connection performance to cope with high speed wire drawing machines. They can however, be applied to many other materials.

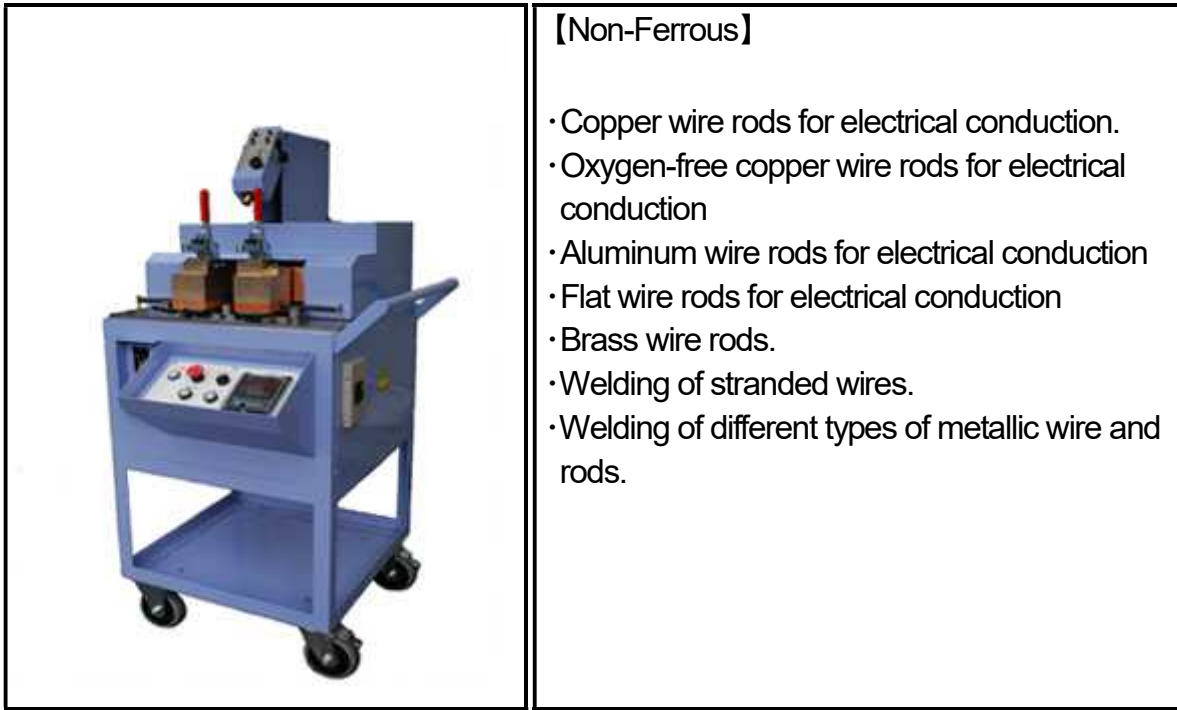
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With the heat pressure welding process, which is a two-step upsetting type, undesirable defects within the metal structure are eliminated when the excess molten material is forced out from between the joining surfaces. This feature assures unprecedented weld performance. In the case of high carbon steel wire rods, decarburization, which is common in the conventional process, does not take place. Furthermore, there is no decrease in hardness. In the case of copper wire rods for electric application, the welded section is not subject to formation of over heat zone, oxygen absorption or decrement in strength, unlike in the conventional process. These features are particularly useful in the welding of oxygen-free copper stock which must be protected against oxygen absorption of flat pieces that are subject to severe working conditions.



### 【Ferrous】

- P.C. steel wire rod, spring steel wire rod and other High carbon steel wire rods.
- Various types of stainless steel wire rods.
- Various types of welding rods.
- Low alloy steel wire rods.
- Steel wire strand.
- Steel tire cord.



**【Non-Ferrous】**

- Copper wire rods for electrical conduction.
- Oxygen-free copper wire rods for electrical conduction
- Aluminum wire rods for electrical conduction
- Flat wire rods for electrical conduction
- Brass wire rods.
- Welding of stranded wires.
- Welding of different types of metallic wire and rods.

**SPECIFICATIONS**

**Ferrous (For Steel Wire and Rod)**

Model No	Welding Capacity (mm)	Rated Capacity (kVA)	Max. Capacity (kVA)	Dimension W×D×H (mm)	Weight (Kg)
B SH-0	φ0.09~0.16	0.019	0.03	460×330×500	25
B SH-1	φ0.6~2.6	0.42	1.34	400×250×510	45
B SH-5	φ1.0~6.0	0.9	3.0	500×500×850	200
B SH-10	φ3.0~10.0	4.4	7.0	1,150×650×1,400	850
B SH-15	φ5.0~18.0	25.3	40.0	1,700×980×1,500	2,000
B SH-30	φ15.0~30.0	48	770	1,900×1,600×1,800	3,200

**【For Copper Wire and Rod】**

Model No	Welding Capacity (mm)	Rated Capacity (kVA)	Max. Capacity (kVA)	Dimension W×D×H (mm)	Weight (Kg)
B FH-1	φ0.6~2.6	1.0	3.0	500×350×600	70
B FH-5	φ1.0~7.0	6.3	20.0	550×610×850	250
B FH-10	φ3.0~10.0	12.8	41.0	1,150×650×1,400	800
B FH-19	φ8.0~19.0	110.0	447.0	1,700×1,200×1,500	2,300
B FH-25	φ12.0~25.0	257.0	470.0	1,750×1,900×1,800	3,500

(For Brass Wire and Rod)

Model No	Welding Capacity (mm)	Rated Capacity (kVA)	Max. Capacity (kVA)	Dimension W×D×H (mm)	Weight (Kg)
BFS-5	φ1.0~7.0	6.3	20.0	550×610×850	250
BFS-10	φ3.0~12.0	18.7	30.0	1,300×750×1,400	1,000
BFS-18	φ8.0~16.0	83.0	153.0	1,700×980×1,500	2,000
BFS-30	φ16.0~25.0	257.0	470.0	1,750×1,900×1,800	3,500

(For Copper Stranded Wire)

型式 Model No	Welding Capacity (mm <sup>2</sup> )	Rated Capacity (kVA)	Max. Capacity (kVA)	Dimension W×D×H (mm)	Weight (Kg)
BFY-5	2~22	6.3	20.0	550×610×850	250
BFY-8	14~150	48.0	154.0	1,300×750×1,400	1,100
BFY-19	80~400	110.0	447.0	1,700×1,200×1,500	2,300
BFY-30	150~640	257.0	470.0	1,750×1,900×1,800	3,500

(For Aluminum Wire and Rod)

型式 Model No	Welding Capacity (mm)	Rated Capacity (kVA)	Max. Capacity (kVA)	Dimension W×D×H (mm)	Weight (Kg)
BL-5	φ1.0~7.0	6.3	20.0	550×610×850	250
BL-10	φ5.5~12.0	10.4	33.0	1,150×650×1,400	850
BL-16	φ10.0~16.0	22.0	70.0	1,300×750×1,400	1,000
BL-19	φ14.0~20.0	41.0	130.0	1,700×980×1,500	2,000
BL-30	φ16.0~30.0	257.0	470.0	1,750×1,900×1,800	3,500