



# RSN7 SERIES STEEL STRUCTURE STUD WELDERS

Steel structure stud welders are widely used in steel construction projects, for example Expo pavilions, Industrial plants, landmarking skyscrapers, high-speed rail embedded parts, ribbed bar welding, shear studs welding etc. for studs and bolts M4-M36mm.

**MOTHER MATERIALS AND WELDING EFFECTS:** Carbon steel, low alloy steel, copper etc. materials with arc weldability. Welding in the workpiece surface of oxide layer, oil slick, priming paint or electroplate. After welding, no deformation, no convex, downward position welding, vertical position welding, overhead position welding, all position welding.

**APPLICABLE WELDING PROJETSCS:** Kiln, boiler, shipbuilding, power plant, chemical engineering, mechanical equipment, various pipeline, vessel, bucket, vehicle manufacturing etc. thickness  $\geq 3\text{mm}$ , welding M4m—M36mm pins, studs, pin bolts, specialshaped pins, corrugated pins, anchoring parts etc. similar studs and bolts.



## STANDARD ACCESSORIES

Standard Accessories of Steel Structure Stud Welders

NO.	Access ories	Spec.	Qty.
(1)	Weld Gun With 2m Cable	YF—DH—25	1pc
(2)	Weld Cable	120mm <sup>2</sup>	20m
(3)	Earth Cable	120mm <sup>2</sup>	5m
(4)	Chucks	Φ13, Φ16, Φ19, Φ22, Φ25	15 pcs T otally
(5)	Ferrule Foot Plate	Φ13, Φ16, Φ19, Φ22, Φ25	15 pcs T otally
(6)	Earth Clamp	N/A	1pc

**Note:**

- When ordering our arc stud welders, the above standard accessories are free of charge.
- Please inform us specifications and quantity of chucks and ferrule foot plate when ordering.

## PRODUCT FEATURES

- IGBT Inverter technology.
- Low price, less weight, power efficient, safe and reliable.
- Easy control and digital display of welding voltage, current and time.
- Special torch with extending cables, large lifting force, low heat and durable.
- Inner circuit board is under waterproof, anticorrosion, dampproof and dustproof treatment.
- Compensatory capabilities of power voltage. When the voltage decreases, this machine can automatically stabilize welding parameters, when the voltage is extremely low, the machine still can work normally(only the max welding current is a little lower), the welding strength is much higher than ordinary welding machine.

This feature applies to: electricity shortage and multiple equipments operating simultaneously in construction sites such as projects powered by generators, shipbuilding, steel construction etc.



## TECHNICAL DATA

Item	RSN7—1600	RSN7—2000	RSN7—2500	RSN7—3150
Welding Range	Φ3mm—Φ20mm	Φ3mm—Φ24mm	Φ3mm—Φ28mm	Φ3mm—Φ32mm
Welding Current	200A—160A	200A—2000A	200A—2500A	300A—3150A
Welding Time	0.1S—3.0S	0.1S—3.0S	0.1S—3.0S	0.1S—3.0S
Welding Speed	Φ20 15 pcs / minute	Φ24 15 pcs / minute	Φ28 15 pcs / minute	Φ32 15 pcs / minute
Input Power	AC 3~415V±10%	AC 3~415V±10%	AC 3~415V±10%	AC 3~415V±10%
Rate Input Power	50KW	60KW	80KW	100KW
Power Switch	100A	125A	160A	225A
Protect Grade	IP23	IP23	IP23	IP23
Cooling Way	F	F	F	F
Dimension (L. W. H)	890mm×368mm×560mm	890mm×398mm×680mm	890mm×398mm×680mm	890mm×398mm×800mm
Weight	98kg	120kg	130kg	165kg

**Please Note:**

- All above data are subject to technical modifications.
- Standard input power of our stud welders is AC 3 phase 380V±10%, upon your requests, our stud welders can specially design to work under AC 3 phase 220V±10% single voltage, 380V±10% single voltage, 220/380V±10% double voltage, 480V±10% single voltage.
- When ordering, please inform us your local industrial input voltage.