



FACTORY LOCATION

No.11-1, Yanfeng Road, Huishan Economic Zone,
Wuxi, Jiangsu Province,
China

OFFICE HEADQUARTER

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RIYANG V Series Manual Hydraulic Machine

EN 2019



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The V series manual hydraulic butt welding machines are applied to joint PE, PP, PPR and PVDF pipes and moulded fittings. Selection of components with a long service life ensures a low maintenance and repair, friendly and reliable operation. It makes more possibilities through upgrading the machine to data logged enabled with installation of an RIYANG data logger.

- The control panel centralized in the hydraulic unit enables operators to set welding parameter and execute welding procedure conveniently. Also available with digital temperature control for heating plate and a refined large readable pressure gauge.
- All connections sockets are located at the back of hydraulic unit, including sockets for trimmer tool and heating plate. Additional USB charging port is ready for charging your mobile phone when power off.
- All RIYANG manual hydraulic butt welding machine can easily be upgraded with RIYANG data logger for welding parameter setting, viewing, monitoring and recording. So it will comply with main gas welding requirements for data recording and report printing. No need to use full automatic machine.

- With steel side wall and high strength connection bars, the machine chassis could be prevented from being tilt or twist when dragging very long length pipes with most extreme pipe parameters.
- Specifically anti-stick Teflon coated heating plate enables the machine to work in precise way. And long life service is promised when operating in appropriate way. Specifically "C" designed heater handler, PTFE mat adopted with more helps in heat insulation, both characteristics prevent operators from being injured by heat.
- The trimmer tool is driven by a high-quality power motor. Rotating by a transmission chain helps the trimmer work stably.
- Friendly designed support is provided to store the heating plate and trimmer tool. No worries for the heating plate be scratched by sharp objects. And the design "sides-lift" enables operators to lift the support up and down expediently, without possible serious bump to the operators.
- The large brass knob can be easily handled by ratchet wrench, and resistance to rusty. Ratchet wrench is applied for O.D. up to 355mm.

All machine components are covered by RIYANG warranty



Hydraulic unit with detachable frame



Unique Teflon coated heating plate



Centralized temperature controller with On/Off button



RIYANG aluminum reducing inserts



All connection sockets at the back of unit
USB charging port ready for phone and pad



Aluminum stub end device

Technical Parameters	V160	V200	V250	V315	V355
Welding Range O.D. (mm)	63 - 160	63 - 200	(75)90 - 250	90 - 315	90 - 355
Reducer Inserts	63, 75, 90, 110, 125, 140	63, 75, 90, 110, 125, 140, 160, 180	(75)*, 90, 110, 125, 140, 160, 180, 200, 225	(75)*, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280	(75)*, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315
Power Supply	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
Rated Power (kW)	2.5	3.0	4.25	5.25	5.75
Piston Area (cm ²)	6.27	6.27	10.99	20.02	20.02
Overall N.W./G.W. (kg)	96 124	110 140	137 163	189 234	208 256
Standard Configuration					
Basic Machine Chassis	•	•	•	•	•
Trimmer	•	•	•	•	•
PTFE-Coated Heating Plate	•	•	•	•	•
Temperature Controller	•	•	•	•	•
Support Bracket	•	•	•	•	•
Aluminum Reducers	•	•	•	•	•
USB Charging Port	•	•	•	•	•
Detach Device	—	—	—	•	•
Transport Plywood Box	•	•	•	•	•
Optional Configuration					
Stub End Device	○	○	○	○	○
Data Logger	○	○	○	○	○
ISO Reducer Inserts	○	○	○	○	○
Single Inserts	○	○	○	○	○
Support Roller	○	○	○	○	○

* Available as option — Not available • Standard ○ Optional

RIYANG Manual Hydraulic Characteristics

Welding control system	Welding temperature monitored by temperature controller
Hydraulic unit	<ul style="list-style-type: none"> • Only one external power supply needed, all connections installed at the back of the unit. • Temperature controller at hydraulic unit, adjustable by easy operation. • Hydraulic unit encased by detachable frame, easier maintenance and repair. • Max. Pressure, up to O.D. 355mm, 80bar; O.D. 450mm to 630mm, 120bar; O.D. 800-1200mm, 160bar. • Accurate and maintenance-free gauge showing the welding pressure. • USB charging port ready for your mobile phone or Pad. • Quick and easy upgrade of hydraulic unit with RIYANG data logger for welding report.
Approval certification	CE, ISO9001:2008
Warranty period	2 years



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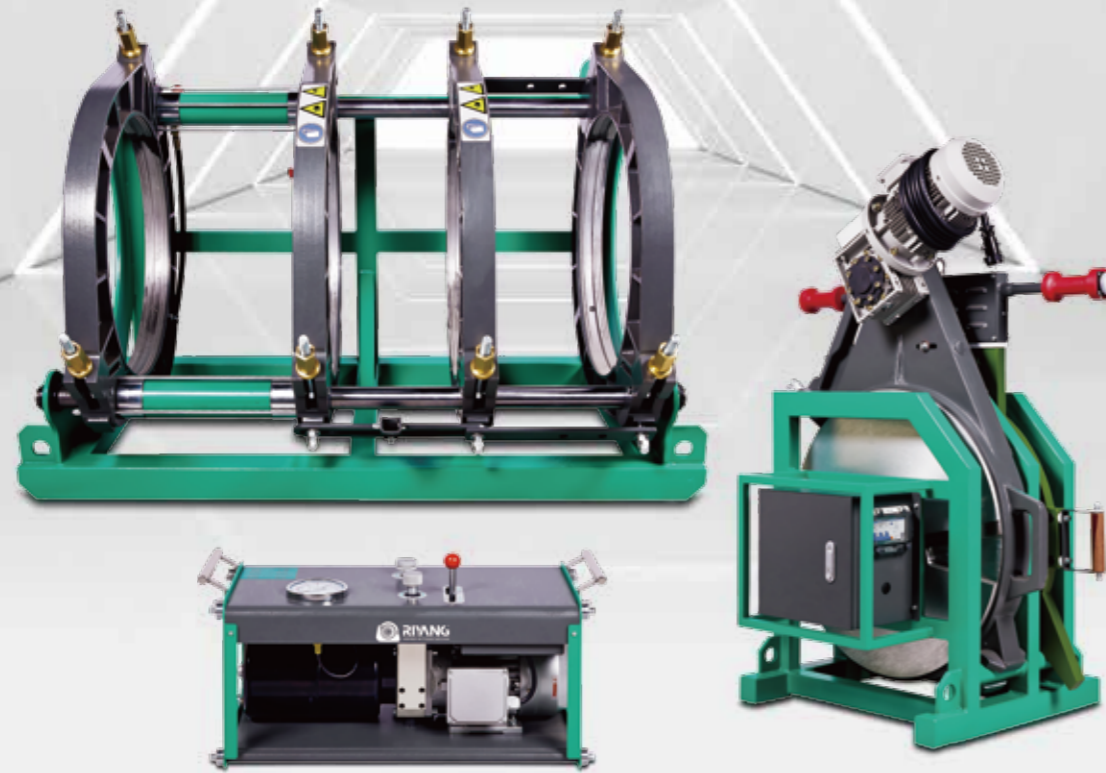
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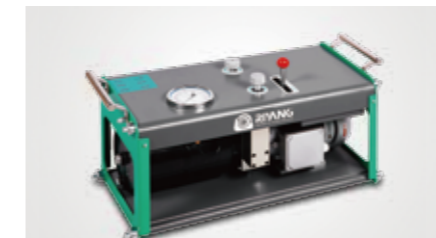
RIYANG V Series Manual Hydraulic Machine

The V series manual hydraulic butt welding machines are applied to joint PE, PP, PPR and PVDF pipes and moulded fittings. Selection of components with a long service life ensures a low maintenance and repair, friendly and reliable operation. It makes more possibilities through upgrading the machine to data logged enabled with installation of an RIYANG data logger.

- The control panel centralized in the hydraulic unit enables operators to set welding parameter and execute welding procedure conveniently. Also available with digital temperature control for heating plate and a refined large readable pressure gauge.
- All connections sockets are located at the back of electrical cabinet, including sockets for trimmer tool, heating plate and hydraulic unit. Electrical cabinet with lock/unlock device is very convenient for trouble shooting and repair.
- All RIYANG manual hydraulic butt welding machine can easily be upgraded with RIYANG data logger for welding parameter setting, viewing, monitoring and recording. So it will comply with main gas welding requirements for data recording and report printing. No need to use full automatic machine.

- With steel side wall and high strength connection bars, the machine chassis could be prevented from being tilt or twist when dragging very long length pipes with most extreme pipe parameters.
- Specifically anti-stick Teflon coated heating plate enables the machine to work in precise way. And long life service is promised when operating in appropriate way. Specifically PTFE mat adopted with more helps in heat insulation, and prevent the operators from being injured by heat.
- The trimmer tool is driven by a high-quality power motor. Rotating by a transmission chain helps the trimmer work stably.
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- Friendly designed support is provided to store the heating plate and trimmer tool. No worries for the heating plate be scratched by sharp objects.

All machine components are covered by RIYANG warranty



Hydraulic unit with detachable frame



Unique Teflon coated heating plate in support bracket



All connection sockets at the back of electrical cabinet



RIYANG aluminum reducing inserts



Electrical crane



Aluminum stub end device

Technical Parameters	V450	V500	V630
Welding Range O.D. (mm)	(200, 225, 250)280 - 450	(200, 225, 250)280 - 500	315 - 630
Reducer Inserts	(200, 225, 250)*, 280, 315, 355, 400	(200, 225, 250)*, 280, 315, 355, 400, 450	315, 355, 400, 450, 500, 560
Power Supply	380V 50Hz, 3P	380V 50Hz, 3P	380V 50Hz, 3P
Rated Power (kW)	8.38	10.3	12.3
Piston Area (cm ²)	22.37	23.06	23.06
Overall N.W./G.W. (kg)	405 486	430 520	618 729
Standard Configuration			
Basic Machine Chassis	•	•	•
Trimmer	•	•	•
PTFE-Coated Heating Plate	•	•	•
Temperature Controller	•	•	•
Support Bracket	•	•	•
Aluminum Reducers	•	•	•
Electrical Cabinet	•	•	•
USB Charging Port	•	•	•
Detach Device	•	•	•
Transport Plywood Box	•	•	•
Optional Configuration			
Electrical Crane	—	—	○
Stub End Device	○	○	○
Data Logger	○	○	○
ISO Reducer Inserts	○	○	○
Support Roller	○	○	○

* Available as option — Not available • Standard ○ Optional

RIYANG Manual Hydraulic Characteristics

Welding control system	Welding temperature monitored by temperature controller
Hydraulic unit	<ul style="list-style-type: none"> • Only one external power supply needed to connect with electrical cabinet. • Temperature controller at electrical cabinet, adjustable by easy operation. • Hydraulic unit encased by detachable frame, easier maintenance and repair. • Max. Pressure, up to O.D. 355mm, 80bar; O.D. 450mm to 630mm, 120bar; O.D. 800-1200mm, 160bar. • Accurate and maintenance-free gauge showing the welding pressure. • Quick and easy upgrade of hydraulic unit with RIYANG data logger for welding report.
Approval certification	CE, ISO9001:2008
Warranty period	2 years



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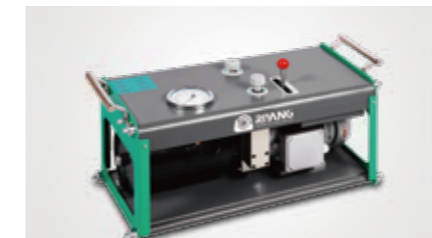


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Hydraulic unit with detachable frame



Unique Teflon coated heating plate in support bracket



All connection sockets at the back of electrical cabinet



RIYANG aluminum reducing inserts



Electrical crane



Aluminum stub end device

Parámetros técnicos	V800	V1000	V1200
Welding Range O.D. (mm)	(400, 450)500 - 800	630 - 1000	630 - 1200
Reducer Inserts	(400, 450)*, 500, 560, 630, 710	630, 710, 800, 900	630, 710, 800, 900, 1000
Power Supply	380V 50Hz, 3P	380V 50Hz, 3P	380V 50Hz, 3P
Rated Power (kW)	18.2	24.0	29.5
Piston Area (cm ²)	44.0	38.80	50.70
Overall N.W./G.W. (kg)	1300 1420	2400 2600	2520 2780
Standard Configuration			
Basic Machine Chassis	•	•	•
Trimmer	•	•	•
PTFE-Coated Heating Plate	•	•	•
Temperature Controller	•	•	•
Support Bracket	•	•	•
Aluminum Reducers	•	•	•
Electrical Cabinet	•	•	•
USB Charging Port	•	•	•
Detach Device	•	•	•
Transport Plywood Box	•	•	•
Optional Configuration			
Electrical Crane	○	○	○
Stub End Device	○	○	○
Data Logger	○	○	○
Support Roller	○	○	○

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