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RIYANG V Series Manual Hydraulic Machine



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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 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.
- The trimmer tool is driven by a high-quality power motor. Rotating by a transmission chain helps the trimmer work stably. High quality emergency button ensure the operation safety.
- 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



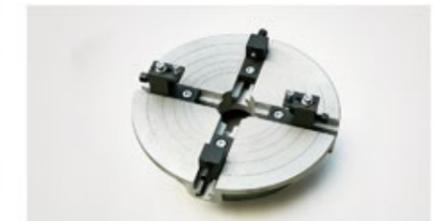
All connection sockets at the back of electrical cabinet



RIYANG aluminum reducing inserts



Electrical crane



Aluminum stub end device

Technical Parameters	V450	V500	V630
Welding Range O.D. (mm)	200 - 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