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RIYANG V-CNC Series Automatic Butt Fusion Machine

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The RIYANG V-CNC series automatic 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.

- The CNC hydraulic control box is available for all RIYANG basic model machines, covering the size from O.D 50mm through O.D 1200mm. Fully encased control box makes the protection level up to IP 54.
- Due to the unique powertrain, it could not only create sufficient hydraulic power during welding procedure, but also it makes sure the precise control. And most importantly, it greatly reduce the weight of control box. And the servo-motor applied significantly reduce the failure possibility and maintenance cost.
- All connections sockets are located at the back of hydraulic control unit, including sockets for trimmer tool and heating plate. No additional power distributor is needed.
- Various welding standards (DVS, ISO, WIS, etc.) could be pre-installed by different languages upon your request. All welding reports could be saved immediately to internal memory with a capacity of 2000 reports after welding accomplished, or print the report. Meanwhile, it is available for downloading through the USB interface.
- All RIYANG V-CNC series hydraulic control box is featured with PLC touch screen, extremely user-friendly RFID access technology. Troubleshooting and program upgrade are available for remote control.
- When heating plate hook up with machine chassis, inserting or release the heater will be controlled remotely by hydraulic unit, which is same as trimmer. These characteristics prevent the operators from being injured.

All machine components are covered by RIYANG warranty



Fully encased, robust and compact



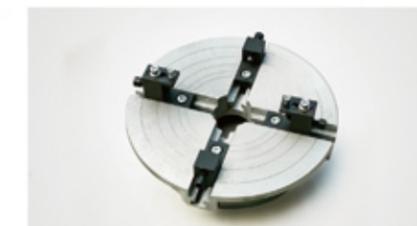
PLC touch scree and RFID access technology, give more conveniences to operators



Unique Teflon coated heating plate



Single insert and ISO inserts are optional



Aluminum stub end device

Technical Parameters	V160CNC	V200CNC	V250CNC	V315CNC	V355CNC	V450CNC	V500CNC	V630CNC	V800CNC	V1000CNC	V1200CNC
Welding Range O.D. (mm)	(50)* 63 - 160	63 - 200	(75)* 90 - 250	90 - 315	90 - 355	(200-250)* 280 - 450	(200-250)* 280 - 500	315 - 630	(400, 450)* 500 - 800	630 - 1000	630 - 1200
Reducer Inserts	(50)*, 63, 75, 90, 110, 125, 140	63, 75, 90, 110, 125, 140, 160, 180	(75)*, 90, 110, 125, 140, 160, 180, 200, 225	90, 110, 125, 140, 160, 180, 200, 225, 250, 280	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	(200, 225, 250)*, 280, 315, 355, 400, 450	(200, 225, 250)*, 280, 315, 355, 400, 450	315, 355, 400, 450, 500, 560	(400, 450)*, 500, 560, 630, 710	630, 710, 800, 900	630, 710, 800, 900, 1000
Power Supply	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz	400V 50/60Hz	400V 50/60Hz	400V 50/60Hz	400V 50/60Hz	400V 50/60Hz	400V 50/60Hz
Rated Power (kW)	2.5	3.0	4.25	5.25	5.25	8.30	9.50	11.50	17.60	23.40	29.0
Piston Area (cm²)	6.27	6.27	10.99	20.02	20.02	22.37	23.06	23.06	44.0	38.80	50.70
Overall N.W./G.W. (kg)	96 / 124	110 / 140	137 / 163	189 / 234	208 / 256	395 / 476	420 / 510	608 / 719	1300 / 1420	2400 / 2600	2520 / 2780
Standard Configuration											
CNC Controller Unit	•	•	•	•	•	•	•	•	•	•	•
Basic Machine Chassis	•	•	•	•	•	•	•	•	•	•	•
Trimmer	•	•	•	•	•	•	•	•	•	•	•
PTFE-Coated Heating Plate	•	•	•	•	•	•	•	•	•	•	•
Support Bracket	•	•	•	•	•	•	•	•	•	•	•
Aluminum Reducers	•	•	•	•	•	•	•	•	•	•	•
Detach Device	—	—	—	•	•	•	•	•	•	•	•
Transport Plywood Box	•	•	•	•	•	•	•	•	•	—	—
Optional Configuration											
Pivoted Heating Plate	○	○	○	○	○	○	○	○	○	○	○
Pivoted Trimmer	—	—	—	—	—	○	○	○	○	○	○
Stub End Device	○	○	○	○	○	○	○	○	○	○	○
ISO Reducer Inserts	○	○	○	○	○	○	○	○	○	○	○
Single Inserts	○	○	○	○	○	○	○	○	○	○	○
Support Roller	○	○	○	○	○	○	○	○	○	○	○

* Available as option — Not available • Standard ○ Optional

RIYANG V-CNC series Characteristics	
Welding control system	Fully monitored by CNC control unit
Data logging capacity	2000 reports
Welding monitoring system	Ambient temperature, input voltage, heating temperature, welding pressure, welding times, heating operation, trimming operation, memory control
Welding standard	DVS, ISO, WIS, UNI and others upon request
Languages	Available upon request
Approval certification	CE, ISO9001:2008
Warranty period	2 years