Technical Parameters	V160CNC20	V200CNC20	V250CNC20	V315CNC20
Welding Range O.D. (mm)	(40, 50)* 63 - 160	63 - 200	(63, 75)* 90 - 250	90 - 315
Reducer Inserts in mm	(40, 50)*, 63, 75, 90, 110, 125, 140	63, 75, 90, 110, 125, 140, 160, 180	(63, 75)*, 90, 110, 125, 140, 160, 180, 200, 225	90, 110, 125, 140, 160, 180, 200, 225, 250, 280
Reducer Inserts in inch	2, 3, 4, 5, 6	2, 3, 4, 5, 6	2*, 3, 4, 5, 6, 8	3, 4, 5, 6, 8, 12
Power Supply	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz	230V 50/60Hz
Rated Power(kW)	2.5	3.0	4.25	5.25
Piston Area (cm^2)	6.27	6.27	10.99	12.56
Overall N.W./G.W. (kg)	102 / 130	116 / 146	142 / 169	195 / 240
Standard Configuration				
CNC Controller Unit	●	●	●	●
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	○	○	○	○

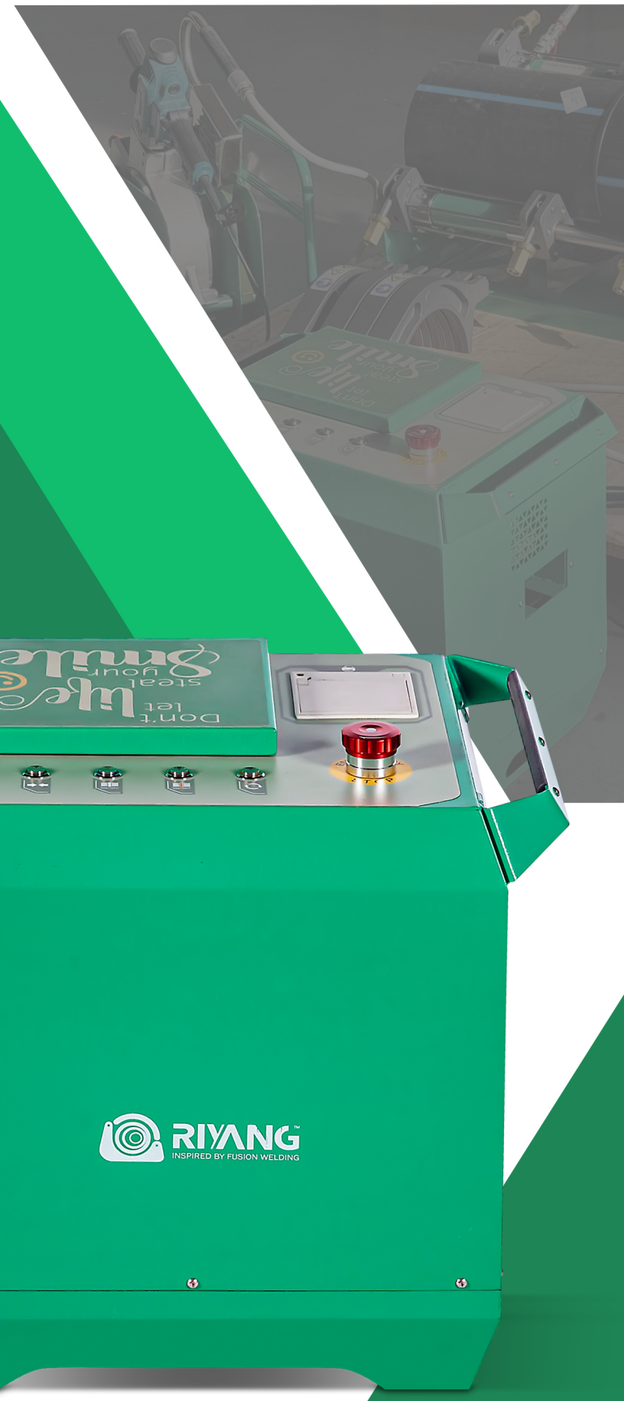
Technical Parameters	V355CNC20	V450CNC20	V500CNC20	V630CNC20
Welding Range O.D. (mm)	90 - 355	(200, 225, 250)* 280 - 450	(200, 225, 250)* 280 - 500	315 - 630
Reducer Inserts in mm	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	(200, 225, 250)*, 280, 315, 355, 400	(200, 225, 250)*, 280, 315 355, 400, 450	315, 355, 400, 450, 500, 560
Reducer Inserts in inch	3, 4, 5, 6, 8, 12, 14	(8, 10)*, 12, 14, 16, 18	(8, 10)*, 12, 14, 16, 18, 20	12, 14, 16, 18, 20, 22, 24
Power Supply	230V 50/60Hz	400V 50/60Hz	400V 50/60Hz	400V 50/60Hz
Rated Power(kW)	6.25	8.30	9.50	11.50
Piston Area (cm^2)	12.56	22.37	23.06	23.06
Overall N.W./G.W. (kg)	214 / 266	395 / 476	420 / 510	608 / 719
Standard Configuration				
CNC Controller Unit	●	●	●	●
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™
INSPIRED BY FUSION WELDING

TRACEABLE
INTELLIGENT
CUSTOMIZABLE

V-CNC20



Machine's Overview

The RIYANG CNC2.0 is a premium, high-stability automatic butt fusion machine powered by a Siemens PLC. It is manufactured to meet rigorous standards including ISO 12176-1 for butt-fusion welding of thermoplastic pipes and the EU Machinery Directive 2006/42/EC.

The system supports pre-programmed welding standards conforming to major industry standards such as DVS, ISO, and ASTM. Custom standards can be incorporated on demand.

Welding records can be exported via USB, saved as PDF, and key parameters (time, operator, standard, welding result) can be printed on adhesive labels for on-site traceability. The machine's memory supports storing up to 10,000 weld logs.

During welding, the system provides real-time alerts if key parameters—voltage, temperature, or pressure—are outside specified ranges, enabling immediate corrective action and maximizing weld integrity.

Welding parameters can be tailored to specific pipe materials and ambient conditions, enhancing flexibility and ensuring optimal weld results under varied conditions.

Once a weld profile is saved, it can be reused with a single selection for subsequent welds on the same pipe type, greatly improving operational efficiency.

The CNC2.0 features a detachable frame 4-3-2 with narrow clamps, ideal for welding in confined or specialized industrial pipeline environments (upon on request).

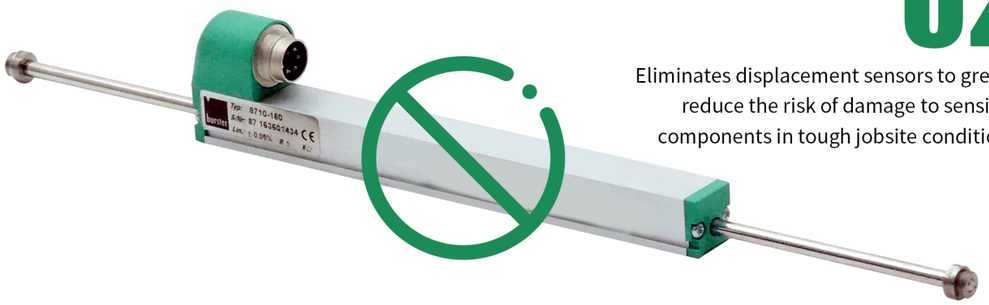
Backed by a 2-year industry-leading warranty.

Main Features

01 Integrated User Interface

Features a unified control panel that enhances operator efficiency and minimizes errors. Mechanical push-buttons are accompanied by status indicator lights, allowing real-time monitoring of the machine's operating status.

Sensor-Free Design for Harsh Environments 02

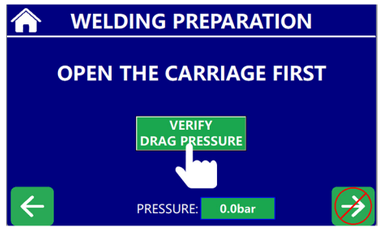


Eliminates displacement sensors to greatly reduce the risk of damage to sensitive components in tough jobsite conditions.

03 Versatile Control Box

One control box is compatible with machine models 160, 200, 250, 315, and 355, enabling significant cost savings for users. It also allows for easy upgrades from manual to automatic configurations.

V160CNC20 V200CNC20
V250CNC20 V315CNC20 V355CNC20

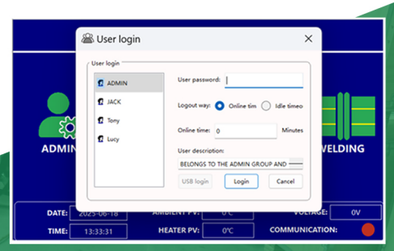


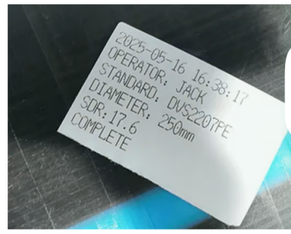
04 Effortless Drag Pressure with Just One Click

Achieve precise drag pressure effortlessly with a single click, streamlining the welding process and improving operational efficiency.

05 Multi-User Management & Access Control

Supports multiple operator accounts, each with configurable roles and access permissions, allowing you to define distinct levels of control tailored to your team structure.





06 Instant Label Printing with Weld Data & Real-Time Traceability

Print welding result labels instantly with key data, enabling real-time tracking and enhanced quality control.

07 Remote Diagnostics & Firmware Upgrades

The system supports remote troubleshooting and OTA software updates, allowing technical teams to identify and resolve issues without the need for on-site service.