

V2000CNC Butt Fusion Machine

RIYANG V2000CNC automatic-controlled hydraulically operated butt fusion welding machine is suitable for PE and PP pipes from 1400mm to 2000mm OD. It is featured:

- ◎ Consists of basic frame, hydraulic unit, planing tool, heating plate, support basket
- ◎ Standard welding range 2000mm SDR 17 to 1400mm SDR 11 with optional clamp inserts
- ◎ According to ISO/DVS/ASTM SLP & DLP low pressure Standards. High pressure is optional.
- ◎ Reductions included: 2000x1800, 1800x1600, 1600x1400.
- ◎ Electro hydraulic pump with controls and accumulator are mounted on the main frame. Includes countdown timers for heating and cooling phases.
- ◎ Aluminium PTFE coated heating plate with electronic temperature control.
- ◎ Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work.
- ◎ 2 years warranty
- ◎ Featured components:
 - Quick coupling connector originally comes from Stucchi brand, Italy
 - Pressure keeping valve originally comes from Keta brand, China (NO.1 in China)
 - Proportional valve originally comes from Hydraforce brand, USA
 - Oil seal kit originally comes from Germany and Japan
 - PLC kit originally comes from Siemens, Germany
 - Electricity parts come from Schneider, Germany
 - Etc....
- ◎ Options: Hydraulically operated clamps, hydraulically locking, stub end holder, other size reductions, high pressure welding system.

Specifications Chart

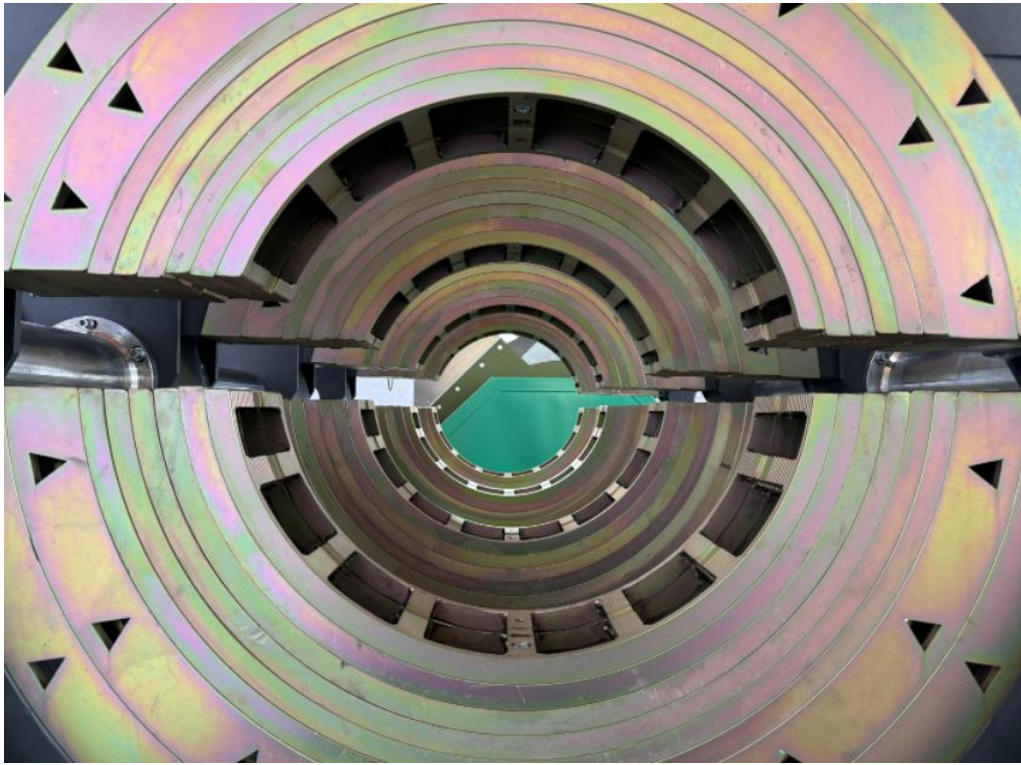
Model	V2000CNC
Applicable material	PE, PP, PVDF
Pipe size (OD)	1400, 1600, 1800, 2000mm
Ambient temperature	-5~45℃
Power supply	~380 V±10 %
Frequency	50 Hz
Total power	85KW
Include: Heater plate	70 kW
Milling cutter motor	7.5 kW IP54
Hydraulic unit motor	7.5 kW IP54
Insulation resistance	>1MΩ
Max.working pressure	20 MPa (Low pressure)
Cylinder area	75 cm ²
Hydraulic oil	40~50 (viscosity mm ² /s, 40℃)
Noise level	<70 dB
Max.temperature of heating plate	270℃
Temperature deviation of heating plate	±7℃

Overview of RIYANG V2000CNC Butt Fusion Machine



(With hydraulic clamps and hydraulic locking)






(Galvanized Reducing Inserts)




(Control Panel)




ADMIN

EMERGENCY
ACTIVATED!

PRESS [RESET] 2S
FOR SERVO HOME



RECOERD



WELDING

ANGLE:	11.3°	BEADING PRESSURE:	27.9bar	STANDARD:	DVS2207PE
DIAMETER:	500mm	SOAKING PRESSURE:	0.0bar	DATE:	2022-10-11
SDR:	21.0	SOAKING TIME:	238S	TIME:	15:23:25
THICKNESS:	23.8mm	CHANGE OVER TIME:	12S	AMBIENT PV:	0°C
MATERIAL:	PE 80	WELDING PRESSURE:	27.9bar	WELDING SV:	2050°C
BEAD SIZE:	2.5mm	COOLING TIME:	28.8MIN	PLC COMMUNICATION:	●

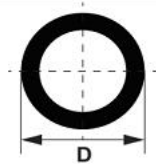
WELDING

[PARAMETERS](#)[CALIBRATION](#)[MAIN](#)

SELECT WELDING STANDARD

[ASTM F2620-2020](#)[DVS2007/1, PE](#)[CUSTOM](#)[DVS2007/11, PP](#)[DVS2207PE](#)[ISO21307, PE](#)[BACK](#)[NEXT](#)

SELECT DIAMETER

[DVS2207PE](#)[30°](#)[630](#)[315](#)[355](#)[400](#)[450](#)[500](#)[560](#)[630](#)[BACK](#)[NEXT](#)

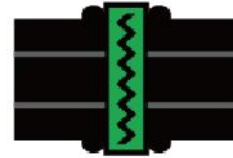
SELECT SDR

DVS2207PE	6	7.4	9
30.00°	11	13.6	17
630	17.6	21	26
PE 80	33	41	
11.0			
BACK			NEXT

BEAD UP

BEAD SIZE:

4mm



P1:

0bar

91bar

T:

0°C

200°C

CONFIRM

COOLING

RELEASE PRESSURE

COUNTDOWN

1S

T5:

1S

4158S

P3:

0bar

91bar

T:

0°C

200°C

NOTE:

COULD TURN OFF THE HEAT

