



Application & Features

Suitable for butt-welding plastic pipes and fittings made of PE, PP and PVDF materials. Consists of basic frame. CNC control, hydraulic unit, planing tool, heating mirror, carry case and optional extras. Equipped with siemens PLC and touch screen control system. Real time data printing, recording function and USB port, CTSG, ISO, DVS, GIS etc. Welding standards pre-installed full automated system for the heating mirror BDS/GPS positioning and remote data transmission function available. Fingerprint identification for welders.

Size Range	FHD 160	FHD 250	FHD 315	FHD 355
Pipe Sizes mm	90, 110, 125, 160	90, 110, 160, 200, 250	110, 160, 200, 250, 315	160, 200, 250, 315, 355
Heating Mirror Max Temp	270 Deg C	270 Deg C	270 Deg C	270 Deg C
Temp Deviation Surface [170-250 Deg C]	<=+- 5 Deg C	<=+- 5 Deg C	<=+- 5 Deg C	<=+- 5 Deg C
Pressure Adjustable Range	0.4 - 6 Mpa	0.4 - 6 Mpa	0.4 - 6 Mpa	0.4 - 6 Mpa
Working Voltage	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz
Heating Mirror Power	1 Kw	2 Kw	3 Kw	4 Kw
Planer Power	0.7 Kw	1.1 Kw	1.1 Kw	1.1 Kw
Hydraulic Unit Power	0.75 Kw	0.75 Kw	0.75 Kw	0.75 Kw
Total Power	2.45 Kw	3.85 Kw	4.85 Kw	5.85 Kw



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Size Range	FZD 450	FZD 630	FZD 800	FZD 1000	FZD 1200
Pipe Sizes mm	200, 225, 250, 280 315, 355, 400, 450	315, 355, 400, 450 500, 560, 630	450, 560, 630, 710, 800	630, 710, 800, 900, 1000	630, 710, 800, 900, 1000, 1100, 1200
Ambient Temperature	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C
Heating Mirror Max Temp	270 Deg C	270 Deg C	270 Deg C	270 Deg C	270 Deg C
Temp Deviation Surface [170-250 Deg C]	<=+- 7 Deg C	<=+- 7 Deg C	<=+- 7 Deg C	<=+- 7 Deg C	<=+- 7 Deg C
Pressure Adjustable Range	0.4 - 8 Mpa	0.4 - 8 Mpa	0.4 - 12 Mpa	0.4 - 12 Mpa	0.4 - 16 Mpa
Working Voltage	380 VAC 50 Hz	380 VAC 50 Hz	380 VAC 50 Hz	380 VAC 50 Hz	380 VAC 50 Hz
Heating Mirror Power	5.38 Kw	9.35 Kw	12.5 Kw	17.5 Kw	21.5 Kw
Planer Power	1.5 Kw	1.5 Kw	2.2 Kw	3 Kw	4 Kw
Hydraulic Unit Power	2.2 Kw	2.2 Kw	4 Kw	4 Kw	5 Kw
Total Power	9.06 Kw	13.05 Kw	18.7 Kw	24.5 Kw	30.5 Kw



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Size Range	CNC-FZD 450	CNC-FZD 630
Pipe Sizes mm	200, 225, 250, 280 315, 355, 400,450	315, 355, 400, 450 500, 560, 630
Ambient Temperature	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C
Heating Mirror Max Temp	270 Deg C	270 Deg C
Temp Deviation Surface [170-250 Deg C]	<=+- 7 Deg C	<=+- 7 Deg C
Pressure Adjustable Range	0.4 - 8 Mpa	0.4 - 8 Mpa
Working Voltage	380 VAC 50 Hz	220 VAC 50 Hz
Heating Mirror Power	5.38 Kw	9.35 Kw
Planer Power	1.5 Kw	1.5 Kw
Hydraulic Unit Power	2.2 Kw	2.2 Kw
Total Power	9.06 Kw	13.05 Kw



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Size Range	CNC II-FZD 160	CNC II-FZD 250	CNC II -FZD 315	CNC II-FZD 355
Pipe Sizes mm	90, 110, 125, 160	90, 110, 160, 200, 250	110, 160, 200, 250, 315	160, 200, 250, 315, 355
Ambient Temperature	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C	-5 Deg C to 45 Deg C
Heating Mirror Max Temp	270 Deg C	270 Deg C	270 Deg C	270 Deg C
Temp Deviation Surface [170-250 Deg C]	<=+- 5 Deg C	<=+- 5 Deg C	<=+- 5 Deg C	<=+- 5 Deg C
Pressure Adjustable Range	0.4 - 6 Mpa	0.4 - 6 Mpa	0.4 - 6 Mpa	0.4 - 6 Mpa
Working Voltage	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz
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Planer Power	0.7 Kw	1.1 Kw	1.1 Kw	1.1 Kw
Hydraulic Unit Power	0.75 Kw	0.75 Kw	0.75 Kw	0.75 Kw
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