

## Y Type Butt Welding Fusion Machine

**HL-160Y2**

### Product Description

- Suitable for thermoplastic pipes or fittings made of PP, PB, PE, PVDF for field operation or in workshop.
- Consists of basic frame, planning tool, separate heating plate, steel stand, etc.
- Made of light weight and high strength material
- Labor saving and high efficient
- The main accessories of the welding machines are made by fully automatic aluminum casting. More lighter, solid and smooth than the machine made by sand or steel mold casting
- Gear sets are protected from dirt by a cover in field operation.



### Specifications

Model No.	HL160Y2	HL200Y2
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200
Butting Deviation	≤0.3mm	
Temperature Deviation	±3°C	
Operation Temperature	220°C	
Ambient Temperature	-5°C to +40°C	
Required Time for Welding Temperature	< 20min	
Heating Plate	1.6KW / 220V	2.0KW / 220V
Planning tool	0.68KW / 220V	
Applicable Material	PE, PPR, PB, PVDF, PVC, HDPE	
G. W. (KG)	54KG	63KG
Packing	575×500×526mm	645×538×545mm

**HL-160Y4**



Heating Plate



Planning Tool

## Specifications

Model No.	HL160Y4	HL200Y4	HL250Y4
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200	DN (mm): 90 110 125 140 160 180 200 225 250
Butting Deviation	≤0.3mm		
Temperature Deviation	± 3°C		
Operation Temperature	220°C		
Ambient Temperature	-5°C to +40°C		
Required Time for Welding Temperature	< 20min		
Heating Plate	1.6KW / 220V	2.0KW / 220V	1.6KW / 220V
Planning tool	0.68KW / 220V		
Applicable Material	PE, PPR, PB, PVDF, PVC, HDPE		
G. W. (KG)	59KG	67KG	102KG
Packing	780×479×535mm	784×530×532mm	935×610×642mm

## D Type Butt Welding Fusion Machine

**HL-160D2**

### Product Description

- Suitable for thermoplastic pipes or fittings made of PP, PB, PE, PVDF for field operation or in workshop.
- Consists of basic frame, planning tool, separate heating plate, steel stand, etc.
- Made of light weight and high strength material
- Labor saving and high efficient
- The main accessories of the welding machines are made of fully automatic aluminum casting. More lighter, solid and smooth than the machine made by sand or steel mold casting.
- This type of machine is driven by rack, a metal guide rod with teeth, labor saving and convenient operation.



### Ordering Information

Model No.	HL160D2	HL200D2
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200
Butting Deviation	≤0.3mm	
Temperature Deviation	±3°C	
Operation Temperature	220°C	
Ambient Temperature	-5°C to +40°C	
Required Time for Welding Temperature	< 20min	
Heating Plate	1.6KW / 220V	2.0KW / 220V
Planning tool	0.68KW / 220V	
Applicable Material	PE, PPR, PB, PVDF, PVC, HDPE	
G. W. (KG)	40KG	38KG
Packing	550×442×460mm	555×455×500mm

**HL-160D4**



Heating Plate



Planning Tool

## Ordering Information

Model No.	HL160D4	HL200D4	HL250D4
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200	DN (mm): 90 110 125 140 160 180 200 225 250
Butting Deviation	≤0.3mm		
Temperature Deviation	± 3°C		
Operation Temperature	220°C		
Ambient Temperature	-5°C to +40°C		
Required Time for Welding Temperature	< 20min		
Heating Plate	1.6KW / 220V	2.0KW / 220V	2.55KW / 220V
Planning tool	0.68KW / 220V		
Applicable Material	PE, PPR, PB, PVDF, PVC, HDPE		
G. W. (KG)	43KG	48KG	100KG
Packing	740×445×460mm	710×500×510mm	935×610×642mm

## Hand-Pushing Butt Welding Fusion Machine

**HL-160T2**

### Product Description

- Suitable for PP, PB, PE, PVDF pipes.
- It is composed of operating platform, fixture, heating plate and milling cutter.
- The fixture and operating system are separate, easy to operate under the ditch.
- The fixture has two ferrules, can locate the pipes more accurately, easy to adjust.
- The removable fixture makes machine more easily for special pipes during operation



### Ordering Information

Model No.	HL160T2	HL200T2
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200
Butting Deviation	≤0.3mm	
Temperature Deviation	±3°C	
Operation Temperature	220°C	
Ambient Temperature	-5°C to +40°C	
Required Time for Welding Temperature	< 20min	
Heating Plate	1.6KW / 220V	2.0KW / 220V
Planning tool	0.68KW / 220V	
Applicable Material	PE, PPR, PB, PVDF, PVC, HDPE	
G. W. (KG)	40KG	46KG
Packing	575×500×525mm	580×545×485mm



Heating Plate



Planning Tool

## Hydraulic Butt Welding Fusion Machine

**HLY-160**



### Product Description

- Suitable for PP, PB, PE, PVDF pipes.
- The fixture and operating system are separate, easy to operate under the ditch.
- The fixture has two ferrules, can locate the pipes more accurately, easy to adjust alignment.
- Using hydraulic system to control docking pressure, the pressure is more accurate, the operating is smooth.
- Using solenoid valve to control the cylinder running, it makes the operating easier and faster.
- Includes basic frame, planning tool, heating plate, hydraulic unit, stand and trolley(size≥315mm).

### Ordering Information

Model No.	HLY160	HLY200	HLY250	HLY315	HLY450	HLY630
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200	DN (mm): 90 110 125 140 160 180 200 225 250	DN (mm): 160 180 200 225 250 280 315	DN (mm): 280 315 355 400 450	DN (mm): 400 450 500 560 630
Butting Deviation	≤0.3mm				≤0.5mm	≤0.75mm
Temperature Deviation	±3°C					
Ambient Temperature	-5°C to +40°C					
Required Time for Welding Temperature	< 20min				< 35min	
Total Section of Cylinders	15.3 cm <sup>2</sup>		11.0 cm <sup>2</sup>	22.02 cm <sup>2</sup>	23.06cm <sup>2</sup>	27.20cm <sup>2</sup>
Heating Plate Max Temperature	299°C					
Operation Pressure Range	0-4MPa		0-4.5MPa		0-6.3MPa	
Heating Plate	1.6KW / 220V	2.0KW / 220V	2.55KW / 220V	2.8KW / 220V	4.5KW / 380V	7.5KW / 380V
Planning tool	0.68KW /220V		1.0KW /220V	1.1KW /220V	1.1KW /380V	1.5KW /380V
Hydraulic Unit	0.75KW /220V				1.5KW /380V	
Applicable Material	PE, PPR, PB, PVDF, PVC, HDPE					
Total G. W. (KG)	106KG	117KG	152KG	197KG	454KG	640KG
Packing (Basic Frame)	885×475×570mm	885×522×565mm	940×580×640mm	1006×640×560mm	1190×750×810mm	1380×945×1010mm
Packing (Hydraulic Unit)	565×482×500mm		800×560×640mm	730×650×710mm	903×620×1122mm	940×655×1280mm
Packing (Accessories)	--	--	--	--	920×570×770mm	960×570×775mm

## Full Automatic Butt Welding Fusion Machine

### HLQ-160

#### Product Description

- The parameters of welding process can be set and stored.
- The temperature of the heating plate is adjusted automatically.
- The working pressure is adjusted automatically.
- The heating time and cooling time is controlled automatically.
- The welding parameters and the operator code are saved automatically.
- The welding record can output through min-printer or USB flash disk.
- with alarm function for various fault.



#### Ordering Information

Model No.	HLQ160	HLQ250	HLQ315	HLQ400
Surface Temperature Difference of the Heating Plate	$\leq \pm 3^{\circ}\text{C}$			
Operating Pressure Range of the Hydraulic System	1-7.0MPa	1-10.0MPa	0-13.0MPa	
Power of the Heating Plate	1.2KW	1.8KW	2.2KW	4.0KW
Power of the Planning Tool	0.75KW	1.0KW		1.1KW
Power of the Hydraulic Pump Station	0.75KW			
Input Voltage	220V, 50-60Hz			
Input Power	3.0KW	3.6KW	4.0KW	6.0KW
Fusion Range (mm)	63 90 110 160	110 160 200 250	160 200 250 315	315 355 400
N. W.	110KG	130KG	190KG	240KG



## Automatic Multifunction Electrofusion Machine

**HL-250E**

### Product Description

- Suitable for PE pipes.
- It is composed of operating platform, fixture, heating plate and milling cutter.
- Timing AC voltage with constant voltage and current can be applied to the electro fusion welding on PE pipe (steel mesh skeleton polyethylene composite pipe)



### Ordering Information

Model No.	HL250E	HL315E
Fusion Range	20-250mm	20-315mm
Output Voltage	220V	
Frequency	50Hz	
Input Voltage	AC170-250V	
Voltage Control Mode	10-50V	
Current Control Mode	1-80A	
Power	2500W	3500W
Ambient Temperature	-150°C to +50°C	
Relative Humidity	≤80%	
Time Adjusting Range	1-9999 seconds	
Packing	380×280×350mm	
G. W.	22.5KG	26.5KG



## Hand Plastic Fusion Machine

### Product Description

- Ideal for plastic pipe welding work. Efficient and easy stocking. Welding range up from 20mm to 63mm to meet different demand.
- Complete in a metal carrying case which meets European Environmental Standards.
- Double heating element with thermostat--Heating element are made of non-corrosive material.
- This set contains all the tools you will need to install PPR pipe: world standard sockets, vicing foot, allen wrench.

### Specifications

- Model: HL63-A1
- Size: DN20 25 32 40 50 63 mm
- Working Temperature: 0-300degree
- Power: 220-240V, 50/60Hz, 70-1600W

- Model: HL63-B1
- Size: DN20 25 32 40 50 63 mm
- Working Temperature: 240-280degree
- Power: 220-240V, 50/60Hz, 1000W

- Model: HL63-C1
- Size: DN20 25 32 40 50 63 mm
- Working Temperature: 0-300degree
- Power: 220-240V, 50/60Hz, 1000W
- Digital display

- Model: HL110
- Size: DN75 90 110 mm
- Working Temperature: 0-300degree
- Power: 220-240V, 50/60Hz, 2000W

### Ordering Information

Catalog No.	Description
6011020	HL63-A1 complete set, 220V/50Hz
6011120	HL63-B1 complete set, 220V/50Hz
6011220	H63-C1 complete set, 220V/50Hz
6011320	HL110 complete set, 220V/50Hz

