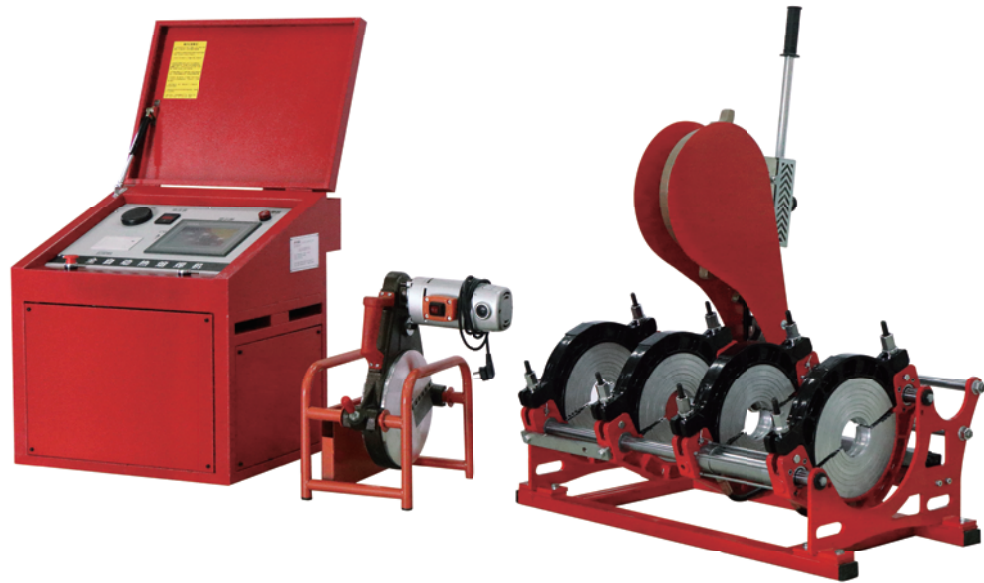




Plastic Welding

Chapter 9

Automatic Welding Machine



HL-200A

Product Description

- Suitable for thermoplastic pipes or fittings made of PE PPR PB PVDF for field operation or in workshop.
- GPS locator, full working record printing.
- Automatic setting of temperature, pressure, time.
- Consists of basic frame, control box, planning tool, separate heating plate, steel stand, etc.
- Made of light weight and high strength cast aluminum.

Specifications

Catalog No.	5091010	5091110	5091210	5091310	5091410	5091510
Model	HL-200A	HL-250A	HL-315A	HL-400A	HL-450A	HL-630A
Fusion Range	DN (mm):90/110/ 125/140/160/180/200	DN (mm):90/110/ 125/140/160/180/ 200/225/250	DN (mm):90/110/ 125/140/160/180/200 /225/250/280/315	DN (mm): 250/280/ 315/355/400	DN (mm): 280/315/ 355/400/450	DN (mm): 400/450/ 500/560/630
Auto Temperature control	220-250°C					
Applicable Material	PE PP PB PVDF					
Input Voltage	220V			380V 3-phase		
Heating Plate Power	1.8KW	2.5KW	3.0KW	4.5KW	5.0KW	9.0KW
Planning tool Power	0.75KW	0.75KW	0.75KW	0.75KW	0.75KW	1.5KW

Hand-Rotating Butt Welding Fusion Machine(Y type)

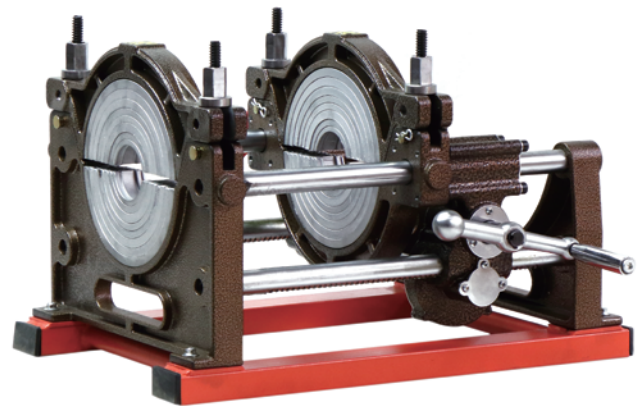
HL-200Y2



Heating Plate



Planning Tool



Product Description

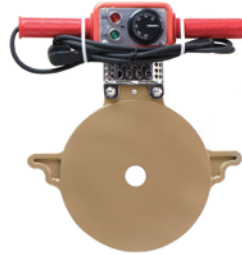
- Suitable for thermoplastic pipes or fittings made of PE PPR PB PVDF for field operation or in workshop.
- Consists of basic frame, planning tool, separate heating plate, steel stand, etc.
- Made of light weight and high strength material.
- Labor saving and high efficient.
- The main accessories of 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

Catalog No.	5011310	5011410	5011510
Model	HL-160Y2	HL-200Y2	HL-250Y2
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
Heating Plate Max Temp	270°C		
Temperature Deviation	± 3°C		
Operation Temperature	220°C		
Pressure Adjustable Range	0-6.3Mpa		
Applicable Material	PE PP PB PVDF		
Input Voltage	220V		
Heating Plate Power	1.5KW	1.8KW	2.3KW
Planning tool Power	1.0KW	1.0KW	1.1KW
G.W.	52KGS	58KGS	95KGS
Package Size	575×500×526MM	645×538×545MM	

Hand-Rotating Butt Welding Fusion Machine(Y type)

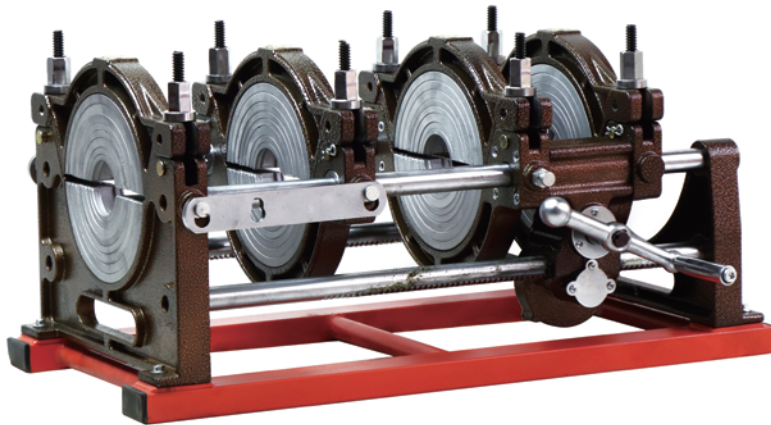
HL-200Y4



Heating Plate



Planning Tool



Tool box

Specifications

Catalog No.	5011010	5011110	5011210
Model	HL-160Y4	HL-200Y4	HL-250Y4
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
Heating Plate Max Temp	270°C		
Temperature Deviation	±3°C		
Operation Temperature	220°C		
Pressure Adjustable Range	0-6.3Mpa		
Applicable Material	PE PP PB PVDF		
Input Voltage	220V		
Heating Plate Power	1.5KW	1.8KW	2.3KW
Planning tool Power	1.0KW	1.0KW	1.1KW
G.W.	60KGS	66KGS	105KGS
Package Size	780×479×535MM	784×530×532MM	935×610×642MM

Hand-Rotating Butt Welding Fusion Machine (D type)

HL-200D2



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.
- This type of machine is driven by rack, a metal guide rod with teeth, labor saving and conveniently operated.

Specifications

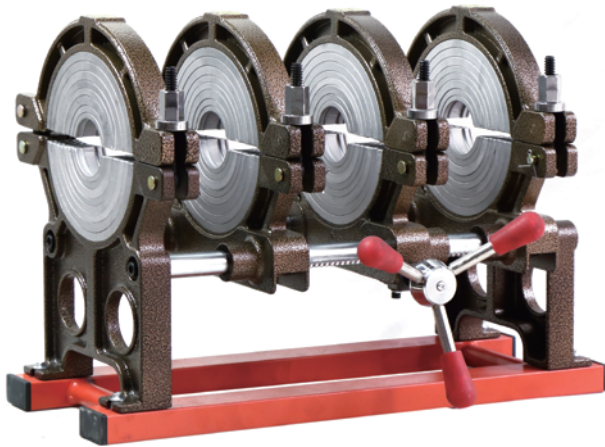
Catalog No.	5021210	5021310
Model	HL-160D2	HL-200D2
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200
Heating Plate Max Temp	270°C	
Temperature Deviation	±3°C	
Operation Temperature	220°C	
Pressure Adjustable Range	0-6.3Mpa	
Applicable Material	PE PP PB PVDF	
Input Voltage	220V	
Heating Plate Power	1.5KW	1.8KW
Planning tool Power	0.68KW	0.68KW
G.W.	35KGS	40KGS
Package Size	500×550×440MM	555×555×555MM

Hand-Rotating Butt Welding Fusion Machine (D type)

HL-200D4



Tool box



Heating Plate



Planning Tool

Specifications

Catalog No.	5021010	5021110
Model	HL160D4	HL200D4
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200
Heating Plate Max Temp	270°C	
Temperature Deviation	±3°C	
Operation Temperature	220°C	
Pressure Adjustable Range	0-6.3Mpa	
Applicable Material	PE PP PB PVDF	
Input Voltage	220V	
Heating Plate Power	1.5KW	1.8KW
Planning tool Power	0.68KW	0.68KW
G.W.	45KGS	50KGS
Package Size	550×450×465MM	710×500×510MM

Hand-Pushing Butt Welding Fusion Machine



Heating Plate

HL-200T2



Planning Tool



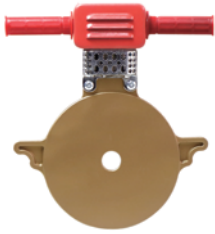
Product Description

- Suitable for PP, PB, PE, PVDF pipes.
- Consists of basic frame, planning tool, separate heating plate, steel stand, etc.
- 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 operational for special pipes.

Specifications

Catalog No.	5031310	5031110
Model	HL-160T2	HL-200T2
Fusion Range	DN (mm): 63 75 90 110 125 140 160	DN (mm): 63 75 90 110 125 140 160 180 200
Heating Plate Max Temp	270°C	
Temperature Deviation	±3°C	
Operation Temperature	220°C	
Pressure Adjustable Range	0-6.3Mpa	
Applicable Material	PE PP PB PVDF	
Input Voltage	220V	
Heating Plate Power	1.5KW	1.8KW
Planning tool Power	0.68KW	0.68KW
G.W.	40KGS	45KGS
Package Size	575×500×525MM	580×550×490MM

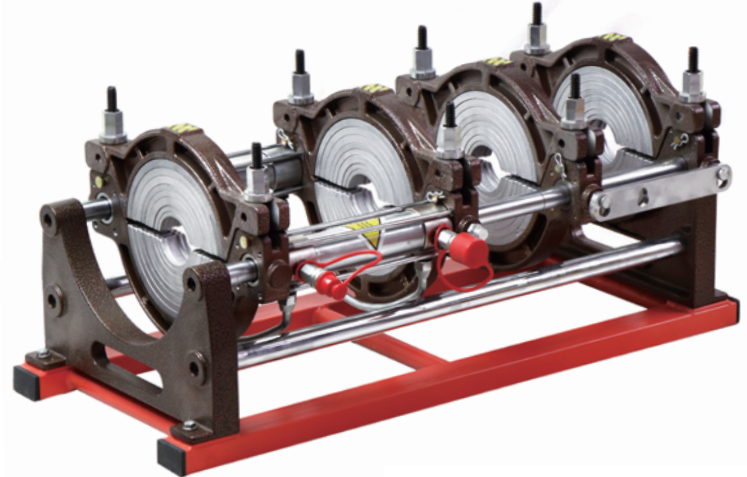
Hydraulic Butt Welding Fusion Machine



Heating Plate



Planning Tool



HLY-200

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).

Specifications

Catalog No.	5041011	5041111	5041210	5041310	5041410
Model	HLY-160	HLY-200	HLY-250	HLY-315	HLY-355
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): 160 180 200 225 250 280 315 355
Heating Plate Max Temp	270°C				
Temperature Deviation	± 5°C			± 7°C	
Operation Temperature	220°C				
Pressure Adjustable Range	0-6.3Mpa				
Applicable Material	PE PP PB PVDF				
Input Voltage	220V				
Heating Plate Power	1.5KW	1.8KW	2.3KW	3.1KW	3.5KW
Planning tool Power	1.0KW	1.0KW	1.1KW	1.1KW	1.1KW
Hydraulic Station Power	0.75KW	0.75KW	0.75KW	0.75KW	0.75KW
Package Size(basic frame)	885×475×570MM	885×522×565MM	940×580×500MM	1060×640×560MM	
Package Size(hydraulic unit)	565×482×500MM	565×482×500MM	820×560×640MM	730×650×710MM	
Total G.W. (KGS)	115KGS	120KGS	150KGS	200KGS	225KGS

Hydraulic Butt Welding Fusion Machine

HLY-450



Heating Plate



Planning Tool



Tool box



Specifications

Catalog No.	5041510	5041511	5041610	5041710	5041810
Model	HLY-400		HLY-450	HLY-500	HLY-630
Fusion Range	225 250 280 315 355 400		280 315 355 400 450	280 315 355 400 450 500	400 450 500 630
Heating Plate Max Temp	270°C				
Temperature Deviation	±3°C				
Operation Temperature	220°C				
Pressure Adjustable Range	0-8.0Mpa				
Applicable Material	PE PP PB PVDF				
Input Voltage	220V	380V	380V	380V	380V
Heating Plate Power	6.5KW		6.5KW	6.5KW	9.2KW
Planning tool Power	1.1KW		1.1KW	1.1KW	1.5KW
Hydraulic Station Power	0.75KW		1.5KW	1.5KW	1.5KW
Package Size(basic frame)	1180×670×740MM		1190×750×810MM	1200×800×870MM	1380×945×1010MM
Package Size(hydraulic unit)	940×480×760MM		920×570×770MM	1010×480×755MM	960×570×775MM
Package Size(Accessories)	870×560×1010MM		903×620×1122MM	900×620×109MM	940×655×1280MM
Total G.W. (KGS)	374KGS		400KGS	459KGS	640KGS

Automatic Multifunction Electrofusion Machine (for PE)

HL-315E



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

Catalog No.	5051110	5051010
Model	HL-200E	HL-315E
Fusion Range	20-200mm	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 -50°C	
Relative Humidity	≤80%	
Time Adjusting Range	1-9999 seconds	
Package Size	535×300×370MM	
G.W. (KGS)	22.2KGS	27.9KGS
Optional	Scanner	
	Card reader	