



# POLYTEKH UNIVERSAL

## POLYETHYLENE PIPE WELDING MACHINE





### POLYETHYLENE PIPE BUTT WELDING MACHINE



#### Technical Features

Welding range :

**Ø 40 mm - Ø 160 mm**  
(Ø 40 mm, Ø 50 mm, Ø 63 mm, Ø 75 mm,  
Ø 90 mm, Ø 110 mm, Ø 125 mm,  
Ø 140 mm, Ø 160 mm.)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 16**

Heater electric power : **230 V – 1500 W**

Trimmer electric power : **230 V – 810**

Electricity system : Monafaze ( Single Phase )

Total electricity consumption : **2,3 kW**

Suitable generator power : **4 kVA**

**Price : \$ 1.390,00 / Set**

### POLY ETHYLENE PIPE BUTT WELDING MACHINE

#### Technical Features



Welding range:

**Ø 40 mm - Ø 160 mm**

(Ø 40 mm, Ø 50 mm, Ø 63 mm, Ø 75 mm,  
Ø 90 mm, Ø 110 mm, Ø 125 mm,  
Ø 140 mm, Ø 160 mm.)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 16**

Heater electric power : **230 V – 1500 W**

Trimmer electric power : **230 V – 810 W**

Electricity system : Monafaze ( Single Phase )

Total electricity consumption : **2,3**

Suitable generator power : **4 kVA**

**Fiyat / Price : \$ 1. 545,00 / Set**

### POLYETHYLENE PIPE BUTT WELDING MACHINE



#### Technical Features

Welding range :

**Ø 63 mm - Ø 160 mm**

(Ø 63 mm, Ø 75 mm, Ø 90 mm,  
Ø 110 mm, Ø 125 mm,  
Ø 140 mm, Ø 160 mm.)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **230 V – 1500 W**

Trimmer electric power : **230 V – 750 W**

Hydraulic unit electric power: **230 V - 550 W**

Electricity system : Monafaze ( Single Phase )

Total electricity consumption : **2,8 kW**

Working pressure : 100 Bar

Suitable generator power : **4,2 kVA**

**Price : \$ 2. 570,00 / Set**

### POLYETHYLENE PIPE BUTT WELDING MACHINE



#### Technical Features

Welding range : **Ø 75 mm - Ø 250 mm**  
(Ø 75 mm, Ø 90 mm, Ø 110 mm,  
Ø 125 mm, Ø 140 mm, Ø 160 mm,  
Ø 180 mm, Ø 200 mm, Ø 225 mm, Ø 250.)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **230 V – 2,8 kW**

Trimmer electric power : **230 V – 750**

Electricity system : **Monafaze ( Single Phase**

Total electricity consumption : **4,1 kW**

Working pressure: **120 Bar**

Suitable generator power : **6,5 kVA**

**Price : \$ 4. 550,00 / Set**

### POLYETHYLENE PIPE BUTT WELDING MACHINE



#### Technical Features

Welding range:

**Ø 90 mm - Ø 315 mm**

(Ø 90 mm, Ø 110 mm, Ø 125 mm, Ø 140 mm,  
Ø 160 mm, Ø 180 mm, Ø 200 mm, Ø 225mm,  
Ø 250 mm, Ø 280 mm, Ø 315 mm)

Suitable for welding of materials : **Polietilen ve Polipropilen**

)  
Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **230 V – 3,5 kW**

Trimmer electric power : **230 V – 750 W**

Hydraulic Unit Electric Power: **230 V - 550 W**

Electricity system : **Monafaze ( Single Phase )**

Total electricity consumption : **4,8 kW**

Working pressure : **120 Bar**

Suitable Generator Power : **8,0 kVA**

**Price : \$ 5. 550,00 / Set**



### POLYETHYLENE PIPE BUTT WELDING MACHINE

#### Technical Features



/ Welding range : Ø 6 " - Ø 20"  
(Ø 6" , Ø 8" , Ø 10" ,  
Ø 12" , Ø 16" , Ø 20" .)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **380 V – 5,5 kW**

Trimmer electric power : **380 V – 1,1 kW**

Hydraulic unit electric power: **380 V - 550 W**

Electricity system : Trifaze ( Triple Phase )

Total electricity consumption : **7,15 kW**

Working pressure: **130 Bar**

Suitable generator power : **12.0 kVA**





### POLYETHYLENE PIPE BUTT WELDING MACHINE

#### Technical Features

Welding range : **Ø 315 mm - Ø 630 mm**  
(Ø 315 mm, Ø 355 mm, Ø 400 mm,  
Ø 450 mm, Ø 500 mm,  
Ø 560 mm, Ø 630 mm)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall Thickness for welding ( Pressure Rating) : **PN 32**

Heater Electric Power : **380 V – 7,5 kW**

Trimmer Electric Power : **380 V – 1,5 kW**

Hydraulic Unit Electric Power: **380 V - 750 W**

Electricity System : Trifaze ( Triple Phase )

Total Electricity Consumption : **9,75**

Working Pressure : **150 Bar**

Suitable Generator Power : **16,0 kVA**

**Price : \$ 9. 310,00 / Set**

### POLYETHYLENE PIPE BUTT WELDING MACHINE



#### Teknik Özellikler / Technical Features

Welding range : **Ø 500 mm - Ø 800 mm**  
(Ø 500 mm, Ø 560 mm, Ø 630 mm,  
Ø 710 mm, Ø 800 mm)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **380 V – 10,0 kW**

Trimmer electric power : **380 V – 1,5 W**

Hydraulic unit electric power : **380 V - 750 W**

Electricity system : Trifaze ( Triple Phase )

Total electricity consumption : **12,25**

Working pressure: **160 Bar**

Suitable generator power : **21.0 kVA**

**Price : \$ 19. 290,00 / Set**

### POLYETHYLENE PIPE BUTT WELDING MACHINE

#### Technical Features

Welding range:

**Ø 710 mm - Ø 1000 mm**

(Ø 710 mm, Ø 800 mm,  
Ø 900 mm, Ø 1000 mm)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall Thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **380 V – (2x7,5) kW**

Trimmer electric power : **380 V – 2,2 kW**

Hydraulic unit electric power: **380 V - 2,2**

Electricity system : Trifaze ( Triple Phase )

Total electricity consumption : **20,0 kW**

Working pressure : **160 Bar**

Suitable generator power : **32,0 kVA**



**Price : \$ 33. 760,00 / Set**

### POLYETHYLENE PIPE BUTT WELDING MACHINE



#### Technical Features

Welding range:

**Ø 800 mm - Ø 1200 mm**

(Ø 800 mm, Ø 900 mm,  
Ø 1000 mm, Ø 1200 mm.)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **380 V – (2x7,5) kW**

Trimmer electric power : **380 V – 3,0 kW**

Hydraulic unit electric power : **380 V - 2,2 kW**

Electricity system : Trifaze ( Triple Phase )

Total electricity consumption : **20,0 kW**

Working pressure: **160 Bar**

Suitable generator power : **32,0 kVA**

**Price : \$ 38. 600,00 / Set**

## POLYETHYLENE PIPE BUTT WELDING MACHINE

### Technical Features

Welding range :

**Ø 1200 mm - Ø 1600 mm**  
(Ø 1200 mm, Ø 1400, Ø 1600 mm.)

Suitable for welding of materials : **Polietilen ve Polipropilen**

Maximum wall thickness for welding ( Pressure Rating) : **PN 32**

Heater electric power : **380 V – (2x12,0) Kw**

Trimmer electric power : **380 V – 4,0 kW**

Hydraulic unit electric power: **380 V - 3,0kW**

Electricity system : Trifaze ( Triple Phase )

Total electricity consumption : **31,0kW**

Working pressure : **160 Bar**

Suitable generator power : **50,0 kVA**



**Price: Ask For Price**

# Manual Welding Extruder

## Technical Features



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### Technical Features

Welding Range	: 1,8 - 2,1 Kg/h Ø 3-4 mm
Material	: PE/PP
Weight	: 7,250 Kg
Lenght	: 570 mm
Electronic Speed Control	: Yes
Hot Air Blower	: 2600 W
Voltage	: 220 V

**Price : \$ 3. 055,00 / Set**



TECHNICAL DATA		AL-160/ALD-160	ALH 160	AL-250	AL-315	AL-500	AL-630	AL-800	AL-1000	AL-1200	AL-1600
Number of Box (Total)		ADET	1	1	1	1	1	2	3	4	5
Base Machine	cm/Ad	63cmx78cmx62cm	80cmx80cmx65	103cmx103cmx79cm	103cmx113cmx88cm	108cmx163cmx125cm	126cmx163cmx133	114cmx120cmx120cm	120cmx175cmx150cm	150cmx180cmx150cm	225cmx218cmx235cm
Box	Trimer	cm/Ad	-				77cmx124cmx149	162cmx80cmx142cm	88cmx164cmx180cm	90cmx181cmx189cm	100cmx185cmx207cm
Dimensions	Panel	cm/Ad	-					62cmx92cmx92cm	88cmx80cmx109cm	88cmx80cmx109cm	88cmx80cmx109cm
Apparatus		cm/Ad	-						60cmx112cmx66cm	70cmx130cmx70cm	165cmx145cmx45cm
											165cmx145cmx45cm
Base Machine	kg.	69	56	75	97	187	267	443	1190	1257	1786
Apparatus	kg.		10	21	37	77	133	204	200	200	302
Redüksiyon Aparatı	kg.	-		5	10	13	19	30	60	69	
Trimmer	kg.	-	13	25	39	57	96	144	270	330	439
Heater	kg.	-	4,5	10	12	24	41	70	90	136	349
Panel	kg.	-	36	47	47	47	50	50	120	143	143
Trimmer and Heating Cabin	kg.	-		9	14	24	43	69	98	120	146
Net Weight	kg.	69	102	192	256	429	649	976	2033	2186	3165
Gross Weight	kg.	79	110	253	316	540	783	1026	2281	2612	3198
Max. Wall Thickness		16	32	32	32	32	32	32			
Heater	V-W	230 V - 1500 W	230 V - 1500 W	230 V - 2800 W	230 V - 3500 W	380 V - 5500 W	380 V - 7500 W	380 V - 10000W	380 V - 2x7500 W	380 V - 7500 W	380 V - 2x12000 W
Trimmer	V-W	230 V - 810 W	230 V-0.75 kW	230 V - 0.75 kW	230 V - 0.75 kW	380 V - 1.1 kW	380 V - 1.5 kW	380 V 1.5 kW	380 V - 2.2 kW	380 V - 3 kW	380 V - 4 kW
Hydraulic Unit	W-kW		230 V-0.55 kW	230 V - 0.55 kW	230 V - 0.55 kW	380 V - 0.55 kW	380 V - 0.75 kW	380 V - 0.75 kW	380 V - 2.2 kW	380 V - 2.2 kW	380 V - 3 kW
System Feature		230(Monofaze)	230(Monofaze)	230 ( Monafaze )	230 V ( Monafaze )	380 V (Trifaze )	380 V Trifaze	380 V Trifaze	380 V Trifaze	380 V Trifaze	380 V Trifaze
Working Pressure	P	-	100 Bar	120 Bar	120 Bar	130 Bar	150 Bar	160 Bar	160 Bar	160 Bar	160 Bar
Total	kW	2.3	2.6	4,1	4.8 Mon.	7.15	9.75	12.25	20	20	31
Jenerator	kVA	4	4.2	6,5	8	12	16	21	32	32	50
Trifaze	3faz					√	√	√	√	√	√
Monofaze	1 faz	√	√	√	√						
		1	1	4	5	5	5	4	4	4	6
		63cmx78cmx62cm	80cmx80cmx65cm	61cmx88cmx59cm 44cmx62cmx69cm 42cmx51cmx55cm 29cmx50cmx24cm	68cmx87cmx67cm 48cmx66cmx80cm 42cmx51cmx55cm 36cmx42cmx20cm 36cmx42cmx20cm	87cmx108cmx89cm 48cmx83cmx102cm 42cmx51cmx55cm 40cmx60cmx29cm 40cmx60cmx29cm	106cmx163cmx110cm 60cmx100cmx127cm 42cmx51cmx55cm 48cmx68cmx42cm 48cmx68cmx42cm	114cmx120xcm120cm 64cmx95cmx138cm 62cmx92cmx92cm 42cmx51cmx55cm	120cmx175cmx150cm 88cmx164cmx180cm 88cmx80cmx109cm 60cmx112cmx66cm	150cmx180cmx150cm 90cmx181cmx189cm 88cmx80cmx109cm 70cmx130cmx70cm	225cmx218cmx184cm 100cmx185cmx207cm 88cmx80cmx109cm 165cmx145cmx45cm 165cmx145cmx45cm 100cmx200cmx25cm
		0,304	0,416	0,657	0,828	1,499	3,054	3,123	6,958	8,533	16,275
		0,304	0,416	0,838	1,024	2,2	4,154	4,006	6,958	8,533	18,276



