

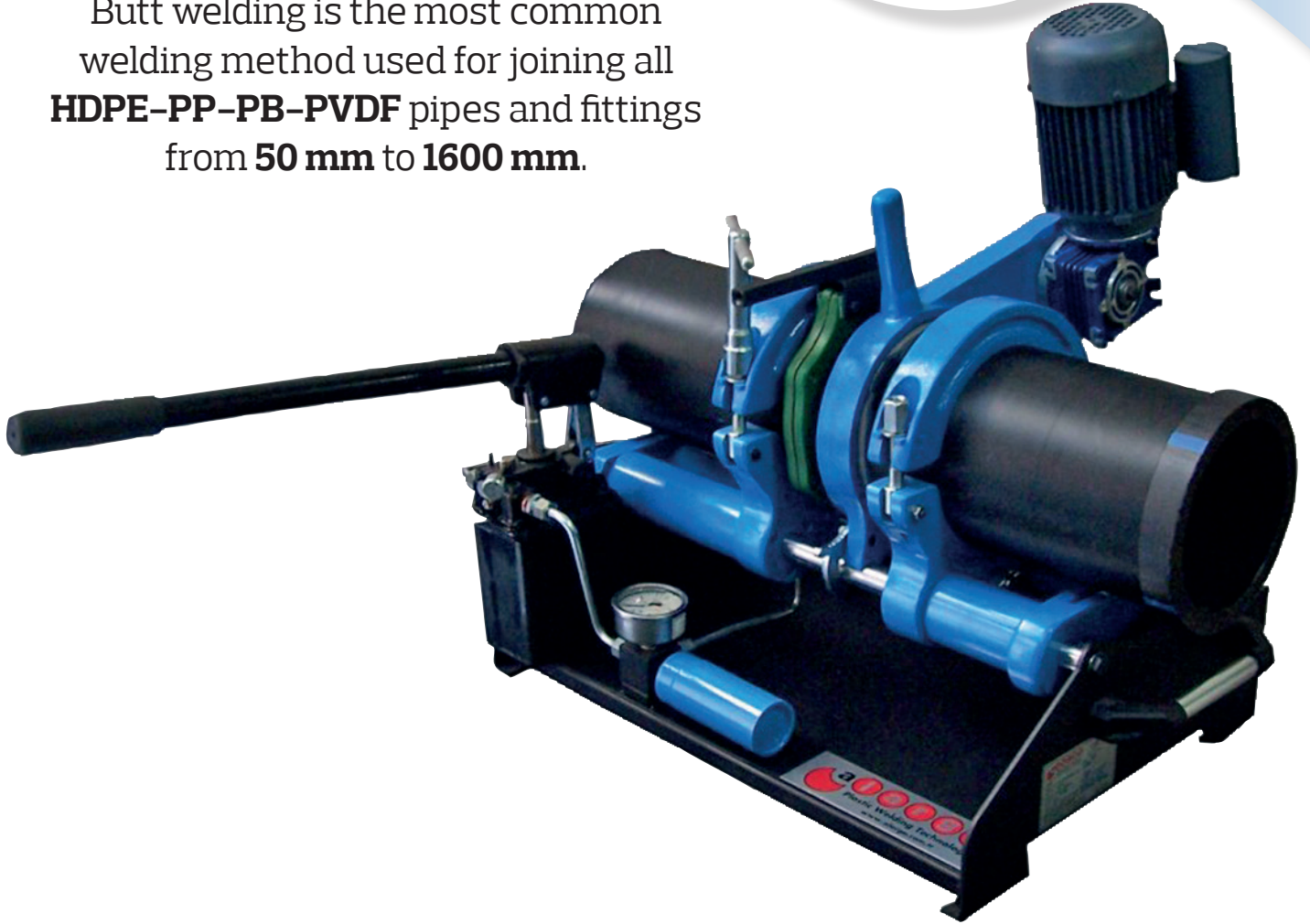


**a l a r g e**

**AGILE, ROBUST,  
SMART LAB SYSTEM.  
SUSTAINABILITY AND RESILIENCE.**

## **BUTT WELDING MACHINE**

Butt welding is the most common welding method used for joining all **HDPE-PP-PB-PVDF** pipes and fittings from **50 mm** to **1600 mm**.



**+90 212 924 56 52**

**[www.alarge.com.tr](http://www.alarge.com.tr)**

**ALARGE ALIÇ AĞACI MAK. ELEK. AR-GE SAN. TİC. LTD. ŞTİ.**

Çifte Havuzlar Mah. Eski Londra Asfaltı Cd. YTÜ Teknopark D2 Blok No: 2B01 Davutpaşa - İstanbul/TÜRKİYE

**Fax:** +90 212 278 61 33 **Mail:** info@alarge.com.tr

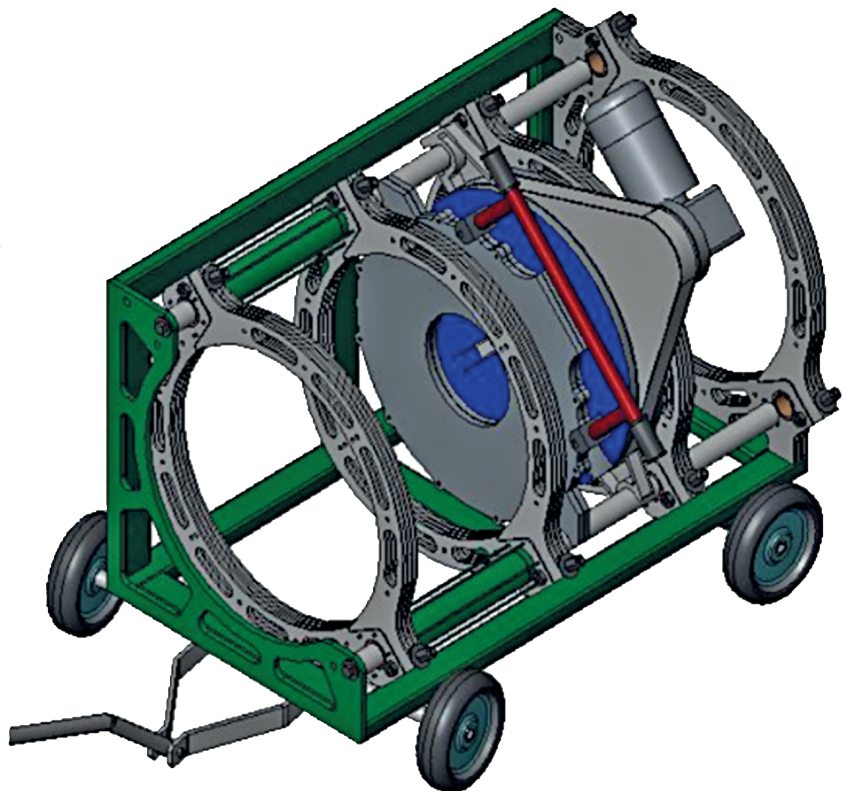
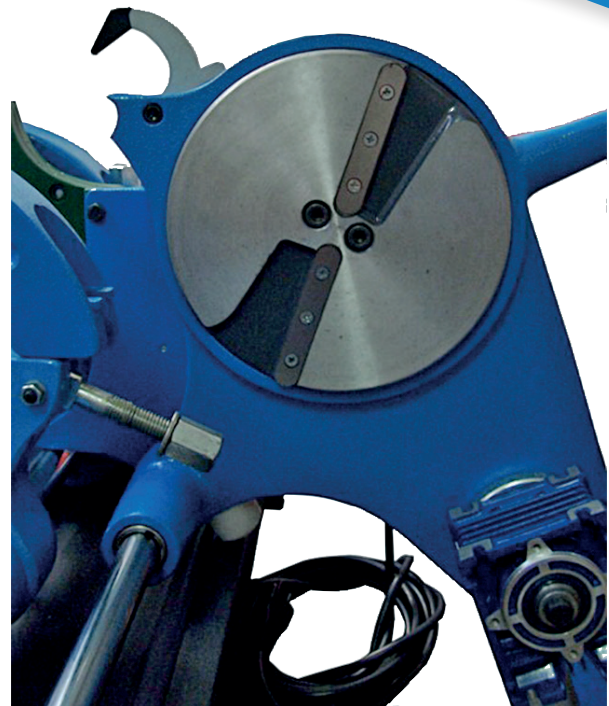
# BUTT WELDING MACHINE

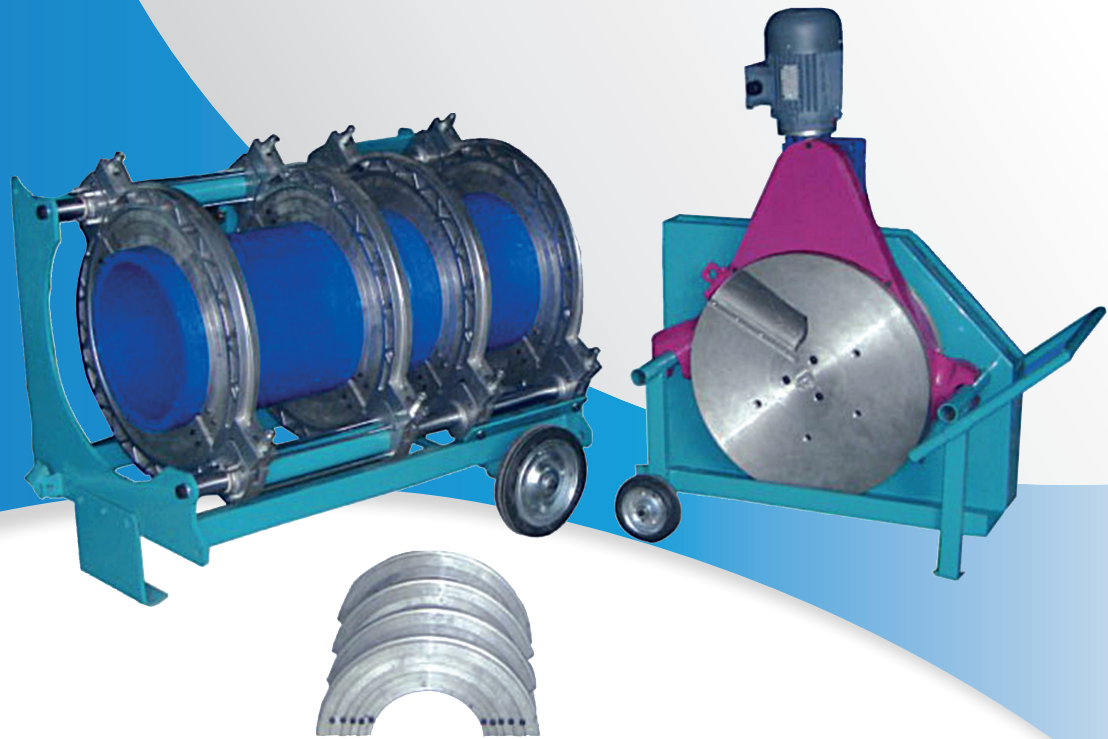
## TECHNICAL SPECIFICATIONS

Butt Welding Machines generally consist of 5 main parts:

- ✓ Piston and Shaft
- ✓ Jaw Group
- ✓ Trimmer
- ✓ Heater
- ✓ Chassis

The shafts are mounted on the chassis. Jaw groups and threads are placed on the spindle system and their moving parts move on the spindle. The trimmer and heater are freely connected to the chassis and can be transported if necessary.



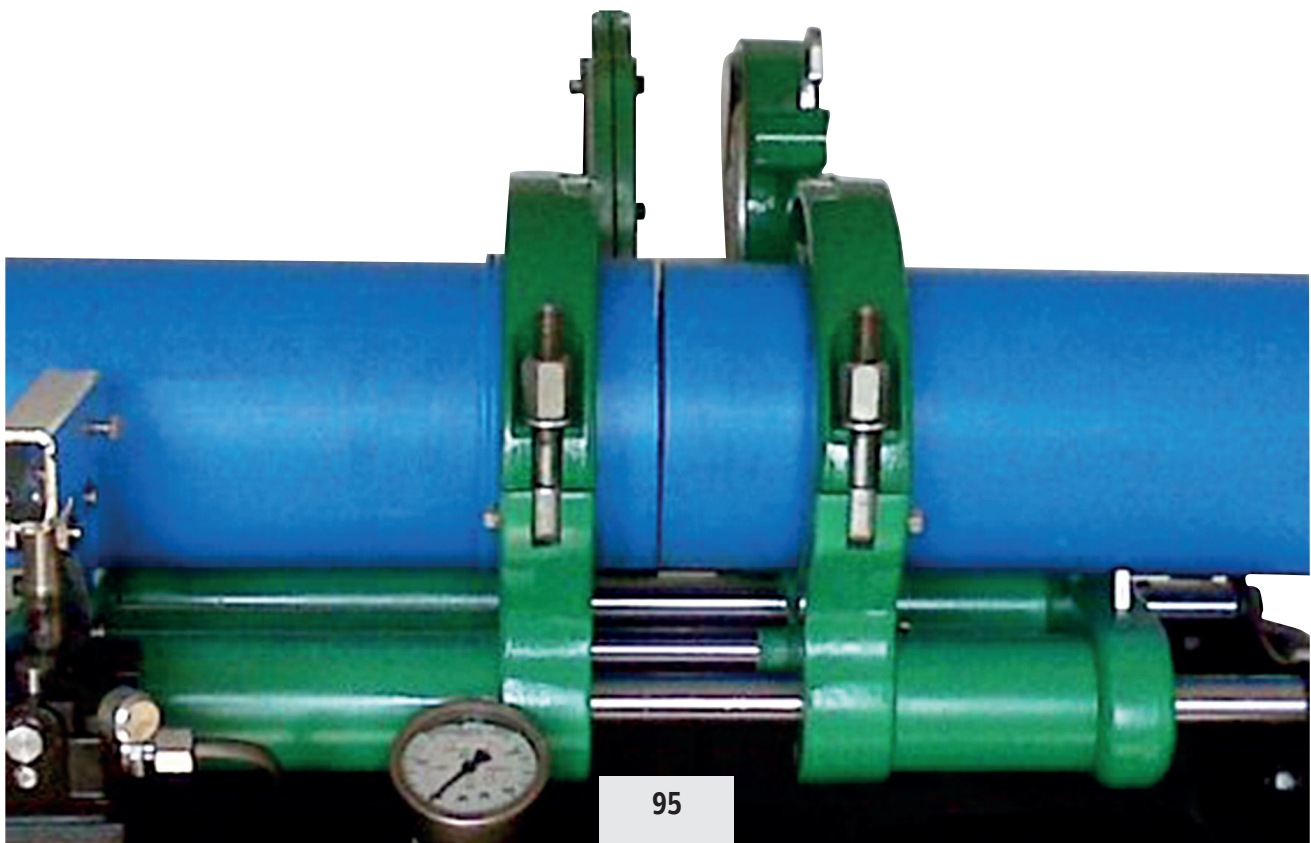


## BUTT WELDING MACHINE TRIMMER

It prepares the pipes for heating by cleaning the forehead of the pipes fixed and centered on the main body with two rotating blades on the right and left sides and the cutting blades on these blades.

## BUTT WELDING MACHINE HEATER

By heating the pipe butt surfaces with the heating plate, the pipe butt surfaces, which were brought to the necessary roughness by the trimming process, are prepared for the joining process. The digital heat setting thermostat on the heater plate is used to adjust the heater's temperature.



# BUTT WELDING MACHINE

## TECHNICAL SPECIFICATIONS

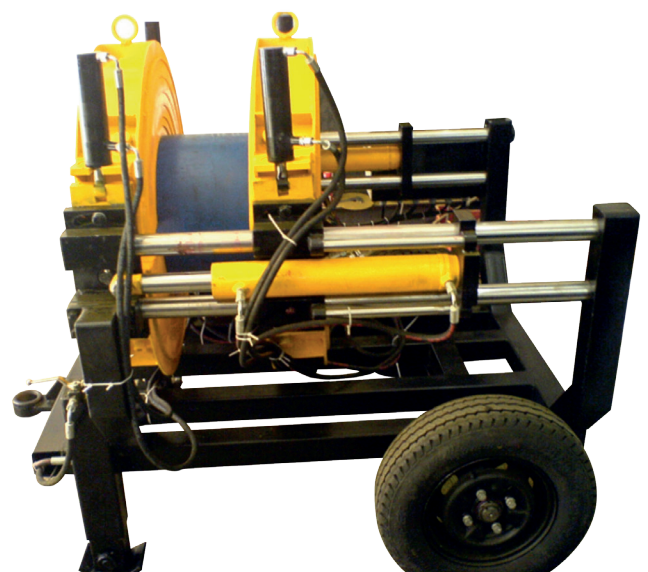


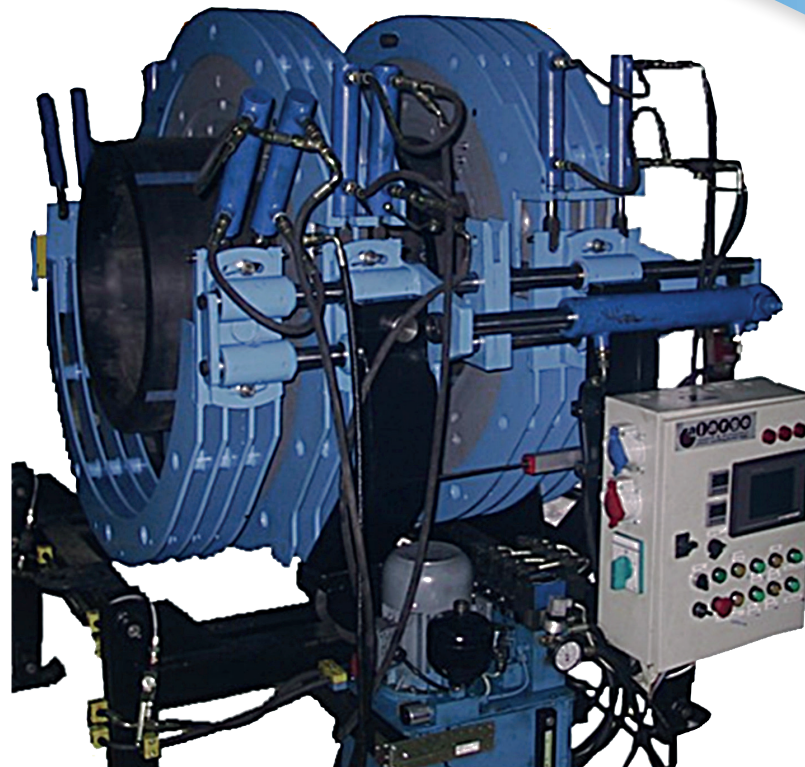
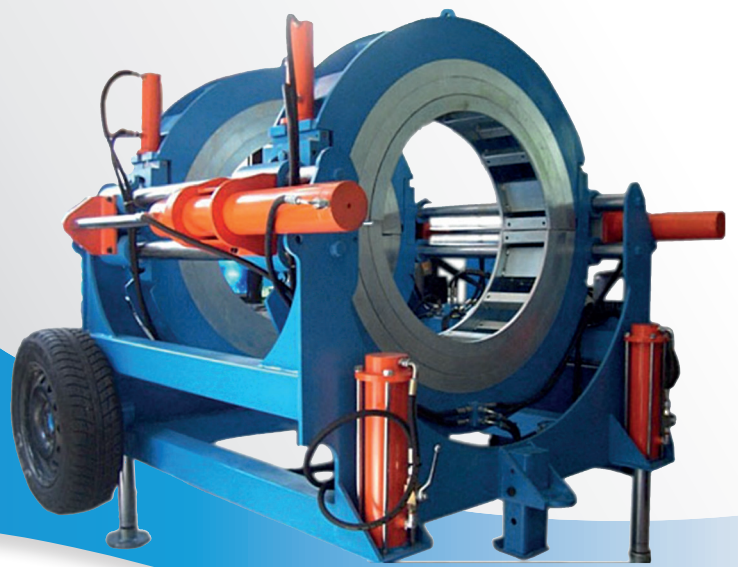
- ✓ Remote button controlled
- ✓ Digital controlled heater
- ✓ Digital pressure gauge
- ✓ Ease of axing thanks to hydraulically tightened threads
- ✓ Easy to use in the field with adjustable hydraulic feet

## AL 1000

### TECHNICAL SPECIFICATIONS

MODEL	AL 1000
Material	HDPE - PP - PB - PVDF
Working Range	Ø500 mm - Ø1000 mm
Hydraulic Unit Electric Power	380 V, 2.200 W
Trimmer Electric Power	380 V, 3.000 W
Heater Electric Power	380 V, 15.000 W
Total Electricity Consumption	20.200 W
Working Temperature	180° - 280° C
Operating Pressure	0 - 200 bar
ANGLE AND BUTT WELDING OPTIONS	





## AL 1200

### TECHNICAL SPECIFICATIONS

MODEL	AL 1200
Material	HDPE - PP - PB - PVDF
Working Range	Ø710 mm - Ø1200 mm
Hydraulic Unit Electric Power	380 V, 2.200 W
Trimmer Electric Power	380 V, 3.000 W
Heater Electric Power	380 V, 16.000 W
Total Electricity Consumption	21.200 W
Working Temperature	180° - 280° C
Operating Pressure	0 - 250 bar
ANGLED WELDING 2 CLAMPS OPTIONAL	
BUTT WELDING 4 CLAMPS OPTIONAL	

# BUTT WELDING MACHINE

## TECHNICAL SPECIFICATIONS



## OTHER MODELS

### TECHNICAL SPECIFICATIONS

MODEL	AL 500	AL 630	AL 800
Malzeme	HDPE - PP - PB - PVDF	HDPE - PP - PB - PVDF	HDPE - PP - PB - PVDF
Çalışma Aralığı	Ø180 mm - Ø500 mm	Ø315mm - Ø630 mm	Ø500 mm - Ø800 mm
Hidrolik Sistem	3800 V, 550 W	220 V, 550 W	380 V, 750 W
Tıraşlayıcı	380V, 1100 W	220 V, 1200 W	380 V, 1500 W
Isıtıcı	380 V, 5500 W	220 V, 1500 W	380 V, 10.000 W
Toplam Güç	7150 W	9750 W	9750 W
Çalışma Sıcaklığı	180° - 280° C	180° - 280° C	180° - 280° C
Basınç Çalışma Aralığı	0 - 150 bar	0 - 150 bar	0 - 200 bar



## **BUTT WELDING MACHINE HOUSING BOX**

The trimer supports the heater and shields it from outside influences, while the support box stops the heater from losing heat (impact, water, etc.).

## **BUTT WELDING MACHINE CONTROL UNIT**

Electric and hydraulic control unit; It transmits the electricity required for the operation of the machine to the heater and trimmer and the hydraulic pressure to the main machine.

[www.alarge.com.tr](http://www.alarge.com.tr)

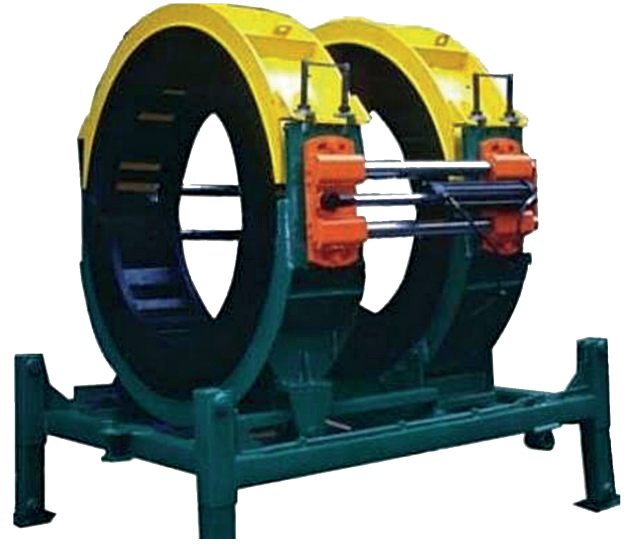
+90 212 924 56 52



## AL 1600

### TECHNICAL SPECIFICATIONS

MODEL	AL 1600
Material	HDPE - PP - PB - PVDF
Working Range	Ø1000 mm - Ø1600 mm
Hydraulic Unit Electrical Power	380 V, 3.000 W
Trimmer Electric Power	380 V, 4.000 W
Heater Electric Power	380 V, 24.000 W
Total Electricity Consumption	31.000 W
Working Temperature	180° - 280° C
Operating Pressure	0 - 250 bar
ANGLED WELDING 2 CLAMPS OPTIONAL	
BUTT WELDING 4 CLAMPS OPTIONAL	



## OTHER MODELS

### TECHNICAL SPECIFICATIONS

MODEL	AL 160	AL 250	AL 315
Malzeme	HDPE - PP - PB - PVDF	HDPE - PP - PB - PVDF	HDPE - PP - PB - PVDF
Çalışma Aralığı	Ø50 mm - Ø160 mm	Ø75 mm - Ø250 mm	Ø90 mm - Ø315 mm
Hidrolik Sistem	220 V, 550 W	220 V, 550 W	380 V, 550 W
Tıraşlayıcı	220 V, 1200 W	220 V, 1200 W	380 V, 750 W
Isıtıcı	220 V, 1500 W	220 V, 1500 W	380 V, 3.500 W
Toplam Güç	3250 W	3250 W	4800 W
Çalışma Sıcaklığı	180° - 280° C	180° - 280° C	180° - 280° C
Basınç Çalışma Aralığı	0 - 150 bar	0 - 150 bar	0 - 150 bar

