

lucidfusion

It welds which never fails

BUTTFUSION WELDING EQUIPMENT



Welding Solutions For Performance & Productivity



Tejas Industries

About Us :

With a mission to become the prime source of various Butt Fusion Welding Equipment, Tejas Industries began its journey in 1998. Our company is identified as the leading manufacturer and exporter of various world class welding equipment. The product assortment we offer consists of Butt Fusion Welding Machine, Butt Fusion Heating Plates, Extruders, HDPE & PP pipe fittings & many other Accessories. These machines are available in various sizes and industry-specific sizes. They are highly appreciated by the clients for qualities featuring High Efficiency, Advance in Technology, Outstanding Performance, Easy Installation, Light Weight, and Low Maintenance.

We have installed state-of-the-art machines at our units that are helpful in fabricating technologically advanced products in compliance with industrial norms of quality. Using the same, our team of qualified engineers and skilled professionals develop products as per the market demands. Herein, we use superior raw materials such as casted aluminum, iron, plastic, etc. which assure high strength and durability to the structure. Our premium grade products have enabled us to garner maximum number of clients from national and international markets.

Our Vision :

We are serving a number of well known clients all over the world with our preset vision. Our vision is to achieve the highest quality standards in all manufactured products. All the machines and equipment must give excellent performance. Understanding our valued customer's budget affordability, we deliver them products at very cost effective prices. Furthermore, we have involved the following into our vision

Upto the mark services to match customers expectations.

Implementing Current Trends and Technologies.

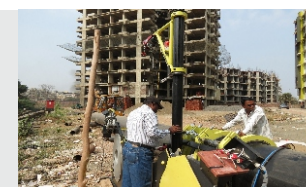
TEAM - Together Everyone Achieves More

We have recruited a team of highly qualified professionals, which helps us in carrying out the various activities of the business. These professionals have vast industry experience and expertise in the domain. They work in close proximity with one another and understand client's needs and in turn offer them products as per their requirements. Furthermore, these members are sincere and dedicated towards their work and perform the assigned tasks with efficiency. With the combined efforts of our team members, we have been serving a huge number of clients worldwide. Our team comprises the following members

- Creative designers
- R&D experts
- Craftsmen
- Quality inspectors
- Sales & marketing professionals



ISO 9001:2008 Certified

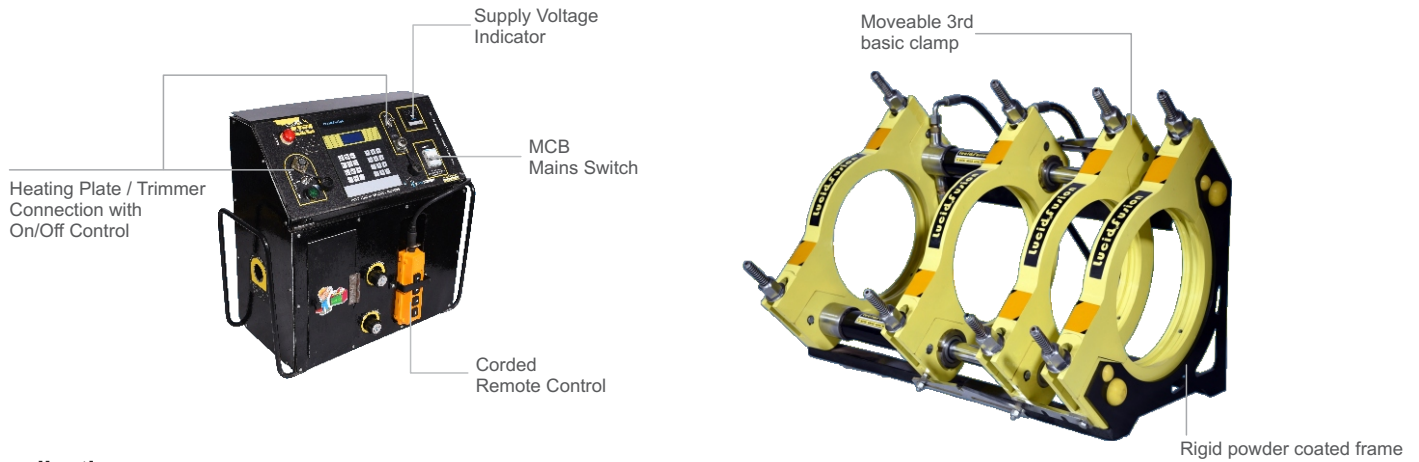


Plastic Pipe Butt Fusion Welding Machine

Intelligent Welder Series

Working Range Models : \varnothing 50 to 450 mm

Intelligent Welder Series (IWS) are PLC Based Hydraulic Butt Fusion Welding Machine which comes with completely Well Equipped Superior Quality Components to Deliver Exceptionally Well Service Life ensuring Low Maintenance and Easy Operating System.



Application :

The IWS is been designed to make the welding operations very simple for the worker at any construction building site, in pipe trenches, or in workshop.

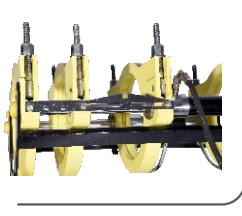
Advance Features :

- ✓ **The IWS has four high grade** aluminum casted main clamps supported by two hydraulic cylinders and hose pipes with quick couplings.
- ✓ **The IWS heating plate** comes with microprocessor based PID digital temperature controller for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings.
- ✓ **The IWS has digital pressure** indication along with two separate pressure setting valve for drag & jointing which make use of machine very easy with single time setting for same size pipe.
- ✓ **The IWS has built-in digital timers** for soaking & bead-up with loud audible & visual signal.
- ✓ **The IWS performs intelligently** during mirroring process which provides automatic pressure drop from high to low & timer from bead up time to soaking time by buzzer signal with prefix time & pressure data in PLC.

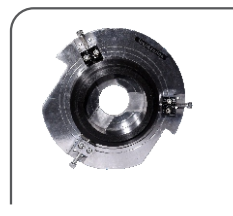
Perfect Support for trimmer & heating plate with insulated protection



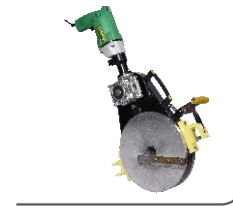
PTFE coated heating plate with PID DTC



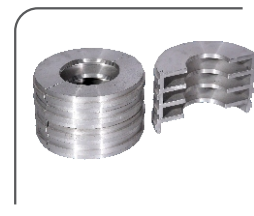
Self detaching device for heating plate



Stub end device with three jaw center welding



Light weight trimmer with fast removing system



Reduce clamp insert

Working Range with Various Model : 230V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension(") (Machine Body)	kg
IWS 160	50 - 160 mm	1 1/2 - 6"	28 x 15 x 16	34
IWS 250	110 - 250 mm	4 - 10"	28 x 19 x 21	49
IWS 315	160 - 315 mm	6 - 12"	29 x 21 x 23	65
IWS 450	200 - 450 mm	8 - 18"	29 x 26 x 27	75

Standard Composition :

Main Machine Body, Heating Plate with DTC, Trimming Unit, PLC based Electro Hydraulic Unit, Trimmer / Heating Plate Stand, Stub end Device, Reduce Clamp Inserts.
Optional : Pipe Rollers



Plastic Pipe Butt Fusion Welding Machine

Intelligent Welder Series

Working Range Models : \varnothing 315 to 1200 mm

Intelligent Welder Series (IWS) are PLC Based Hydraulic Butt Fusion Welding Machine which comes with completely Well Equipped Superior Quality Components to deliver exceptionally Well Service Life ensuring Low Maintenance and Easy Operating System.



Application :

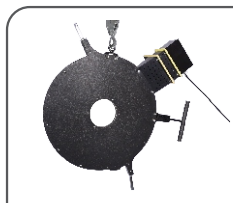
The IWS is been designed to make the welding operations very simple for the worker at any construction building site, in pipe trenches, or in workshop.

Advance Features :

- ✓ **The IWS has four high grade** aluminum casted main clamps supported by two hydraulic cylinders and hose pipes with quick couplings.
- ✓ **The IWS heating plate** comes with microprocessor based PID digital temperature controller for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings.
- ✓ **The IWS has digital pressure** indication along with two separate pressure setting valve for drag & jointing which make use of machine very easy with single time setting for same size pipe.
- ✓ **The IWS has built-in digital timers** for soaking & bead-up with loud audible & visual signal.
- ✓ **The IWS performs intelligently** during mirroring process which provides automatic pressure drop from high to low & timer from bead up time to soaking time by buzzer signal with prefix time & pressure data in PLC.



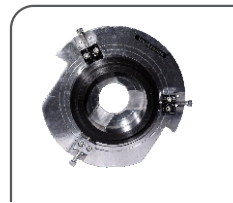
Pipe Roller Optional



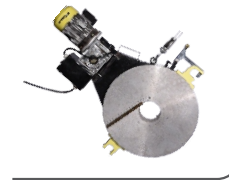
PTFE coated heating plate with PID DTC



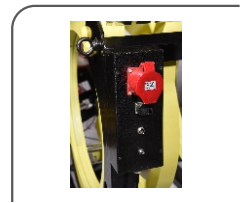
Self detaching device for heating plate



Stub end device with three jaw center welding



Light weight trimmer with fast removing system



Power supply for crane, trimmer & warning light

Working Range with Various Model : 440V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension(") (Machine Body)
IWS 630	315 - 630 mm	12 - 24"	46 x 50 x 42
IWS 800	450 - 800 mm	18 - 32"	
IWS 1000	630 - 1000 mm	24 - 40"	
IWS 1200	630 - 1200 mm	24 - 48"	

Standard Composition :

Main Machine Body, Heating Plate with DTC, Trimming Unit, PLC based Electro Hydraulic Unit, Heater / Trimmer Lifting Electrical Crane, Trimmer Stand, Heating Plate Stand, Stub end Device, Reduce Clamp Inserts.

Optional : Pipe Rollers

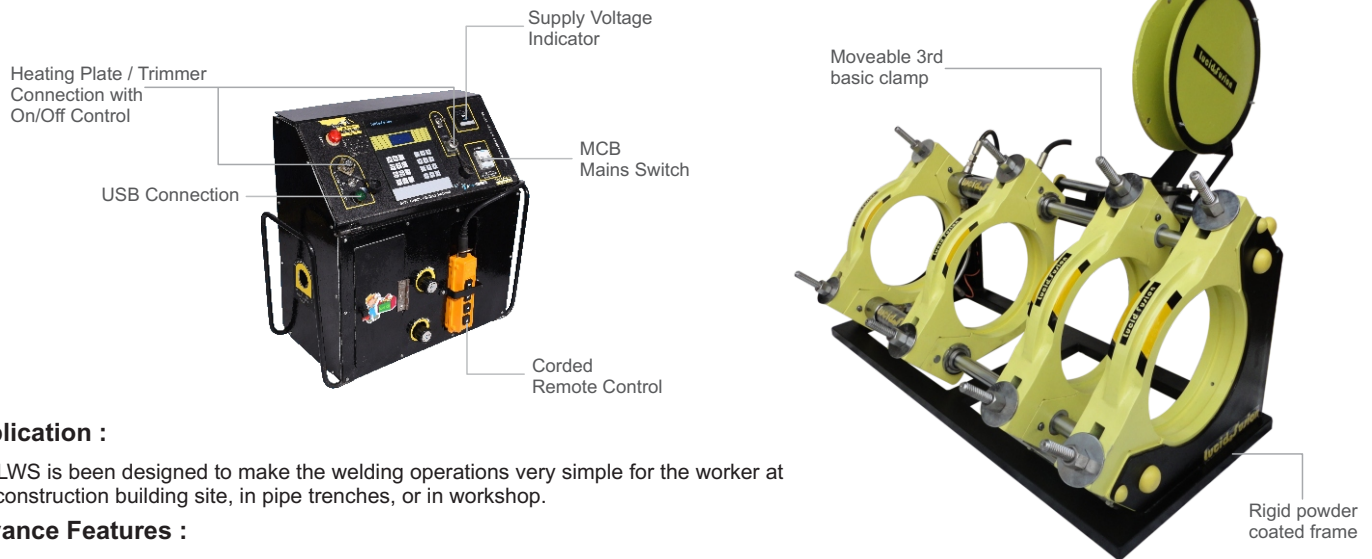


Plastic Pipe Butt Fusion Welding Machine

Logic Welder Series

Working Range Models : \varnothing 50 to 450 mm

Logic welder series (LWS) are PLC Based Hydraulic Butt Fusion Welding Machine designed for almost fully automated operation to get individual pipe joint data through USB. Well Equipped Superior Quality Components to deliver exceptionally Well Service Life ensuring Low Maintenance and Easy Operating System.



Application :

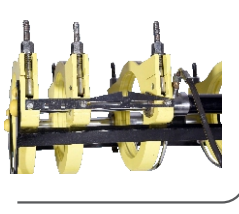
The LWS is been designed to make the welding operations very simple for the worker at any construction building site, in pipe trenches, or in workshop.

Advance Features :

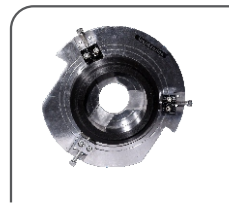
- ✓ **The LWS performs automatically** during welding to provide total jointing process from mirroring to cooling automatically with prefix time & pressure data in PLC.
- ✓ **Get individual joint data** through USB.
- ✓ **The LWS heating plate** comes with microprocessor based PID digital temperature controller for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings
- ✓ **The LWS has digital pressure** indication along with two separate pressure setting valve for drag & jointing which make use of machine very easy with single time setting for same size pipe.
- ✓ **The LWS has built-in digital timers** for soaking & bead-up with loud audible & visual signal.
- ✓ **The LWS performs intelligently** during mirroring process which provides automatic pressure drop from high to low & timer from bead up time to soaking time by buzzer signal with prefix time & pressure data in PLC.



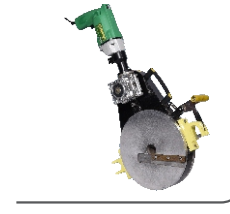
PTFE coated heating plate with PID DTC



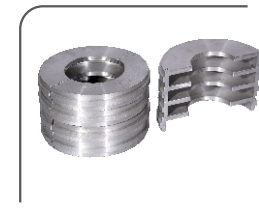
Self detaching device for heating plate



Stub end device with three jaw center welding



Light weight trimmer with fast removing system



Reduce clamp insert

Working Range with Various Model : 230V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension(") (Machine Body)	kg
LWS 160	50 - 160 mm	1 1/2 - 6"	28 x 15 x 16	44
LWS 250	110 - 250 mm	4 - 10"	28 x 19 x 21	59
LWS 315	160 - 315 mm	6 - 12"	29 x 21 x 23	75
LWS 450	200 - 450 mm	8 - 18"	29 x 26 x 27	85

Standard Composition :

Main Machine Body, Heating Plate with DTC, Trimming Unit, PLC based Electro Hydraulic Unit with USB, Stub end Device, Trimmer / Heating Plate Stand, Reduce Clamp Inserts.
Optional : Pipe Rollers

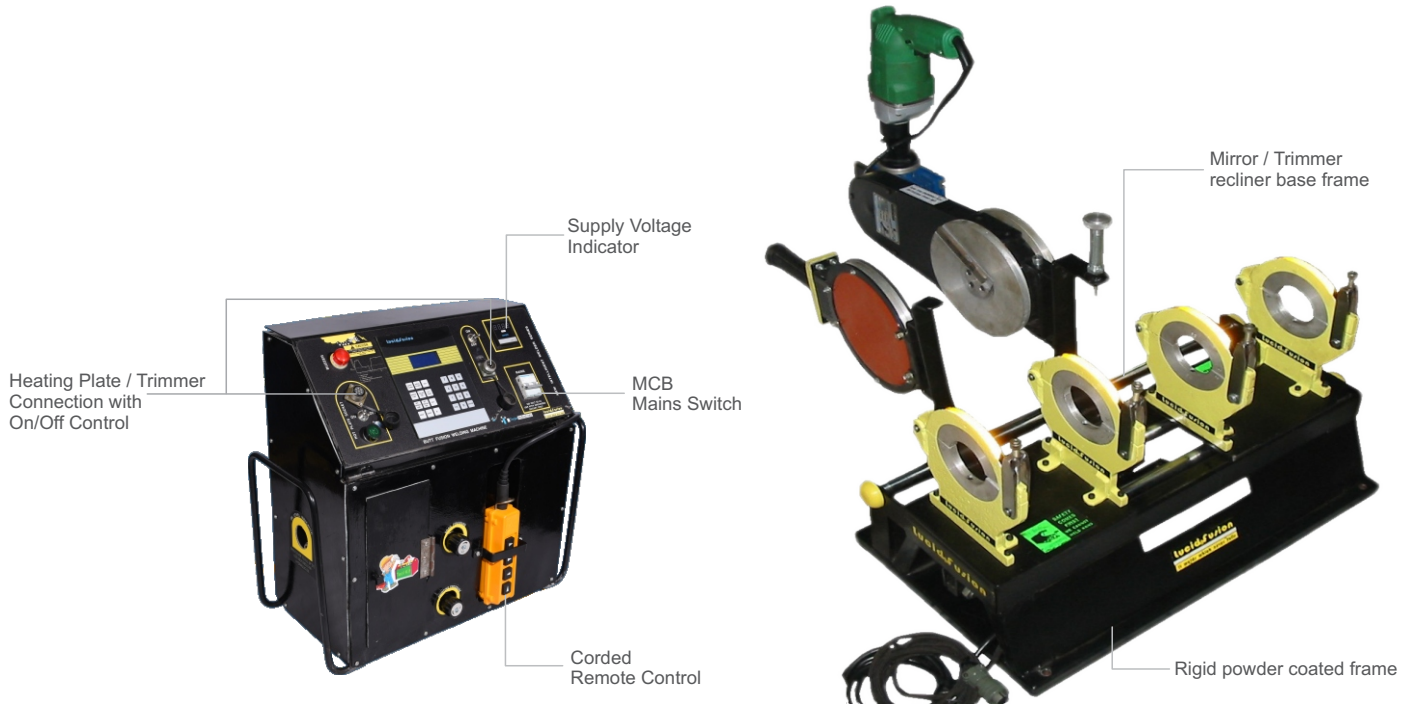


Plastic Pipe Butt Fusion Welding Machine

Fitt Weld Series

Working Range Models : \varnothing 32 to 160 mm

Fitt Weld Series (FWS) are PLC Based Hydraulic Butt Fusion Welding Machine which comes with completely Well Equipped Superior Quality Components to Deliver Exceptionally Well Service Life ensuring Low Maintenance and Easy Operating System.



Application :

The FWS is been specially designed for critical sort distance welding to make the welding operations very simple for the worker at any construction building site, in pipe trenches, or in workshop.

Advance Features :

- ✓ **The FWS has rigid basic frame** to support basic main ms clamps specially designed for critical welding operations supported by single hydraulic cylinders and hose pipes with quick couplings.
- ✓ **The FWS heating plate** comes with microprocessor based PID digital temperature controller for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings.
- ✓ **The FWS has digital pressure** indication along with two separate pressure setting valve for drag & jointing which make use of machine very easy with single time setting for same size pipe.
- ✓ **The FWS has built-in digital timers** for soaking & bead-up with loud audible & visual signal.
- ✓ **The FWS performs intelligently** during mirroring process which provides automatic pressure drop from high to low & timer from bead up time to soaking time by buzzer signal with prefix time & pressure data in PLC.

Working Range with Various Model : 230V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension(") (Machine Body)	kg
FWS 110	32 - 110mm	1 - 4"	26 x 18 x 15	32
FWS 160	50 - 160mm	1½ - 6"	26 x 18 x 18	45

Standard Composition :

Main Machine Body, Heating Plate with DTC, Trimming Unit, PLC based Electro Hydraulic Unit, Reduce Clamp Inserts.
Optional : Pipe Rollers

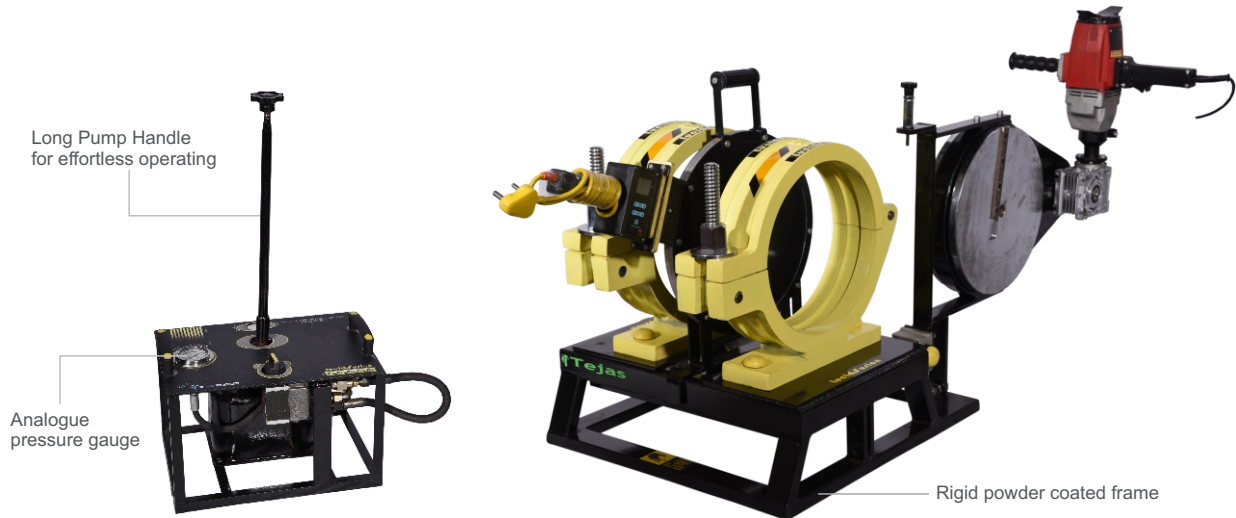


Plastic Pipe Butt Fusion Welding Machine

Hand Hydro Series

Working Range Models : \varnothing 32 to 315 mm

Hand Hydro Series (HHS) are Hydraulic Hand Pump Based Butt Fusion Welding Machine which comes with completely Well Equipped Superior Quality Components To Deliver Exceptionally Well Service Life ensuring Low Maintenance and Easy Operating.



Application :

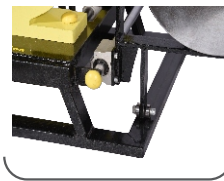
The HHS is been designed to work at any construction building site, in pipe trenches, or in workshop.

Advance Features :

- ✓ **The HHS has rigid basic frame** to support two high grade aluminum casted main clamps operated by single hydraulic cylinder and hose pipes.
- ✓ **The HHS heating plate** comes with microprocessor based PID digital temperature controller for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings.
- ✓ **The HHS has 4"** easily readable liquid fill analogue pressure gauge.
- ✓ **The HHS heating plate** has built-in digital timer with audible signal.
- ✓ **The HHS hydraulic cylinder** have superior quality PU seals.



PTFE coated heating plate with PID DTC



Moving Attachment for trimmer & heating plate



Light weight trimmer with fast removing system *Optional*

Working Range with Various Model : 230V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension ("") (Machine Body)	kg
HHS 110	32 - 110mm	1 - 4"	23 x 18 x 15	31
HHS 160	50 - 160mm	1 1/2 - 6"	25 x 21 x 17	41
HHS 250	110 - 250mm	4 - 10"	25 x 21 x 20	47
HHS 315	160 - 315mm	6 - 12"		

Standard Composition :

Standard Machine Body, Heating Plate With DTC, Hand Pump Hydraulic Unit, Reduce Clamp Inserts.
Optional : Trimming Unit



Plastic Pipe Butt Fusion Welding Machine

Mechanical Welder Series

Working Range Models : \varnothing 32 to 250 mm

Mechanical Welder Series (MWS) Butt Fusion Welding Machine which comes Well Equipped Superior Quality Components To Deliver Exceptionally Well Service Life ensuring Low Maintenance and Easy Operating System.

Application :

The MWS is been designed for use in workshops, on the building site, in pipe trenches, on pipe bridges etc.

Advance Features :

- ✓ **The MWS heating plate** comes with microprocessor based PID digital temperature controller for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings
- ✓ **The MWS heating plate** has built-in digital timer with audible signal.
- ✓ **The MWS has superior quality** square thread screw with high ratio to gets reasonably fast movement for easy and quick operation.
- ✓ **The MWS has manual** pressure locking system.

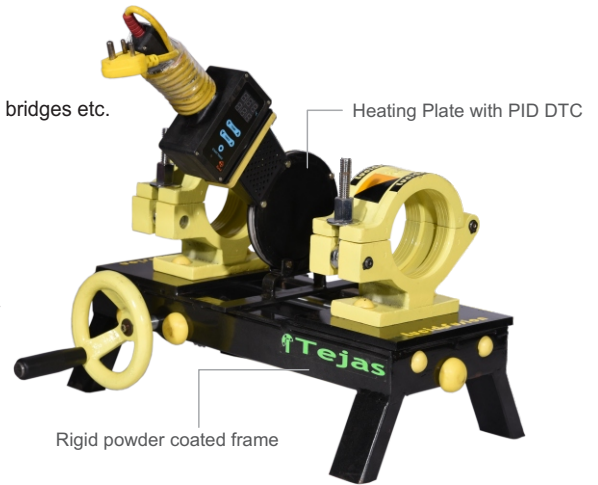
Working Range with Various Model : 230V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension(") (Machine Body)	kg
MWS 110	32 - 110mm	1 - 4"	23 x 18 x 15	26
MWS 160	50 - 160mm	1 1/2 - 6"	25 x 21 x 17	36
MWS 250	110 - 250mm	4 - 10"	25 x 21 x 20	42

Standard Composition :

Main Machine Body, Heating Plate with DTC,
Reduce Clamp Inserts.

Optional : *Trimming Unit*



Light weight trimmer with fast removing system *Optional*

Extruder Welding machine

Extruder Welding Series

Extruder

We are specialized in developing and manufacturing extruder for fabrication welding of PE, PP, PPH & PVDF profile.

Advance Features :

- ✓ **Processed high quality** nitrated screw and barrel for long lasting life.
- ✓ **Light in weight** for easy handling on site.
- ✓ **On/Off starter** for motor.
- ✓ **PID DTC** controller for heater.
- ✓ **High Quality** insulated heater.

Dimension / Kg. : 36 x 16 x 21 / 105

Power : 220V - 50/60Hz & 440V - 50/60Hz

Application :

Plastic Profile And Tank Fabrication Work.



Heating Plates / Welding Mirror

Working Range: \varnothing 20 to 1200 mm

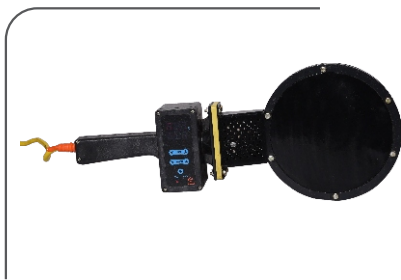
Working Temperature: 40 – 300 °C

Heating Plates

We are specialized in developing and manufacturing heating plates with **Microprocessor Based PID Digital Temp. Controller with Audible Timer (DTC)** & with **On/Off Switch Control (SC)** for butt fusion welding of PE, PP, PPH & PVDF pipes & fittings covered with high-quality PTFE coated non-stick glass cloth.

Advance Features :

- ✓ Easily replaceable PTFE cloth & Heating element in the field if it is damaged to avoid inconvenience in the middle of a critical jobs.
- ✓ Specially designed insulated handle with better grip for firm handling.
- ✓ Light in weight for easy handling.



DTC - \varnothing 110 - 250mm



DTC - \varnothing 315 - 450mm



DTC - \varnothing 630 - 1200mm

Working Range with Various Model :

110 - 450 : Single phase 220V - 50/60Hz

630 - 1200 : Three phase 440V - 50/60Hz

Description	\varnothing Suitable Pipe Size	\varnothing Inch	Dimension(") (DTC)	kg	Dimension(") (SC)	kg	Watt
110	110mm	4"	17 x 3 x 6	1.8	16 x 3 x 6	1.6	400
160	160mm	6"	19 x 3 x 8	2.6	18 x 3 x 8	2.4	700
200	200mm	8"	22 x 3 x 11	4.6	21 x 3 x 11	5	800
250	250mm	10"	23 x 3 x 12	4.8	23 x 3 x 12	5.9	800
315	315mm	12"	26 x 6 x 20	9.2	19 x 6 x 20	8.6	1500
400	400mm	16"	30 x 6 x 24	14.3	23 x 6 x 24	13.4	2200
450	450mm	18"	32 x 6 x 26	19.8	25 x 6 x 26	18.9	2500
630	630mm	24"	51 x 12 x 41	65			
630x800	630-800mm	24"x32"					
630x1000	630-1000mm	24"x40"					
630x1200	630-1200mm	24"x44"					



SC - \varnothing 110 - 250mm



SC - \varnothing 315 - 450mm

We think coated heater surface are inappropriate for field work where the coated surface can be easily damaged. This jeopardizes weld quality until the heater surface has been refurbished. PTFE cloth available.

We also provide custom heating plates as per your requirements.



Heating Plates / Welding Mirror

Casted Hot Plate with Digital Temperature Controller with Audible Timer.
Working Range : ø 20 to 450mm
Working Temperature Range : 40-300°C

Casted Heating Plates (CDTC)

We are specialized in developing and manufacturing casted heating plates for butt welding of PE, PP, PPH & PVDF pipes & fittings coated with high-quality PTFE non-stick coating & controlled by **Microprocessor based PID Digital Temperature Controller with Audible Timer.**

Advance Features :

- ✓ **Specially design insulated handle** with better grip for firm handling.
- ✓ **Light in weight** for easy handling.
- ✓ **Uniform & fast heating** all around surface.
- ✓ **Long service life.**



Working Range with Various Model : 220V - 50/60Hz

Description	ø Suitable Pipe Size	ø Inch	Dimension(")	kg	Watt
110	110mm	4"	17 x 3 x 6	1.9	850
160	160mm	6"	20 x 3 x 8	2.6	950
250*	250mm	10"			
315*	315mm	12"			
400*	400mm	16"			
450*	450mm	18"			



CDTC - ø 110 - 450mm

PPR Heating Plates / Welding Mirror

PPR Hot Plate with Digital Temperature Controller with Audible Timer.
Working Range : ø 16 to 160mm
Working Temperature Range : 40-300 OC

Heating Plates For Socket Welding

We are specialized in developing and manufacturing heating plates for socket welding of PPR pipes & fittings coated with high-quality PTFE non-stick coating & controlled by **Microprocessor based PID Digital Temperature Controller with Audible Timer.**

Advance Features :

- ✓ **PTFE Coated hot plate** can also used for PE, PP butt welding.
- ✓ **Specially design insulated handle** with better grip for firm handling.
- ✓ **Light in weight** for easy handling.
- ✓ **Uniform & Fast heating** all around surface.
- ✓ **PTFE Coated dies** for socket welding.

* This sizes are under manufacturing process.

We also provide custom heating plates as per your requirements.



Working Range with Various Model : 220V - 50/60Hz

Description	ø Suitable Pipe Size	Dimension(")	kg	Watt
110	15 - 63mm	17 x 3 x 6	1.9	850
160	75 - 110mm	20 x 3 x 8	2.6	950
200*	75 - 160mm			



Molded Pipe Fittings & Polymer Products

Material : HDPE, PP & PPH
Molding Range : ø 20 to 630mm

HDPE & PP Molded Pipe Fittings :

We are reputed firm involved in manufacturing molded HDPE, PP & PPH pipe fittings which are manufactured using high grade material & accurate in dimension. These durable products are in compliance with the defined industry standards. Our anti-corrosive products are offered in various shapes and sizes. We are offering our products at market leading prices.

Molded Fittings Range
20MM to 630MM

Molded Item :

Flanges (Slip-On, Pipe Bore, Threaded, Blind, Weld Neck, Puddle in all drilling tables,) Sandwich Flanges (In All Drilling Tables), Stub End (Short, Long & Extra Long), Reducer, End Caps, Tee & Bend, Hose Nipple, Welding Rod, Etc. Specially Designed Rubber Gasket for Stub End and other profile products.



HDPE & PP Fabricated Pipe Fittings

Precisely engineered, we bring forth a wide range of fabricated HDPE, & PP pipe fittings for our esteemed clients. These are fabricated using pipes with quality tested raw material, which is procured from the most reliable vendors of the market. These anti-corrosive and finely finished fittings are demanded for their wear & tear resistance.

Fabricated Fittings Range
20mm To 1000mm

Fabricated Items :

Tee,
Bend (In All Degrees),
Reducing Tee,
Four way Cross Tee,
Reducing Cross Tee,
Y Tee

Application

As breathless industrialization catches up with the under industrialized regions of the world, the scope for industries growth is astronomical. Our PE, PP & PPH pipe fitting and profile products find a multitude of application in various field and industrial activities of the 21st century.

Chemical Plants,
Fuel Gas Plant,
Corrosive Effluents Plants,
Pharmaceuticals, etc.

Food Processing Plants,
Salt & Marines,
Irrigation Systems,

Water Supply,
Drainage & Sewage Plants,
Paper & Pulp Industries.



Butt fusion welding equipments



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