

WELCOME TO MATRIX INDUSTRIES





## Company Profile

Since its inception in 2021, **Matrix Industries** has emerged as a leading **Hdpe Pipe Jointing Machine Manufacturer in India**, offering state-of-the-art solutions for a wide range of industrial applications. With a strong commitment to quality and innovation, Matrix Industries specializes in the design and manufacturing of cutting-edge machinery for HDPE pipe jointing, serving industries such as water supply, gas distribution, sewage management, and irrigation. Our focus on delivering reliable and high-performance equipment has earned us a reputation as a trusted provider of HDPE pipe welding solutions across the country.

At the heart of **Matrix Industries'** product line is our **Hdpe Pipe Jointing Machine**, designed to ensure the strongest, most reliable joints in HDPE pipes. Our machines are built with precision and advanced technology, enabling industries to achieve seamless joints that are crucial for leak-proof and durable pipelines. Whether for large infrastructure projects or smaller installations, Matrix Industries provides customized solutions to meet the specific needs of our clients. We understand that every project is unique, and our machines are engineered to deliver exceptional performance, ensuring maximum efficiency and minimal downtime.

In addition to our core offerings, **Matrix Industries** is a renowned **Electrofusion Welding Machine Manufacturer**. Our electrofusion welding machines are equipped with the latest technology to ensure precise and secure pipe joints, critical for applications in gas and water distribution networks. The user-friendly design, coupled with advanced features, makes these machines a preferred choice for industries that require reliable jointing solutions. As a leader in the field, Matrix Industries provides machines that meet the highest standards of safety and efficiency, ensuring long-lasting and durable results.

Matrix Industries also specializes in **Hdpe Pipe Manual Butt Fusion Welding Machines**, providing versatile options for industries that require manual jointing solutions. These machines are designed for ease of use and robust performance, making them ideal for both fieldwork and controlled environments. With a focus on durability and precision, our manual butt fusion machines are a reliable choice for industries seeking high-quality jointing solutions.

As a trusted **Hdpe Pipe Jointing Machine Manufacturer in India**, **Matrix Industries** is committed to delivering excellence in both product quality and customer service. Since 2021, we have continued to innovate and expand our offerings, ensuring that our clients receive the best solutions for their HDPE pipe jointing needs. With a focus on technological advancement and customer satisfaction, Matrix Industries is dedicated to providing top-tier machinery that sets new standards in the industry.

## Push Series Manual Butt Fusion Machine

### Description :

HDPE pipe has been used extensively around the world. It is a cost effective solution for a broad range of piping applications in the municipal, industrial, marine, mining, landfill, duct and agricultural industries.

Butt fusion welding is an effective, trouble free connecting method for PE, HDPE pipes. In pressurized piping applications, butt fusion welding can provide excellent performance, just like a whole pipe, Push Series Manual Butt Fusion Machine, Industrial Butt Fusion Machine Exporter in India.



To achieve a good jointing, a steady, precise, robust butt welding machine is critical. MATRIX INDUSTRIES had been developing, manufacturing and distributing PE butt welding equipment since 2021. It's our pleasure to help you build reputation in the piping project.

The manual butt fusion welding machine, mainly consists of 2 major parts: Carriage (also called frame or base), planing tool (also called trimmer or facer) and heater. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate trimming and heating.

### Product Characteristics :

- Robust structure of carriage part with streamline outlook
- Durable copper wiring motor, HSS blade, PTFE coating
- Full gear transmission in planing tool, instead of chain, more heavy duty

### Technical Specifications :

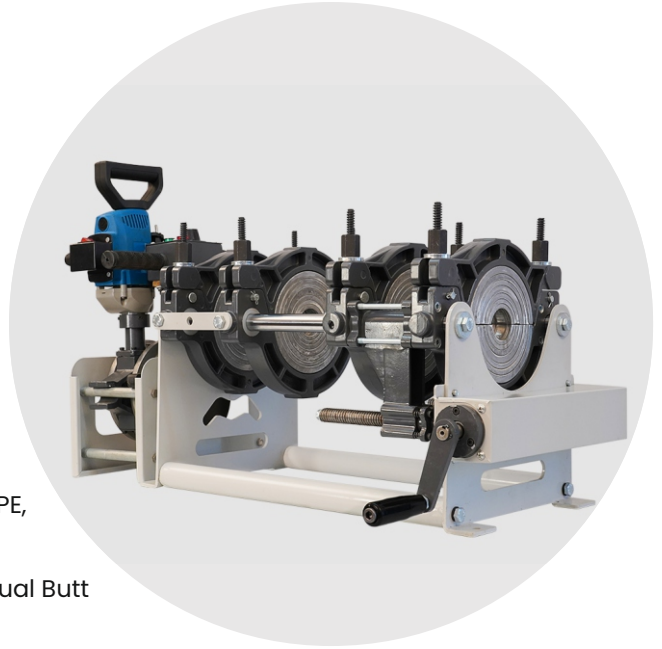
Model	PM160	PM200
Welding range (mm)	50-160	63-200
Standard reducers (mm)	50-63-75-90-110-125-140-160	63-75-90-110-125-140-160-180-200
Power Supply	220V/50Hz, 1 PH	220V/50Hz, 1 PH
Total Power	2.1 KW	2.5 KW
Heating Plate Power	1.1 KW	1.5 KW
Planning tool Power	1.0 KW	1.0 KW
Max. Temperature of Heating Plate	270°C	270°C
Temp. Deviation in Surface	±5°C	±5°C
Net Weight of Machine	-	-

## ROTO Series Manual Butt Fusion Machine

### Description :

HDPE pipe has been used extensively around the world. It is a cost effective solution for a broad range of piping applications in the municipal, industrial, marine, mining, landfill, duct and agricultural industries.

Butt fusion welding is an effective, trouble free connecting method for PE, HDPE pipes. In pressurized piping applications, butt fusion welding can provide excellent performance, just like a whole pipe, ROTO Series Manual Butt Fusion Machine Manufacturer, Industrial Butt Fusion Machine India.



To achieve a good jointing, a steady, precise, robust butt welding machine is critical. MATRIX INDUSTRIES had been developing, manufacturing and distributing PE butt welding equipment since 2021. It's our pleasure to help you build reputation in the piping project.

The manual butt fusion welding machine, mainly consists of 2 major parts: Carriage (also called frame or base), planing tool (also called trimmer or facer) and heater. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate trimming and heating.

### Product Characteristics :

- Full metal structure of carriage part, light-weight and strong enough
- Hand-wheel handle with gear transmission for easy operation
- Durable copper wiring motor, PTFE coating
- Easy Self Pressure Locking System.

### Technical Specifications :

Model	RM160	RM200
Welding range (mm)	50-160	63-200
Standard reducers (mm)	50-63-75-90-110-125-140-160	63-75-90-110-125-140-160-180-200
Power Supply	220V/50Hz, 1 PH	220V/50Hz, 1 PH
Total Power	2.1 KW	2.5 KW
Heating Plate Power	1.1 KW	1.5 KW
Planning tool Power	1.0 KW	1.0 KW
Max. Temperature of Heating Plate	270°C	270°C
Temp. Deviation in Surface	±5°C	±5°C
Net Weight of Machine	46 KGS	55 KGS

## Hydraulic Butt Fusion Welding Machine

### Description :

HDPE pipes has been used extensively around the world. It is a cost effective solution for a broad range of piping applications in the municipal, industrial, marine, mining, landfill, duct and agricultural industries.

Butt fusion welding is an effective, trouble free connecting method for PE, HDPE, PP, PVDF pipes. In pressurized piping applications, Hydraulic Butt Fusion Welding Machine Manufacturer & Exporter in India, butt fusion welding can provide excellent performance, just like a whole pipe.



To achieve a good jointing, a steady, precise, robust butt welding machine is critical. MATRIX INDUSTRIES had been developing, manufacturing & distributing butt fusion equipment since 2021. It's our pleasure to help you build reputation in the piping project. The Hydraulic butt fusion welding machine, mainly consists of 3 major parts: Carriage (also called frame or base), planing tool (also called trimmer or facer) and heater, hydraulic station with control device. Carriage for precise face joint and steady pipe clamping, planing tool and heater responsible for accurate trimming and heating, hydraulic station provides actuation and control.

### Product Characteristics :

- Robust structure of carriage part with streamline outlook
- Durable copper wiring motor, HSS blade, PTFE coating
- Hydraulic station of integrated enclosure shielding splash and dirt
- Full gear transmission in planing tool, instead of chain, more heavy duty

### Technical Specifications :

Model	HM315
Welding range (mm)	90-315
Standard reducers (mm)	90-110-125-140-160-180-200-225-250-280-315
Power Supply	220V/50Hz, 1 PH
Total Power	5.85 KW
Heating Plate Power	3.1 KW
Planning tool Power	2.0 KW
Hydraulic station Power	0.75 KW
Pressure adjusting range	0-16 Mpa
Max. Temperature of Heating Plate	270°C
Temp. Deviation in Surface	±5°C
Net Weight of Machine	187 KG

## MEF Electrofusion Machine

### Description :

Electrofusion welding is widely used in PE and PP pipe jointing, with various kind of electrofusion fittings. With the tool of electrofusion welder, the connection job can be done efficiently. Our MEF & EFM series electrofusion welder can provide flexible choice of welding, ranging from 20mm to 315mm, MEF Electrofusion Machine Manufacturer, Hdpe Electrofusion Welding Machine 315mm.

MATRIX INDUSTRIES had been developing, manufacturing and distributing thermoplastic welding equipment since 2021. It's our pleasure to help you build reputation in the piping project.



### Product Characteristics :

- Input Voltage Indicator
- Scanner to Scan Fusion Barcode to Set Fusion Time
- Luminated ON/OFF Switch
- START/ STOP Push Button
- Selector Switch Is Very Advance Future of Our Electrofusion for Accurate Joints. (Set Selector Switch Near to Supply Voltage for Constant Fusion Voltage)
- Count Down Timer Along with Av Meter for Fusion Voltage & Ampere.
- Audio Visual Signal for Fusion & Cooling Process.
- Stop Button to Stop Fusion & Cooling at Any Stage.
- Face Lift Design with Big Display for Easy Visual.
- Lifting Handle & Cable Clamp on Top.

### Technical Specifications :

Model	MEF315
Welding mode	Automatic and Manual
Welding range(mm)	20-315
Suitable material	PE, PP
Power Supply	200V-250V/50Hz, 1 PH (Input Voltage Manual Selection)
Total Power	2.2 KW
Ambient temperature	-15~45°C
Voltage control mode	8~48V adjustable
Current control mode	1~60A
Time adjusting range	1-9999 seconds
Data interface	scanner
Input Supply Cable	3 Meter
Fusion Cable	3 Meter
Connecting pin	4 & 4.7 mm One pair
Generator Required	5 KVA
Net Weight of Machine	19 KG

## EFM Electrofusion Machine

### Description :

Electrofusion welding is widely used in PE and PP pipe jointing, with various kind of electrofusion fittings. With the tool of electrofusion welder, the connection job can be done efficiently. Our MEF & EFM series electrofusion welder can provide flexible choice of welding, ranging from 20mm to 315mm, EFM Electrofusion Machine Exporter in India, EFM Electrofusion Machine Manufacturer.

MATRIX INDUSTRIES had been developing, manufacturing and distributing thermoplastic welding equipment since 2021. It's our pleasure to help you build reputation in the piping project.



### Product Characteristics :

- Control core of high level MCU, for accurate welding control
- Built-in Voltage stabilizer, for steady welding
- Industrial level electrical parts, for steady performance
- Over-load protection design, guarantee safe operation

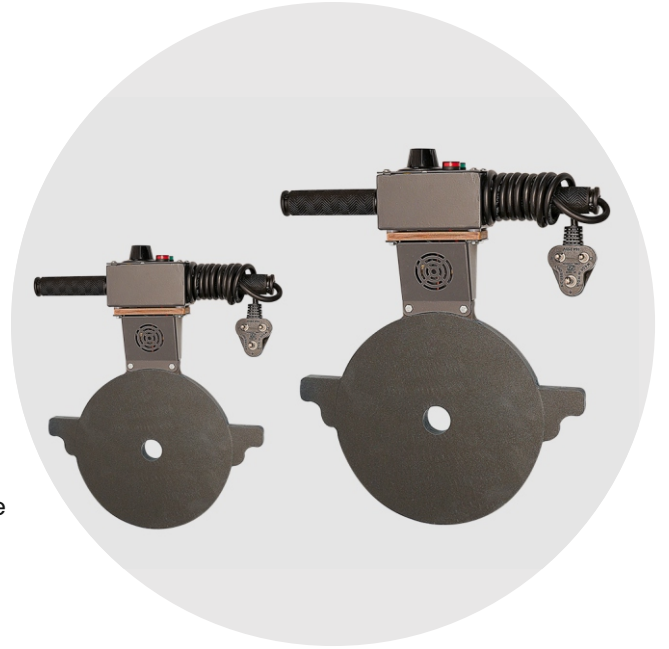
### Technical Specifications :

Model	EFM160	EFM315
Welding mode	Automatic and Manual	Automatic and Manual
Welding range(mm)	20-160	20-315
Suitable material	PE, PP	PE, PP
Power Supply	200V-250V/50Hz, 1 PH	200V-250V/50Hz, 1 PH
Total Power	1.6 KW	2.2 KW
Ambient temperature	-15~45°C	-15~45°C
Voltage control mode	8~48V adjustable	8~48V adjustable
Current control mode	1~60A	1~60A
Time adjusting range	1-9999 seconds	1-9999 seconds
Data interface	scanner	scanner
Input Supply Cable	3 Meter	3 Meter
Fusion Cable	3 Meter	3 Meter
Connecting pin	4 & 4.7 mm One pair	4 & 4.7 mm One pair
Generator Required	5 KVA	5 KVA
Net Weight of Machine	15 KG	16 KG

## HDPE Pipe Welding Heater

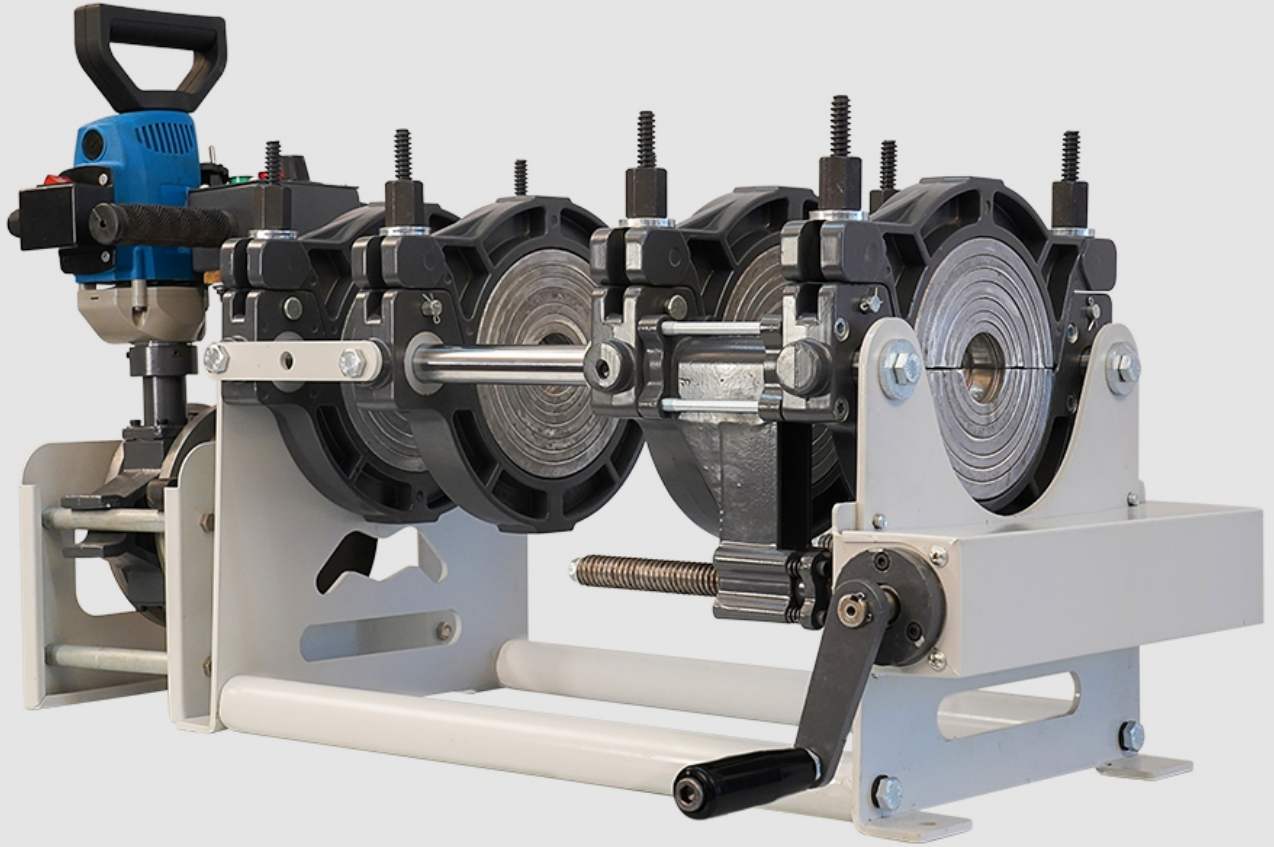
### Application & Features :

- Suitable for butt fusion welding of plastic pipes and fittings made of PE, PP, and PVDF in construction site or workshop.
- Inbuilt thermostat controller with LED indication. (MAC)
- PID-SMPS based digital temperature controller. Easy to replace by yourself. (DTC)
- No handle breaking problem extra tough high strength rigid handle design.
- Super smooth Teflon coated surface.
- Casted heating plate for faster heating.



### Technical Specifications :

Model	160	200	315
Power	220V-230V	220V-230V	220V-230V
Watt	1100	1500	3100
Max temperature of heating plate	270°C	270°C	270°C
Temperature Deviation	±5°C	±5°C	±5°C



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