

FUSE

FM-110 Butt fusion machine



Description

FM-110 is suitable for PE/PP plastic pipeline joint from 110mm to 32mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	550×420×350mm	25kg
Jaws	165×165×35mm	4kg
Facer	380×350×340mm	8.5kg
heater	450×260×70mm	3.1kg
Support	410×250×240mm	1.2kg
Total Weight		41.8kg

Electrical data

Power Supply	AC: 220 V
Facer	750 w
Heater	1,000 w
Total Power Consumption	1,750 w

Other technical data

Features

- ★The locking system can avoid the effect of outside force during the fusion.
- ★Strong structure with hardened aluminum.
- ★Electric motor drives the facer.

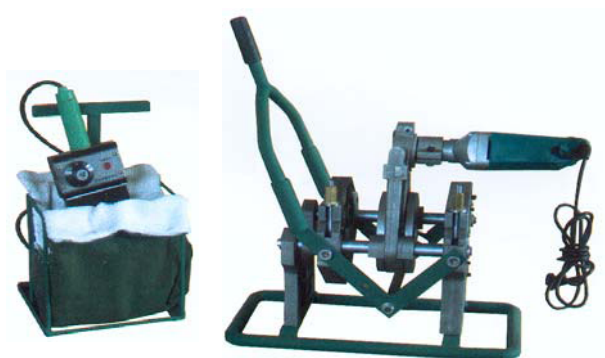
Accessories

Songjiang offers special wrench for bolts of jaws and temperature control apparatus.

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FUSE

FM-160G Butt fusion machine



Description

FM-160G is suitable for PE/PP plastic pipeline joint from 160mm to 63mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	550×420×350mm	20kg
Jaws	165×165×35mm	4kg
Facer	380×350×340mm	8.5kg
heater	450×260×70mm	3.1kg
Support	410×250×240mm	1.2kg
Total Weight		36.8kg

Electrical data

Power Supply	AC: 220 V
Facer	750 w
Heater	1,000 w
Total Power Consumption	1,750 w

Other technical data

Features

- ★ The locking system avoids the effect of outside force during the fusion.
 - ★ Strong structure with hardened aluminum.
 - ★ Electric motor drives the facer.
-

Accessories

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FUSE

FM-225S butt fusion machine



Description

FM-225S is suitable for PE/PP plastic pipeline joint from ϕ 225mm to 75mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	950×470×460mm	50.7kg
Jaws	225×225×40mm	28.6kg
Facer	380×340×340mm	10.7kg
heater	560×245×65mm	5.3kg
Support	540×425×210mm	2kg
Total Weight		97.3kg

Electrical data

Power Supply	AC: 220 V
Facer	710 w
Heater	1,600 w
Total Power Consumption	2,310 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	862mm ²

Features

- ★ Operating the lever to drive hydraulic transmission by hand, fusion pressure can be controlled accurately.
- ★ Electric motor drives the facer.
- ★ Pressure maintained by operating shut-off valve.
- ★ Light and easy for transportation.

Accessories

Songjiang offers special wrench for bolts of jaws.

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FUSE

FM-160 butt fusion machine



Description

FM-160 is suitable for PE/PP plastic pipeline joint from 160mm to 63mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	810×360×340mm	27.5kg
Jaws	165×165×35mm	4kg
Facer	380×340×340mm	9.4kg
Heater	460×270×50mm	4.5kg
Control box	950×810×790mm	11.5kg
Hydraulic station	395×330×340mm	34kg
Total Weight		90.9kg

Electrical data

Power Supply	AC: 220 V
Facer	710 w
Heater	1,000 w
Hydraulic station	750 w
Total Power Consumption	2,460 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	626mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
 - ★ Precise control of fusion pressure.
 - ★ Electric motor drives the facer.
 - ★ Two wheels structure is convenient for moving.
-

Accessories

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FM-250 butt fusion machine



Description

FM-250 is suitable for PE/PP plastic pipeline joint from 250mm to 90mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	910×520×430mm	51.8kg
Jaws	255×255×40mm	9.6kg
Facer	480×400×400mm	18.7kg
Heater	600×570×60mm	10.6kg
Control box	700×540×380mm	15.8kg
Hydraulic station	395×330×340mm	34kg
Total Weight		140.5kg

Electrical data

Power Supply	AC: 220 V
Facer	1,100 w
Heater	2,000 w
Hydraulic station	750 w
Total Power Consumption	3,850 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	692mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
- ★ Precise control of fusion pressure.
- ★ Electric motor drives the facer.
- ★ Two wheels structure is convenient for moving.

Accessories

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FM-315 butt fusion machine



Description

FM-315 is suitable for PE/PP plastic pipeline joint from 315mm to 90mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	980×620×500mm	78kg
Jaws	320×320×42mm	15.2kg
Facer	550×550×410mm	23kg
heater	680×590×65mm	13.7kg
Control box	700×540×380mm	15.8kg
Hydraulic station	395×330×340mm	34kg
Total Weight		179.7kg

Electrical data

Power Supply	AC: 220 V
Facer	1,100 w
Heater	2,500 w
Hydraulic station	750 w
Total Power Consumption	4,350 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	954mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
 - ★ Precise control of fusion pressure.
 - ★ Electric motor drives the facer.
 - ★ Two wheels structure is convenient for moving.
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Accessories

Songjiang offers special wrench for bolts of jaws and temperature control apparatus.

FUSE

FM-355 butt fusion machine



Description

FM-355 is suitable for PE/PP plastic pipeline joint from 355mm -110mm .

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	1080×720×910mm	90kg
Jaws	355×355×60mm	18.5kg
Facer	655×400×700mm	32kg
heater	630×560×60mm	15kg
Control box	465×500×465mm	12kg
Hydraulic station	395×330×340mm	34kg
Total Weight		201.5Kg

Electrical data

Power Supply	AC: 220 V ,single-phase
Facer	1,100 w
Heater	3,000 w
Hydraulic station	750 w
Total Power Consumption	4,850 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	1622mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
- ★ Precise control of fusion pressure.
- ★ Electric motor drives the facer.
- ★ Two wheels structure is convenient for moving.
- ★ The facer is attached to the base machine, easy and safe for operation.

Accessories

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FM-450 butt fusion machine



Description

FM-450 is suitable for PE/PP plastic pipeline joint from 450mm to 250mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	1320×760×730mm	151kg
Jaws	455×455×45mm	28kg
Facer	740×680×360mm	57.7kg
heater	870×600×200mm	25kg
Control box	660×620×560mm	24.7kg
Hydraulic station	650×400×460mm	78kg
Total Weight		364.4kg

Electrical data

Power Supply	AC: 380 V
Heater	4,500 w
Hydraulic station	2,200 w
Total Power Consumption	6.700 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	2002mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
 - ★ Precise control of fusion pressure.
 - ★ The hydraulic drives the facer.
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Accessories

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FM-630 butt fusion machine



Description

FM-630 is suitable for PE/PP plastic pipeline joint from 630mm to 315mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	1650×1110×970mm	294.3kg
Jaws	635×635×55mm	64.8kg
Facer	960×870×400mm	80.6kg
heater	1320×980×260mm	35.6kg
Control box	890×700×710mm	38.7kg
Hydraulic station	650×400×460mm	79.5kg
Total Weight		593.5kg

Electrical data

Power Supply	AC: 380 V
Heater	6,600 w
Hydraulic station	2,200 w
Total Power Consumption	8,800 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder (double)	2770mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
- ★ Precise control of fusion pressure.
- ★ The hydraulic drives the facer.

Accessories

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FM-800 butt fusion machine



Description

FM-800 is suitable for PE/PP plastic pipeline joint from 800mm to 630mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	2110×1050×970mm	841.5kg
Support	1050×890×500mm	46.2kg
heater	1170×1210×420mm	39.2kg
Total Weight		926.9kg

Electrical data

Power Supply	AC: 380 V
Heater	7500 w
Hydraulic station	2,200 w
Total Power Consumption	12700 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	5026mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
- ★ Precise control of fusion pressure.
- ★ Smart facer design makes milling easy and safe.
- ★ The hydraulic motor drives the facer.
- ★ Sling device to move the heating plate.

Accessories

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FM-1000 butt fusion machine



Description

FM-1000 is suitable for PE/PP plastic pipeline joint from 1000mm to 630mm.

It is easy to operate and learn. Customers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	2110×1350×1170mm	958kg
Support	1350×1120×550mm	54.5kg
heater	1350×1520×420mm	125kg
Total Weight		1137.5kg

Electrical data

Power Supply	AC: 380 V
Heater	10500 w
Hydraulic station	2200 w
Total Power Consumption	12700 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	5026mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
 - ★ Precise control of fusion pressure.
 - ★ Smart facer design makes milling easy and safe.
 - ★ The hydraulic motor drives the facer.
 - ★ Sling device to move the heating plate.
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FM-1200 butt fusion machine



Description

FM-1200 is suitable for PE/PP plastic pipeline joint from 1200mm to 710mm.

It is easy to operate and learn. Consumers can expect low maintenance costs and a quick return on their investment.

Specifications

Carriage unit dimensions

Item	Length×Width×Height	Weight
Base machine	2130×1730×1710mm	1245.7kg
Support	1560×1210×620mm	60.5kg
heater	1570×1620×450mm	131kg
Total N.W		1437.2kg

Electrical data

Power Supply	AC: 220 V
Heater	16,300 w
Hydraulic station	2,200
Total Power Consumption	18,500 w

Other technical data

Pressure Range of Hydraulic Station	0~7.5Mpa
Section of Hydraulic Cylinder	6485mm ²

Features

- ★ Accumulator shortens the motor working time and maintains the pressure during the fusion.
 - ★ Precise control of fusion pressure.
 - ★ Smart facer design makes milling easy and safe.
 - ★ The hydraulic motor drives the facer.
 - ★ Sling device to move the heating plate.
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