

Pipe jointing equipment from GF

# PLASTIC FUSION MACHINES



**+GF+**

# SG Machines 110 & 160



## SG 110 Socket fusion machine

Portable heating element - socket fusion machine for use in the workshop and on job sites.  
Dimensions d 20 - 110 mm



### Basic model includes

#### Basic machine

- Compact, sturdy design, distortion - free machine bed
- Handwheel to move the machine carriage via rack

#### Heater

- With electronic temperature control 230 V / 1200 W
- High temperature accuracy + / -4°C

## SG 160 Combined butt and socket fusion machine

For fusion jointing PP, PE and PVDF pipes and fittings  
size range for butt fusion d 32 - 160 mm  
Socket 16 - 110 mm

Mobile, very compact and universal plastic fusion machine for use in the workshop and on job sites.

### Model features

- High precision, distortion-free and robust machine base
- Handwheel for easy moving of machine carriage
- Exact pressure adjustment via direct load transfer
- Hard-chrome plated guides shafts for extreme loads
- Handle for safe transport of machine
- All clamping possibilities for base clamping plates, pipe supports, back stop and prismatic clamping devices



# SG Machines 315 (S) (SD)



## Model features

- Optional swivel tables for equalisation of wall offset transverse to axial direction, for segment fusion up to 30°.
- Optional outer, horizontally removeable clamping devices available.
- High precision, distortion-free and robust machine base.
- Handwheel for easy moving of machine carriage.
- Hardened, hard-chrome plated guide shafts for extreme loads.
- Handle for safe transport of machine
- Optional analogue/digital display

For fusion jointing PP, PE and PVDF pipes and fittings for accurate single or series prefabrication of fitting (segment bends d 90 - 315 mm)

# MSE Heating tool

## MSE 63-110 Socket fusion tools



## Model features

- Choice of electronic or thermostatic temperature control.
- Support for heating spigots and bushes from d 16 to 110 mm (depending on model)
- Pick up for floor stand or table clamp.
- High quality PTFE non-stick coating with long service life.
- Monitoring and setting of heating element temperature according DVS 2208.
- High temperature accuracy over the entire heating surface.

T = thermostatic  
E = electronic

For fusion jointing of PP, PE and PVDF pipes and fittings size range d 16 - 110 mm

# WM machines 315, 500, 630 & 1200



## WM 315 Workshop butt fusion machine 500, 630 & 1200

For fusion jointing of PP, PE and PVDF pipes and fittings, for accurate single or series prefabrication of fittings (segment bends, Y and T fittings for complete pressure range.

The WM models can be equipped by the manufacturer with the SUVI<sup>®</sup> 50 data recording device for documentation of fusion parameters.

### Model features

- 400V / 750 W
- High precision design, distortion-free and sturdy machine bed
- Hardened, hard chrome plated linear guide rails for extreme loads
- Sturdy, closed machine base with separate electric and hydraulic unit
- Heater release mechanism
- Adjustable stops for accurate facing depth
- Axial alignment of the pipes on both sides by moving the base clamping tools transverse to axis direction
- Pressure selection switch to change over between planing and fusion pressure valves for exact build-up of required planing and fusion pressures





## Machine Selection Table

	SIZES	"Y & T's"	REDUCERS FLANGES	MOULDED ELBOWS 45/90	FABRICATED ELBOWS	SOCKET WELDING	BUTT FUSION	DIGITAL READ-OUT	DATA LOGGER	PIPE PRESSURE RATING PN
<b>SG 110</b>	20 - 110 mm		✓	✓		✓ UP TO 110 mm				16
<b>SG 160</b>	16 - 110 mm SOCKET 32 - 160 mm BUTT		✓	✓		✓	✓			16
<b>SG 315</b>	90 - 315 mm		✓	✓	✓		✓	✓	✓	16
<b>WM 315*</b>	90 - 315 mm	✓ UPTO 250 mm	✓	✓	✓		✓	✓	✓	16
<b>WM 500</b>	200 - 500 mm	✓ UPTO 400 mm	✓	✓	✓		✓	✓	✓	16
<b>WM 630</b>	250 - 630 mm	✓ UPTO 500 mm	✓	✓	✓ UP TO 450 mm		✓	✓	✓	16
<b>KL / GF</b>	63 - 1200 mm	✓ 1000 mm	✓				✓	✓	✓	16

**SG 315 4 OPTIONS AVAILABLE UPON REQUEST**

