

IM 315 Industrial butt fusion machine



IM 315 Features

Continuous development in close collaboration with end users assures a state-of-the-art butt fusion machine.

IM 315 is a butt fusion machine for industrial applications with pressure piping systems. IM 315 is suitable for jointing PE, PP, PB, PVDF pipes and fittings in the dimensional range d90–315 mm, SDR41–11. User friendly, highly precise and distortion-free, it has been designed to get fast preparation of parts to be jointed and to guarantee a reliable welding process.

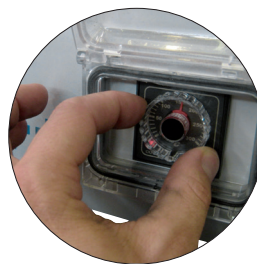
+ TEMPERATURE REGULATOR

PRECISION

Electronic temperature control.

USABILITY

Easy to set by means of rotating temperature selector.



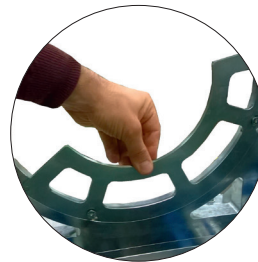
+ REDUCTION INSERTS

HANDLING

Laser-cut reduction rings, designed to be light, thin and easy to assemble without removal of fixing screws.

FLEXIBILITY

Suitable for all fitting types from GF Piping Systems, including flange adaptors up to d315 mm; double contain-it up to d225 mm.



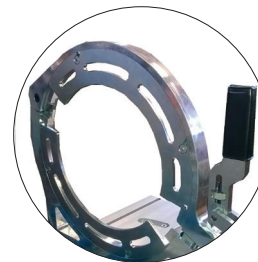
+ CLAMPING DEVICE

PERFORMANCE

Dimensional range d90–315 mm, suitable for pipe thickness from SDR41 up to SDR11.

USABILITY

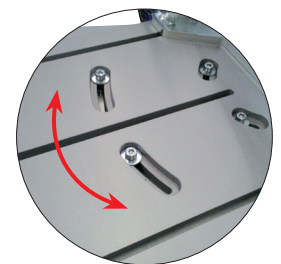
Fast locking handle to speed up the pipe preparation before welding; 30° inclination of clamp axis for easy removal of welded pipes/fittings.



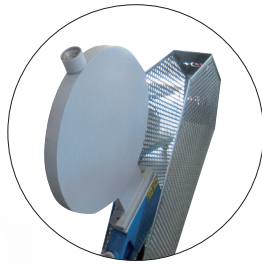
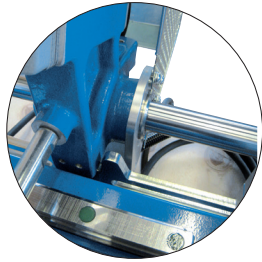
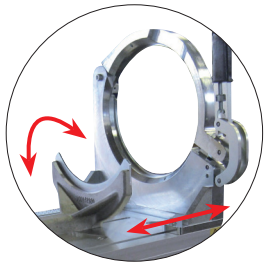
+ BASE MACHINE

FLEXIBILITY

Swivelling tables for segmented joints up to 30° total.



The IM 315 Industrial Butt Fusion Machine incorporates various clever features to simplify the operation of the equipment with extreme focus on operator safety and ensuring jointing quality and reliability. The machine works hand in hand with the specialists on the construction site. For training and after sales service, customers can rely on the world-wide network of service stations from GF Piping Systems.



+ PIPE HOLDERS

FLEXIBILITY

Adjustable clamp position along the table; reversible position of pipe support.

+ BASE MACHINE

USABILITY

Pull off mechanism to automatically detach the heating plate from pipe ends surface after the heating phase, particularly important with biggest size pipes / fittings.

+ HEATING ELEMENT

PERFORMANCE

High-quality, non-stick PTFE coating.

OPERATING SAFETY

Metal cover to protect the heated plate when tilted out; thermometer placed on front side for quick visual check of plate temperature.

+ PLANER

ERGONOMICS

Hinged on base machine and tilting; handle with integrated start up button.

FLEXIBILITY

Double/ single sided planing; motor alignment to reduce interference with clamped pipes / fittings.

OPERATING SAFETY

Micro-switch on board to prevent unintentional start up and self-locking mechanism

+ CARRIAGE DRIVER

USABILITY

Ergonomic handwheel to speed up changeover time; easy adjustment of the welding force by means of gearbox. Fast locking handle to hold force between pipes.

Worldwide at Home

Our sales companies and representatives ensure local customer support in over 100 countries.

Your contact

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Available models

IM 315 - Industrial Butt Fusion Machine

Industrial butt fusion machine for pressure piping systems. Designed for PE, PP, PB, PVDF pipes and fittings. Diameter range 90–315 mm, SDR41-11. Segmented joints fabrication possible up to 30°. Fusion pressure adjustment via direct spring load transfer. Hand wheel for easy moving of machine carriage. Fast-locking handle on clamping device. Force measurement by means of analogical pointer. Standard package including wood transport crate, machine specific tools and complete reduction ring set.

IM 315 – D Equipped with a load cell and a digital display for easily readable and precise indication of the welding force.



IM 315 Accessories

Back-stop Suitable for fittings of different geometries, it prevents them from slipping out of clamps during the jointing process.



Tool box For storage and transportation of complete reduction ring set and machine specific tools.



Special transport crate Especially designed for easy transportation of machine and tools on site and to provide the most comfortable working position for the operator.



Outer left/ right clamp To be used in addition to the standard clamping device, particularly for supporting long pipes.



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