

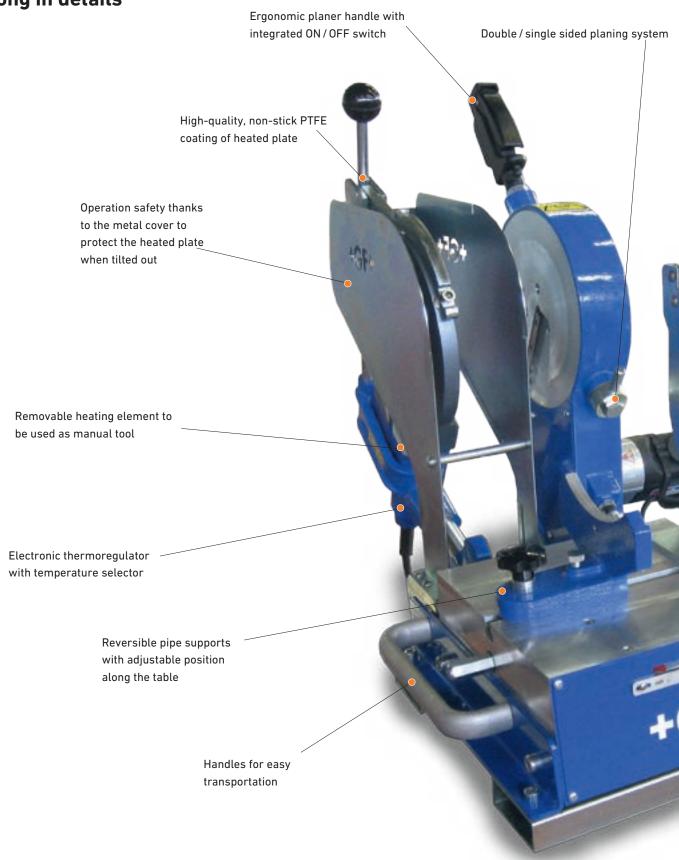
Designed to Perform

Industrial Butt Fusion Machines IM 160-315

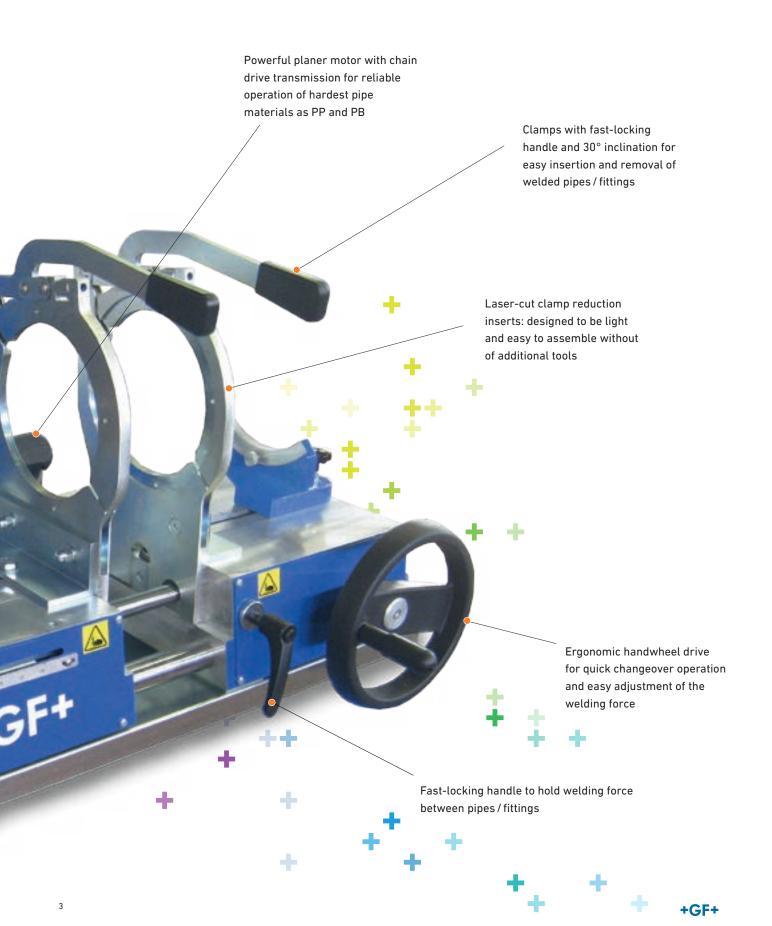


IM 160

* Strong in details

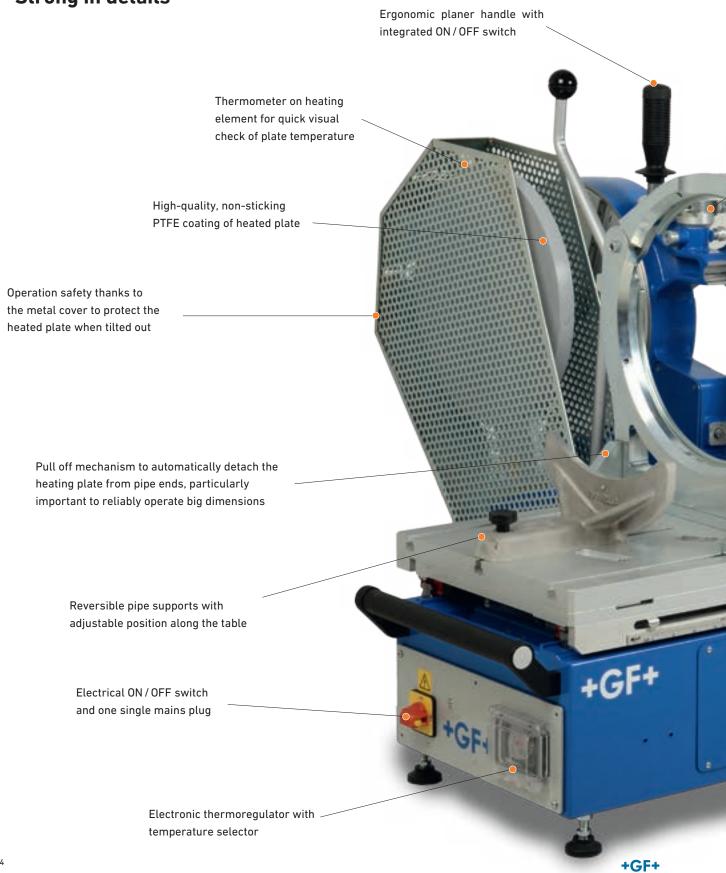


The IM 160 is a mechanical butt fusion machine for industrial applications with pressure piping systems. It combines light weight and high flexibility with a distortion free structure. Designed for straight jointing of PE, PP, PB, PVDF pipes and fittings up to diameter of 160 mm, it incorporates various clever features to simplify the preparation of parts to be connected and to secure a reliable welding process.

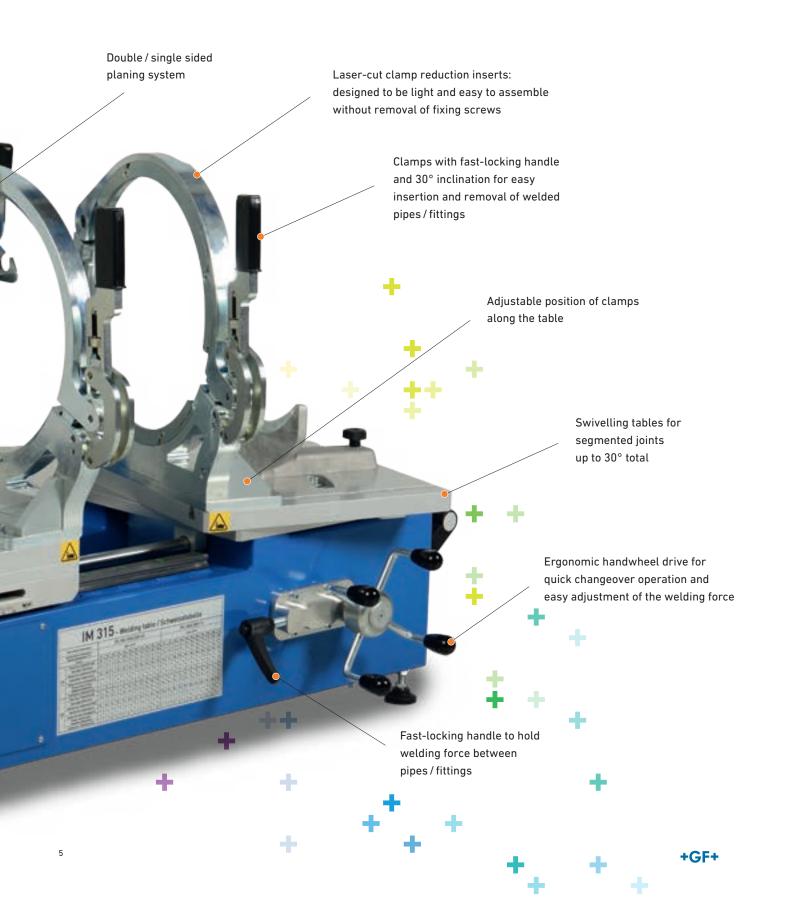


IM 250 & 315

* Strong in details



The IM 250 and IM 315 complete the product range up to sizes d 250 mm and d 315 mm: base machine frame, clamping devices and fusion force transfer mechanism are properly designed to reliably work with bigger pipes and fittings dimensions.



Specifications

IM line has been engineered to be compact, sturdy and highly flexible to meet customer's needs with focus on industrial applications for butt fusion of pipe and fittings with diameter up to 315 mm. Moreover, the machine type SG 125 is also available to integrate the product range: it is specifically designed for socket fusion jointing up to d 125 mm.



Industrial Machines: Highly Flexibile and Strong

The IM butt fusion machines have been developed to provide the highest flexibility and efficiency for the fabrication of pressure pipelines, especially in case of pipe to fitting and fitting to fitting connections. That means they adapt to the various geometries of the parts to be jointed with fast set-up and user-friendly operation. They assure a reliable performance with a wide range of plastic materials (PE, PP, PB, PVDF) and pipe wall thickness from SDR 41 up to SDR 11 (and even more).

* Robust and precise

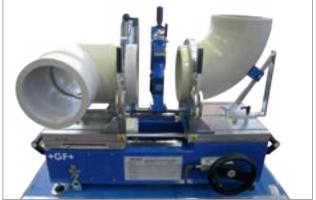


Flexible

sional range.

Easy to use

fittings preparation.



These machines are compatible with all GF plastic fittings thanks to the properly designed clamp geometry, the narrow clamp reduction inserts and the adjustable pipe supports. The single side planing mechanism permits a precise calibration of pipes/fittings length during the preparation. IM 250 and IM 315 also provide swivelling clamp tables to make angular joints up to 30° total.

The IM machines include several features to make the operator's job easier: the fast-locking handles and the light clamp reduction inserts are designed to speed up the pipes/

The ergonomic and high sensitivity handwheel drive permits to finely adjust the welding force and to comply with the change-over time within the complete pipes / fittings dimen-



Reliable

The operation performance is secured by the combination of the sturdy machine frame, the powerful planer with chain drive (IM 160) or gear transmission (IM 250 and 315), the electronic temperature controller and the handwheel with integrated gearbox. IM 250 and IM 315 also include an automatic pull-off mechanism to detach the pipe ends from the heated plate, that is especially needed in case of big pipes/fittings dimensions.

⁷ +GF+

IM Machines: The Right Solution for Your Application

The technical development in close collaboration with end users assures the proper performance to fulfill the customer's requirements for industrial and building technology installations. The IM machines work hand in hand with the specialists on site.

Great experience from the jobsite



IM suits all

A key success factor when providing solutions for industrial applications is to warrant safe and reliable connections with the variuos plastic materials and fitting types used for prefabrication and on site construction of pressure pipelines. The IM line offers a comprehensive product range to fit all the possible combinations.



Optimize your job

High precision, strenght and easy handling provided by the IM butt fusion machines ensure an high quality standard through an efficient jointing process to make your projects more profitable.

A complete set of accessories and tools is also available to provide more comfort in use and to further extend machine configuration flexibility.



Designed for your working environment

IM butt fusion machines have been developed with extreme focus not only on performance but also on operational reliability and safety for the use in the workshop and on the jobsite.

Your contact

Georg Fischer Piping Systems Ltd

Ebnatstrasse 111 8201 Schaffhausen / Switzerland Phone +41 52 631 11 11 info.ps@georgfischer.com www.gfps.com



GFPC 6431