

# JOINPLANT

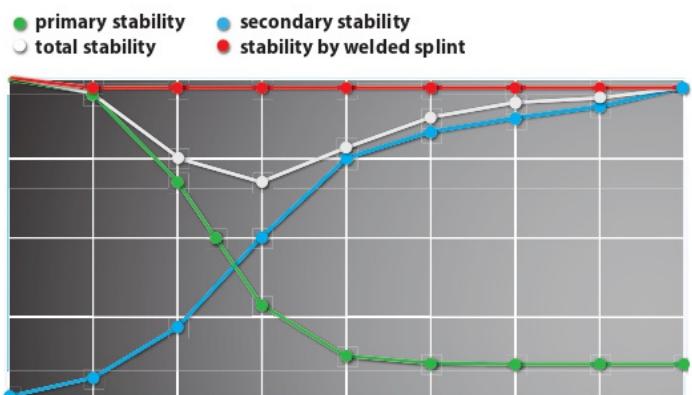
## Intraoral Welder



It is a CE marked medical device used to join and stabilize immediate loading implants with a rigid splint in order to break down the masticatory forces applied on implants during healing and osseointegration. By means of a welding clamp endowed with copper electrodes, a pre-fabricated titanium bar is welded to the implant abutments directly in the oral cavity: an intense electric discharge passes through the contact point between the two titanium elements for a very short

time (few milliseconds) without heating the surrounding tissues. The current flowing between the titanium elements warms up the point of fusion, achieving a solid welded junction. Such rigid fixation reduces the mechanical stress exerted on each implant during mastication and prevents the risk of micromovements, thus favouring the stability of the implants during the early stages of bone integration.

There is no risk for the patient since during the welding process the pliers are automatically disconnected from the mains and the heat produced is dissipated through the copper electrodes thanks to the greater thermal conductivity of copper compared to titanium.



## SPECIFICATIONS

Label data			
Manufacturer	Swiss & Wegman Srl		
Model	JOINPLANT		
Power supply	115-230V AC		
Network frequency	50-60 Hz		
Input average power	10 W		
Maximum peak power (during welding phase)	1 KW		
Medical Device Class	2 B		
Insulation Class	I - Handpiece Type BF		
Protection against anesthetic	Equipment not suitable for use in the presence of a flammable anesthetic mixture with oxygen or nitrous oxide.		
IP degree of protection	IPX0		
Mode of use	Continuous operation		
Working conditions Temp./RH/Press.	10°C - 35°C	30% - 90%	700 - 1100 hPa
Storage conditions Temp./RH/Press.	5°C - 50°C	30% - 90%	700 - 1100 hPa
External connections	Pedal		
Size	28x27.5x19 cm (length x width x height)		
Weight	About 7 kg		

## Accessories included

- Control Pedal
- Welding Clamp
- Electrodes
- Cable Anti Shock System



## Opzional Accessories

- Two cables for the welding clamp
- Welding Clamp
- Classic electrodes
- Pointed electrodes
- Tapered electrodes



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