



WELD THE WORLD

Pioneer 321/401 MKS/MSR



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MIG/MAG Synergic

Pioneer 321/401 MKS/MSR

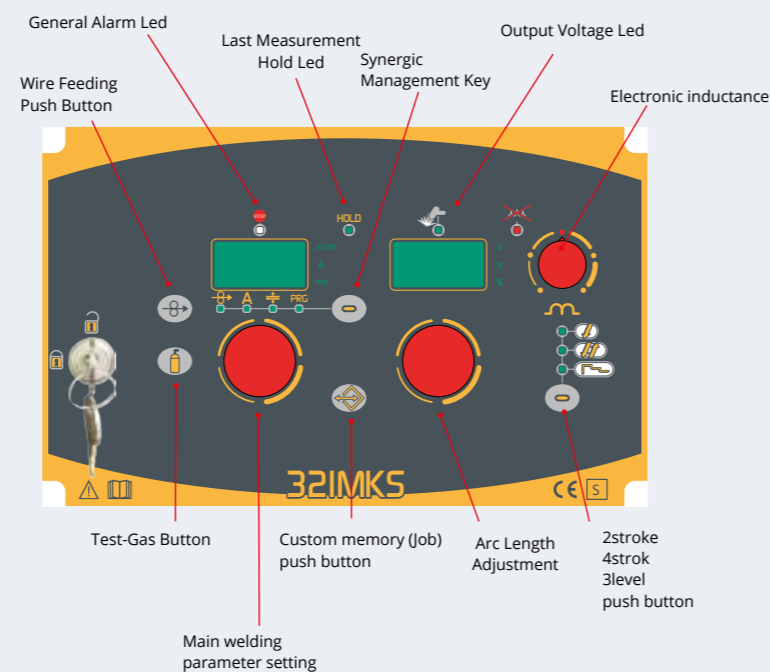
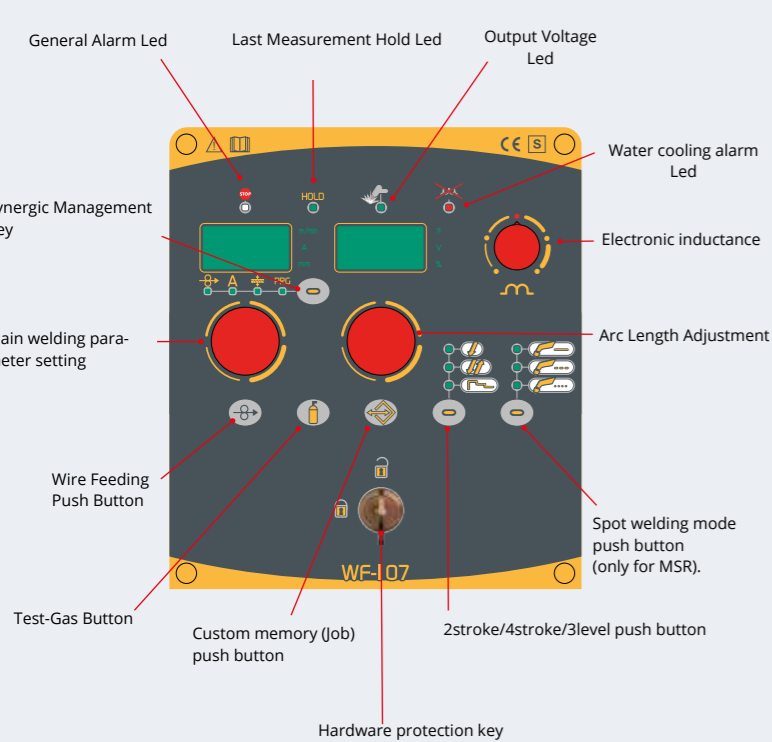
Technical Data



Front Panel WF107



Front Panel MKS



	Pioneer 321 MKS/MSR		
	3x400Vac ± 15% @ 50-60Hz		
	16A		
	MIG/MAG		
$\%_{40^{\circ}\text{C}}$	45%	60%	100%
$\cdot I_2$	320A	280A	230A
I_2	30A - 320A		
U_o	50V		
P_{MAX}	11,6KVA - 11,1KW		
IP	23		
	1110 x 550 x 805 mm	1110 x 550 x 925 mm	
	75,6 Kg (MKS)	99,6 Kg (MSR)	

	Pioneer 401 MKS/MSR		
	3x400Vac ± 15% @ 50-60Hz		
	25A		
	MIG/MAG		
$\%_{40^{\circ}\text{C}}$	50%	60%	100%
$\cdot I_2$	400A	360A	320A
I_2	20A - 400A		
U_o	53V (9V)		
P_{MAX}	18,8KVA - 15,5KW		
IP	23		
	1110 x 550 x 805 mm	1110 x 550 x 925 mm	
	78,0 Kg (MKS)	102,0 Kg (MSR)	

TECHNOLOGY



PROCESSES

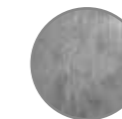


MIG MAG

MATERIALS



Aluminium



Mild steel



Stainless steel

INDUSTRY



Industry



Shipyard



Heavy Industry



Maintenance



W.ECO Technology Inside

W.ECO technology according to EN-60974-10, reduces harmonic current emissions.

Pioneer 321/401 MKS/MSR

Technology and Functions

Pioneer 321/401 MKS/MSR

Technology and Functions



- Soft and very stable welding arc.
- Low heat input both in Short and Spray Arc.
- Small Globular arc range. Welding is always perfect.
- Low spattering even with a high level of CO2 mixed gas
- Quality of weld beams is just like the one you have in pulsed welding.
- Inductance and start/finish parameters are optimized in the synergic setting.
- Recommended for special applications like welding on Laser cut sheets without reworking, fillet welds on thin sheets with small deformations, and low residual stress. Accurate when you need to weld plates with relevant gaps...



THIN PLATES

HAC gives smooth and controlled short arc at lower parameters too. Low spattering, good edge wetting, low heating and small deformation are achieved in thin plate welding.

SPRAY ARC

HAC allows you to have a short spray arc with better penetration of the root, lower heat input and higher welding speed with no edge cutting and spattering.

WELDING POSITION

HAC gives an optimal fusion of the bead's edges in short arc welding and to make overhead and vertical up position welding easier.

PG POSITION:

HAC allows thin plates welding in vertical down position with gap up to 5mm wide..



3T SPECIAL:

Allows you to set and recall 3 different current levels by pushing the trigger switch in order to achieve top quality weld beads: Highly recommended for Aluminum welding.



LIVELLO 3

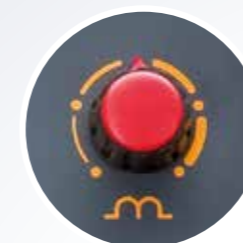
A low current ends the welding optimally by filling the crater on weld beads.

LIVELLO 2

The welding current is optimized with the plate thickness and the requested weld.

LIVELLO 1

A correct initial current gives optimal penetration from welding start.



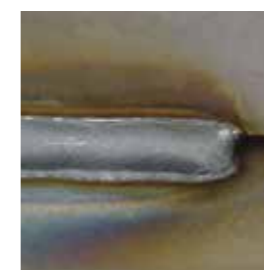
DIGITAL INDUCTANCE

- allows you to optimize arc dynamic in any welding condition.
- step-less regulation.
- Precise and complete synergic settings.



BURN BACK:

An optimal wire cutting at the end of welding helps perfect starts.



SOFT START:

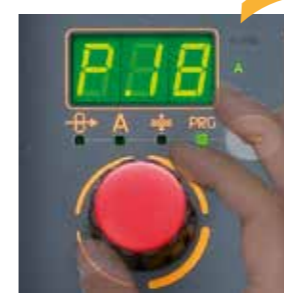
Approaching speed of wire and welding dynamics are totally synergic giving low spattering at start, in any type of material.



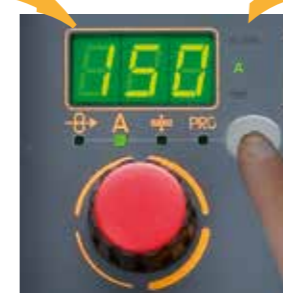
PUNTATURA:

Dedicated controls, low spattering and high execution-speed allow you to get perfect welding spots.

EASY SELECTION OF SYNERGIC WELDING CURVES



Set of the desired Synergic Curve



Select main welding parameter



Set main welding parameter



Welding!

Pioneer 321/401 MKS

Pioneer 321/401 MSR



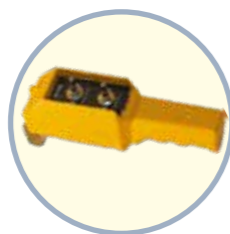
TWIN FEEDER



ACCESSORIES



**RC 04
REMOTE CONTROL**



**RC 06
REMOTE CONTROL**



TORCIA UP & DOWN



KIT PUSH PULL



PLUS



STRUCTURAL STRENGTH

The structural solidity ensures excellent performance even in the occurrence of significant external stresses.



ROBUST WHEELS

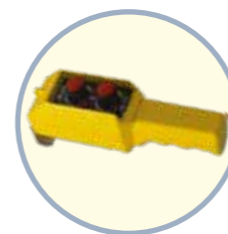
The strong wheels of the trolley ensure easy transport even with difficult work area.



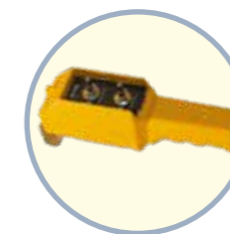
EASY CARRIAGE

The solid and handy trolley makes it easy to move around the various workplaces.

ACCESSORIES



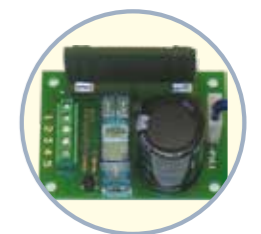
**RC 04
REMOTE CONTROL**



**RC 06
REMOTE CONTROL**



TORCIA UP & DOWN



KIT PUSH PULL

A solid industrial activity, where the production is based on substantial investments for the supporting of research, projection and continuous testing.

Since 1997 Weco has been producing and selling welding machines

Both registered office and production plant are based on the north east of Italy. Our offices, technical/project department, production and warehouse are able to serve both our national and international sales net. A wide range of welding machines together with a huge stock, allow us to encounter and fully satisfy our customers' requests in short time.

A dynamic management supported by solid experience on the main sales' arguments and a deep knowledge on the application issues, allow this company to be ahead in the welding sector.

WECO means better solution for improving the production, optimizing the intervention time, minimizing the processes' costs, with the highest perform-standards granted.



WELD THE WORLD

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Dealer