Pioneer 403/503 MSR





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Pioneer 403/503 MSR

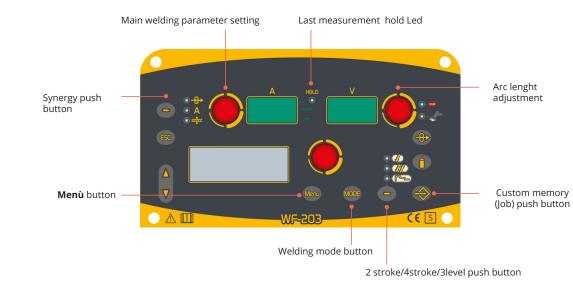
/MIG MAG Synergic

Pioneer 403/503 is a professional synergic 3 Phase Inverter Power Source with separated wire feeder for MIG-MAG short spray welding of different materials such as standard steels, inox and aluminum. The 400A duty cycle at 100% (40°C) allows you to work continuously, even with applications requiring high work cycles. The special Power Focus function allows to achieve higher penetration and lower risk of sticking, increased welding speed, higher arc stability even with long stick-outs, lower costs of joint preparation and reduced volumes of bevels to be filled. The special Power Root arc permitts to reach an optimal first pass, high quality of descending vertical welding, excellent operability, cold transfer of welding drop, perfectly jointed thin metal sheets, it is also ideal for welding joints with large gaps.



The wire feeder 203 is equipped with an user - friendly control panel that ensures quick access to all parameters on the workstation







WECO

Special Functions / Power Focus

/ Power Root



Power Focus

The special Power Focus function has been designed to reduce total welding costs, reducing the total number of joints to be welded.

Features

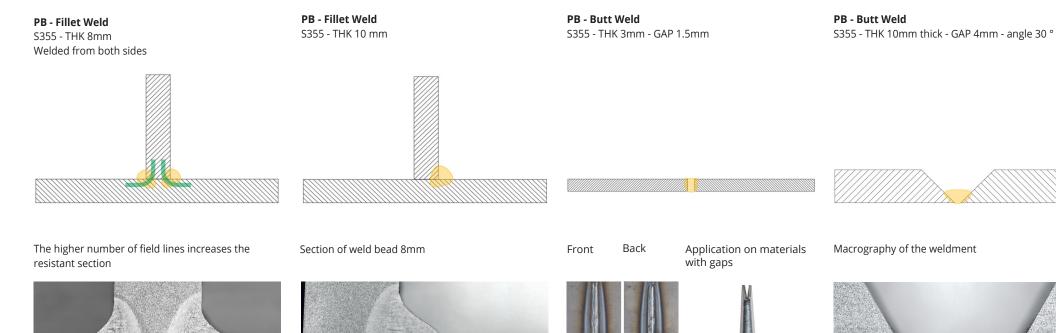
- Higher penetration and lower risk of sticking
- Increased welding speed
- Higher arc stability even with long stick-outs
- Lower costs of joint preparation
- Reduced volumes of bevels to be filled

Power Root

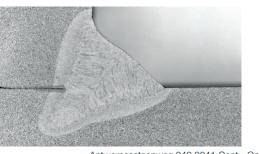
The special Power Root function is a short arc transfer, controlled with a cold drop which ensures a very high quality during the root passes.

Features

- Optimal first pass
- Quality of descending vertical welding
- Excellent operability
- Cold transfer of welding drop
- Perfectly jointed thin metal sheets
- Ideal for welding joints with large $\operatorname{\mathsf{gap}}\nolimits s$







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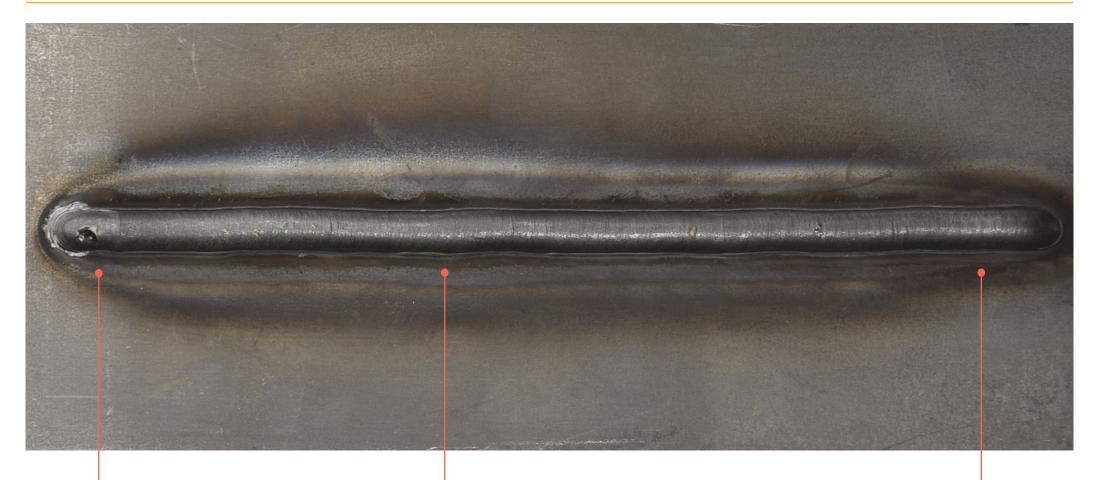


LASSEN | MACHINES | GEREEDSCH





Innovation





Arc Strike

The new starting system controlled by Weco Digital Control technology ensures optimal strikes to be achieved at all time, avoiding initial blows and minimizing the likelihood of spatters. All this in any operating conditions.



Stable Arc

The **HAC control System** allows metal melting to be immediately balanced. This almost entirely removes any splashes in the initial welding stage and the weld bead remains stable from beginning to end.



Arc Strike

The innovative arc control **HAC (Hybrid Arc Control)** ensures optimal strikes to be achieved at all time, avoiding initial blows and minimizing the likelihood of spatters. All this in any operating conditions.

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Dust Test

An initial, very strict test, to ensure safety of all electronic parts of the generator. The **Pioneer 403/503 MSR** is fully insulated from the ingress of dust due to grinding operations or to other reasons, which could cause the electronic components to fail.

Vibration Test

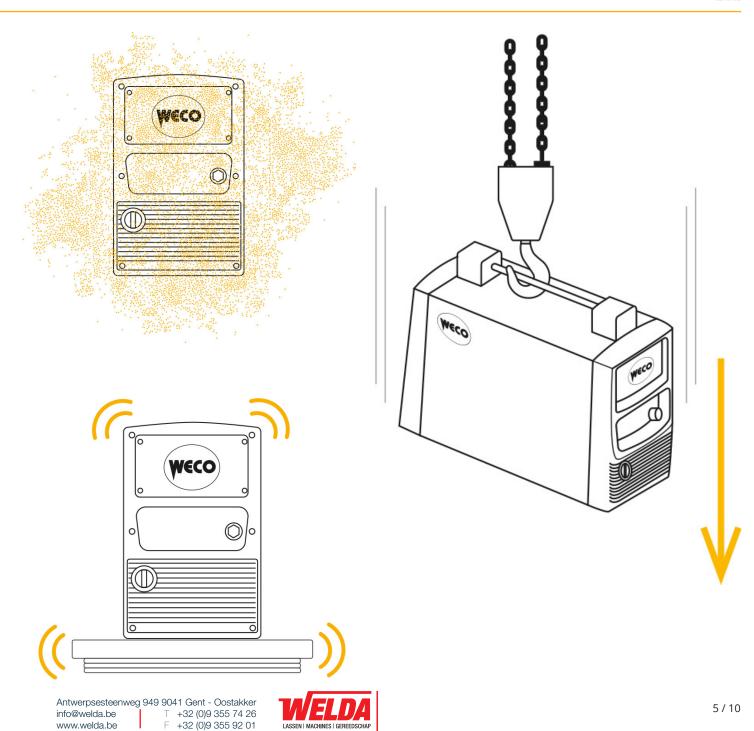
To ensure the structural stability of the inverter and to allow the welding machine to be used in any environment, including those subjected to vibrations, such as on board of lorries, ships or other unstable structures. Each internal component of the **Pioneer 403/503 MSR** is securely fixed and free from vibrations.

Safety Tests

The **Pioneer 403/503 MSR** has brilliantly passed all safety tests: IP tests, drop tests and stability tests on an inclined plane. Total safety is ensured in any working conditions.

Welding Test

The **Pioneer 403/503 MSR** is totally reliable, having been subjected to welding tests for over **3000 hours**. Its performance is ensured in any working location and in any part of the world, in environments with different temperatures and ambient conditions.



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Configurations



Pioneer 403/503 MSR Basic

Pioneer 403/503 MSR Air

Pioneer 403/503 MSR full optional

Pioneer 403/503 MSR with Trolley L





Accessories









Wheels Kit WF

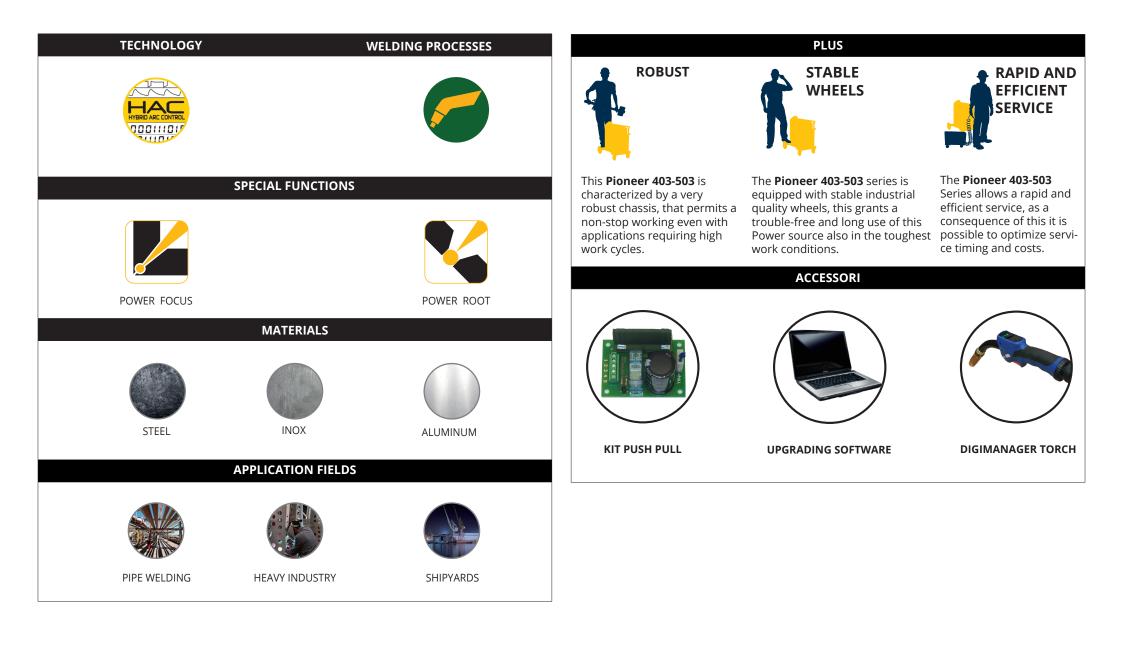






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Technical Data



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Technical Data



	Pioneer	403 MSR	
D₽⊃	3x400Vac ± 15% @ 50-60Hz		
	T 25A		
	MIG/MAG		
% 40°C	100%		
►I ⁴	400A		
I2	10A – 400A		
U₀	62/10 V		
Рімах	17,7kVA – 15,2 kW		
IP	23		
14	460 x 990 x 1370 mm		
ට්රීඊ	110 Kg		
	Pioneer	503 MSR	
₽₽	3x400Vac ± 15% @ 50-60Hz		
	T25A		
	MIG/MAG		
% 40°C	30%	60%	100%
►I₂	500A	430A	400A
I_2	10A – 500A		
U₀	62/10 V		
Рімах	25,1kVA – 22,4kW		
IP	23		
14	460 x 990 x 1370 mm		
Ôôô	110 Kg		

	14/5202	
	WF203	
	42VDC	
Рмах	120W	
r.p.m	270	
	1,5 - 24,0m/min	
*	n°4 (ø37mm - ø19mm) Fe 0,6 - 1,6mm Al 0,8 - 3,2mm FCW 1,0 - 3,2mm	
	200mm (5kg) - 300mm (15kg)	
IP	23	
12,	680 x 280 x 380 mm	
ÔÔô	15,8 kg	
	CU23	
	1x400Vac ± 15% @ 50-60Hz	
	T 1.6 A	
	0,95kW	
P MAX L / MIN	2.8kW	
Рмах	0,32MPA (50HZ) - 0,43MPA (60HZ)	
	4.51	
IP	23 S	
14	720 x 290 x 235mm	
ට්රිඊ	30,0 kg	



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A well-established industrial concern whose reliability of products is ensured by its considerable investments in research, design and testing.

WECO has been producing and selling welding equipment since 1997. Its registered office and operational site, located in the northeast of Italy, includes offices, a production area, a design and storage area, which cover the requirements of a wide national and international sales network. The wide range of welding machines and the availability of a large warehouse allows us to meet the varying needs of our customers within a short period of time. Our dynamic management, our proven experience in sales issues, as well as our knowledge of application problems ensure our company a leading edge within our industry. WECO provides solutions that improve productivity, optimise intervention times, minimise operating costs, ensuring excellent performance at all times, in any operating conditions.

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