



IROB 401 WELDING POWER SOURCE FOR ROBOTIC WELDING



Do you need to increase your productivity or are you struggling with heat input?

The mX Kinetic process - the process with the lowest possible heat input in the welding industry - is the perfect solution for this challenge (model 501 PRO).

Do you want to suppress or reduce welding spatter?

With the mX Clean process you can achieve an extremely stable arc. Weld open root seams without pool support and without post-processing (models 401, 501, 501 PRO).

Does high-quality welding with a TIG seam pattern seem impossible to you?

The mX Move DC process solves this problem - especially when welding aluminum (models 401, 401 AC/DC, 501, 501 PRO).

Is the required penetration depth critical for you?

With the Penetration Control function you can achieve your goal.

Interruptions, burn-back and the like cause unnecessary downtime?

With the new iROB robot power sources, these problems are a thing of the past.

The current range covers the entire spectrum of processes. All materials, including aluminum, nickel and stainless steel, low and high alloys or galvanized alloys can be welded with the iROB power source series with welding wire from 0.8 mm to 1.6 mm.

Special functions

mX Move DC

- Recommended for medium sheet thickness, fillet welds & butt joints
- TIG weld pattern
- 20% faster than TIG welding
- All welding positions

mX Clean

- Recommended for structural steel, stainless steel, open root joints
- Gas-free welding
- Very little spatter
- Uniform weld seam geometry
- No bath support required
- Stable arc with pure CO₂

mX Standard

- Recommended for all base materials, filler metals & shielding gases
- Standard DC welding process without pulse
- From short arc with low energy to spray arc with high power

mX Pulse

- Recommended for all base materials, filler metals & shielding gases
- Extensive application possibilities
- Standard and high-quality welding
- Different penetration profiles
- Compared to X-Standard: less heat input, welding spatter and welding fume emission



Duty cycle 50%	400 A
Duty cycle 60%	380 A
Duty cycle 100%	370 A
Welding current max.	400 A
Voltage	3x400 V
Mains fuse	32 A
IP protection class	IP23
Length	395 mm
Width	710 mm
Height	775 mm
Weight	93 kg
Cooling type	Air