



BUILDING THE FUTURE



**Robotic Interface
Digital and IO available
for all XM Series**



MX600 W



MX500 W



TECHNICAL SPECIFICATIONS

Input Voltage	400 V	400 V
Mains Voltage Tolerance	- 10 % / + 15 %	- 10 % / + 15 %
Minimum Welding Current	5 A	5 A
Maximum Welding Current	600 A	600 A
MIG Duty Cycle, 40°C	600 A %60, 500 A %100	600 A %60, 400 A %100
TIG Duty Cycle, 40°C	600 A %60, 500 A %100	600 A %60, 400 A %100
MMA Duty Cycle, 40°C	600 A %60, 500 A %100	600 A %60, 400 A %100
Open – Circuit Voltage	60 V	60 V
Factory Delivered Roller	1.0 + 1.2 mm / Steel	1.0 + 1.2 mm / Steel
Weight	Water Cooled 119 kg	Water Cooled 115 kg
Standard Accessories	5 m Power Cable (4 x 6 mm ²) 3 m Earth Clamp (70 mm ²) Interconnection H.P (5 m) 4 m 500 A Torch Remote Controlled	5 m Power Cable (4 x 6 mm ²) 3 m Earth Clamp (70 mm ²) Interconnection H.P (5 m) 4 m 500 A Torch Remote Controlled
Dimensions (W, L, H)	530 mm x 1270 mm x 1050 mm	1040 mm x 532 mm x 1347 mm
Certification	CE	CE

MX350 W



400 V
- 10 % / + 15 %
5 A
325 A
350 A %60, 300 A %100
350 A %60, 300 A %100
350 A %60, 300 A %100
60 V
1.0 + 1.2 mm / Steel
Water Cooled 91 kg
5 m Power Cable (4 x 4 mm²)
3 m Earth Clamp (50 mm²)
Interconnection H.P (5 m)
4 m 500 A Torch Remote Controlled
530 mm x 950 mm x 1050 mm
CE

MX270 CW



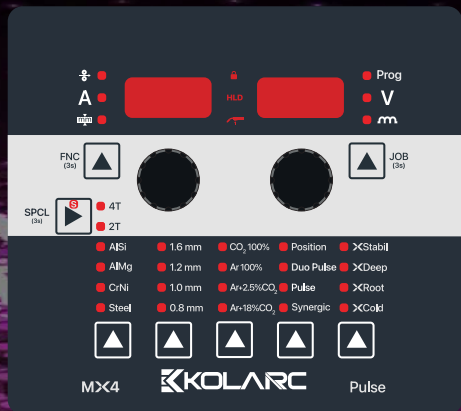
400 V
- 10 % / + 15 %
5 A
270 A
270 A %60, 210 A %100
270 A %60, 210 A %100
270 A %60, 210 A %100
60 V
0.8 + 1.0 mm / Steel
Water Cooled 61 kg
4 m Power Cable (4 x 2.5 mm²)
3 m Earth Clamp (50 mm²)
Gas Hose (1.5 m)
4 m 320 A Torch Remote Controlled
530 mm x 950 mm x 1050 mm
CE

MX220 C



230 V
- 10 % / + 15 %
5 A
150 A
150 A %25, 110 A %60, 90 A %100
220 A %25, 110 A %60, 90 A %100
170 A %25, 110 A %60, 90 A %100
60 V
0.8 + 1.0 mm / Steel
Air Cooled 27 kg
4 m Power Cable (3 x 2.5 mm²)
3 m Earth Clamp (16 mm²)
Gas Hose (1.5 m)
4 m 250 A Torch Remote Controlled
245 mm x 450 mm x 610 mm
CE

Whether It's Manual Or Robotic. 406* welding programs Experience

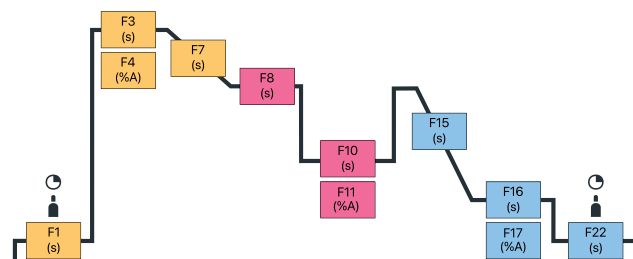


Intuitive User Interface

*Welding jobs for 1.6 Wires are just available for 500 and 600 models.

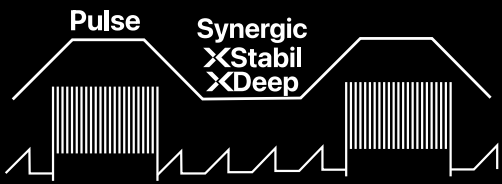
Synergic - Pulse		0.8	1.0	1.2	1.6	
SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	8	10	12	16	
	Ar+10%CO ₂	18	20	22	26	
	CO ₂ 100%	28	30	32	36	
CNI	Ar+2.5%CO ₂	318 / 1.4576	38	40	42	46
		316 / 1.4430	68	70	72	76
		310 / 1.4842	520	522		
		309 / 1.4332	538	540	542	546
		308 / 1.4316	58	60	62	66
		307 / 1.4370	48	50	52	56
		Duplex 2209 1.4462	78	80	82	86
		Ar+20%He+2%CO ₂	88	90	92	96
CuSi	Ar100%	178	180	182	186	
	Ar+2.5%CO ₂	558	560	562	566	
CuAl	Ar100%	188	190	192	196	
CuSi Brazing	Ar100%	198	200	202	206	
CuAl Brazing	Ar100%	208	210	212	216	
	Ar+2.5%CO ₂	218	220	222	226	
AlMg4,5 Mn	Ar100%	118	120	122	126	
	Ar+30%He	128	130	132	136	
AlMg3	Ar100%	530	532	536		
AISI	Ar100%	138	140	142	146	
	Ar+30%He	148	150	152	156	
Al99	Ar100%	158	160	162	166	
	Ar+30%He	168	170	172	176	
XDeep - Pulse		0.8	1.0	1.2	1.6	
SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	298	300	302	306	
	Ar+10%CO ₂	308	310	312	316	
CNI	Ar+2.5%CO ₂	318 / 1.4576	620	622	626	
		316 / 1.4430	640	642	646	
		310 / 1.4842	660	662		
		309 / 1.4332	670	672	676	
		308 / 1.4316	320	322	326	
		307 / 1.4370	632	636		
		Duplex 2209 1.4462	650	652	656	
		Ar100%	332	336		
AISI	Ar100%	342	346			
Al99	Ar100%	352	356			
CrNi / FluxCore Metal	Ar+18%CO ₂	608	610	612	616	
XRoot - Pulse		0.8	1.0	1.2	1.6	
SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	360	362			
	CO ₂ 100%	370	372			
	Ar+10%CO ₂	500	502			

XCold - Pulse		0.8	1.0	1.2	1.6
SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	378	380	382	386
	CO ₂ 100%	388	390	392	
	Ar+10%CO ₂	510	512		
CNI	Ar+2.5%CO ₂	318 / 1.4576	678	680	682
		316 / 1.4430	698	700	702
		308 / 1.4316	398	400	402
		307 / 1.4370	688	690	692
		Duplex 2209 1.4462	708	710	712
AlMg4,5 Mn	Ar100%	410	412		
AISI	Ar100%	420	422		
Al99	Ar100%	430	432		
CuSi Brazing	Ar100%	438	440	442	
CuAl Brazing	Ar100%	448	450	452	
AISI Brazing	Ar100%	460	462		
ZnAl Brazing	Ar100%	470	472		
ZnAl (St to Al Welding)	Ar100%	490	492		
Mg / Mg	Ar+30%He	572	576		
Cladding		0.8	1.0	1.2	1.6
NiCr-6625 / 2.4831	Ar+30%He	100	102	106	
	Ar+20%He+2%CO ₂	110	112	116	
NiCr-6617 / 2.4627	Ar+30%He	552	556		
	Ar+2.5%CO ₂	542	546		
Co - Based	Ar100%	532	536		
XStabil		0.8	1.0	1.2	1.6
SG2 / SG3 - G3Si1 / G4Si1	Ar+18%CO ₂	730	732		
CrNi - 316 / 1.4430	Ar+2.5%CO ₂	750			
CrNi - 308 / 1.4316	Ar+2.5%CO ₂	740	742		
Flux Cored Wire		0.8	1.0	1.2	1.6
Steel / FluxCore Metal	Ar+18%CO ₂	238	240	242	246
	Ar+18%CO ₂	248	250	252	256
Steel / FluxCore Rutil	CO ₂ 100%	262	266		
	Ar+18%CO ₂	672			
CrNi / FluxCore Metal	Ar+2.5%CO ₂	272	276		
CrNi / FluxCore Rutil	Ar+18%CO ₂	282	286		
CrNi / FluxCore Rutil	CO ₂ 100%	292	296		
Steel FluxCore High Str.	Ar+18%CO ₂	592			
Steel / FluxCore Rutil	Self Shielded	720	722		
Application					
	MIG/MAG Manual	4			
	TIG (Lift Arc)	5			
	MMA	6			
	Gouging	7			



Function	Description	Min	Max
F01	Gas pre-flow (s)	0	10
F02	Start ignition mode (-)	0	2
F03	Start time (s)	0	10
F04	Start amper (%)	1	200
F05	Start arc correction (v)	-9.9	+9.9
F07	Start slope (s)	0	5
F08	Duo peak time (s)	0.05	10
F10	Duo base time (s)	0.05	10
F11	Duo base amper (%)	1	100
F12	Duo base arc correction (v)	-9.9	+9.9
F15	End down slope (s)	0.05	10
F16	End time (s)	0	10
F17	End amper (%)	1	200
F18	End arc correction (v)	-9.9	+9.9
F20	End burn back (-)	10	200
F21	End wire cut mode (-)	0	2
F22	Gas post-flow (s)	0	10
F23	Smart trigger (-)	0	1
F24	Penetration stabilizer (m/min)	0	5

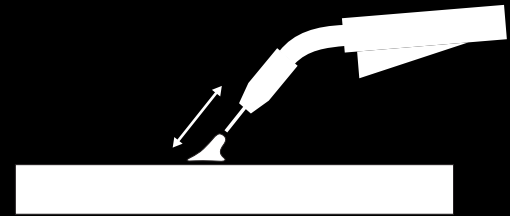
Function	Description	Min	Max
F25	Hot start time (s)	0	10
F26	Hot start amper (%)	1	200
F27	Arc force (-)	-50	+50
F28	Antistick (s)	0	2
F29	VRD function (-)	0	1
MMA			
Function	Description	Min	Max
F31	TIG V stop limit (v)	10	30
F32	TIG comfort stop sensitivity (v)	-2	+2
TIG			
Function	Description	Min	Max
F34	Tack/stich mode (-)	0	2
F35	Other cooling mode (-)	0	-
F36	Motor current (A)	0	-
F37	Motor current limit (A)	0.7	7
F38	Auto load default values (-)	0	1
F39	Motor control firmware (-)	-	-
F40	Power control firmware (-)	-	-
F41	Arc on time (h)	0	-
F42	Machine on time (h)	0	-
F45	Wire speed correction (m/min)	-2	+2
F50	RL cable calibration (mOhm)	0	30
OTHER			



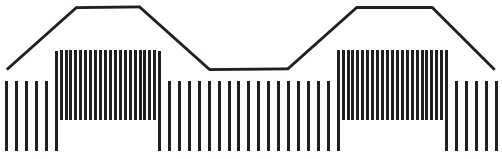
Position



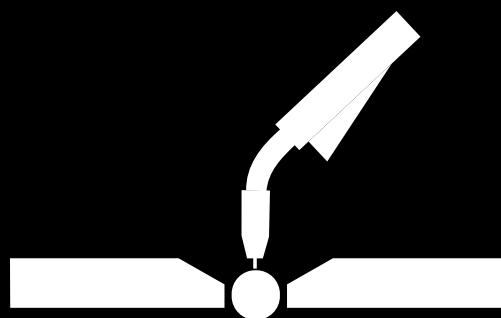
XDeep



XStabil



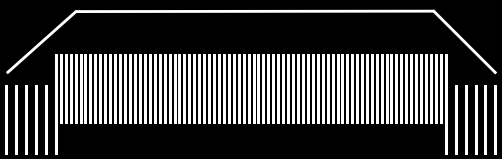
Duo Pulse



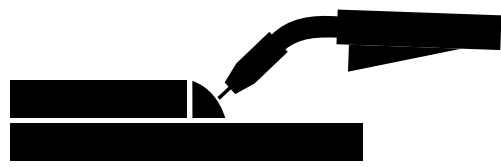
XRoot



**4x4 4 Rollers
Wire Drive**



Pulse



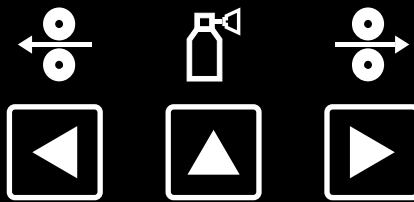
XCold



**Torch Remote
Control**



**25 kHz
Ultra Precise
Wirefeed Encoder**



**Wire Inching
Gas-Purge
Retract**

RL

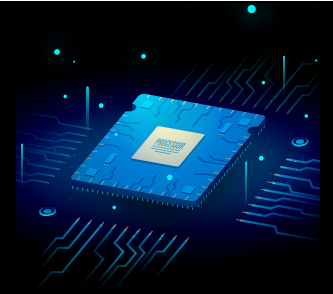
**Torch and Cable
Calibration**

99

**Program
Memory**



**Intelligent
Cooling**



**32 BIT
Microcontroller**



**HP
Support**



**Military
Connector**

RS 485

**High Speed
Communication**

Gun Holder

Compact Wire Feeder

Modular IP21 Design

Touch Sense Ignition

Wire Cut, Sure Start

Wire Calibration

Wire Feeder Cabinet Lighting

Wire Feeder MMA Connection

Gas Saving System

Gas Filter

Water Filter

Extension Cable Rack

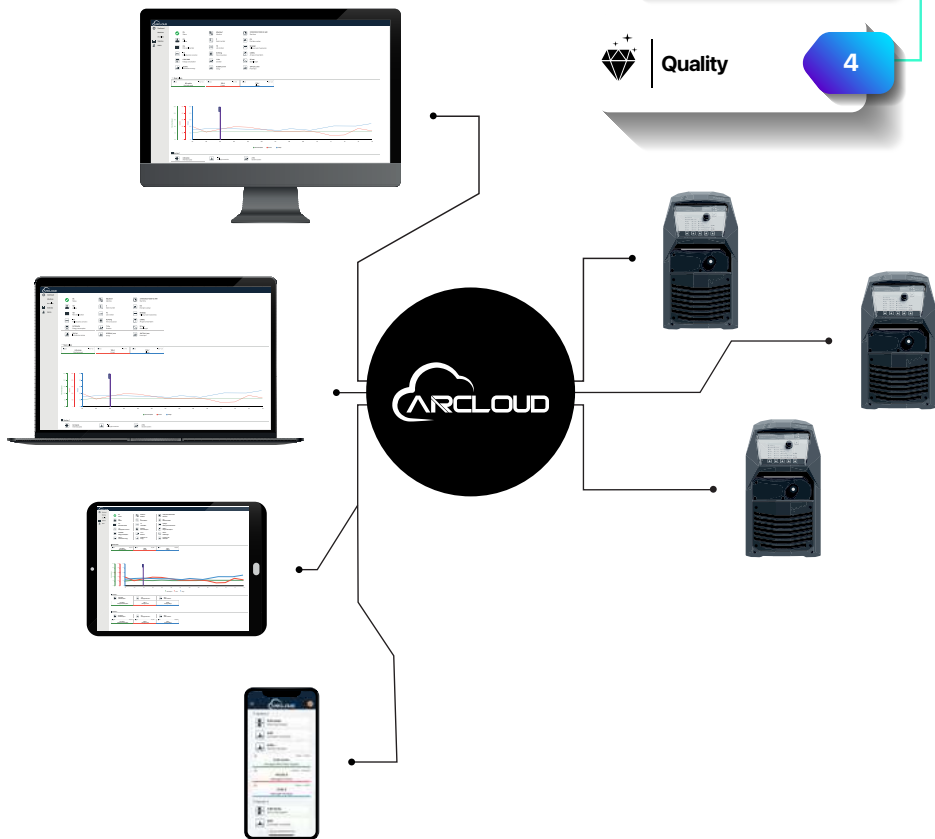
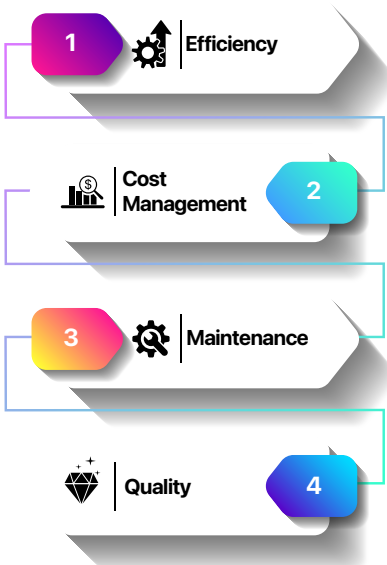
External Changable Couplings

Plug Double Setscrew

Socket Brass-Nut

Industrial Wheels

Optional Wire Feeder Wheels



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