



# K2 MIG 500 SYN

Empowering Precision



**K2 MIG 500 SYN** is an inverter-based three-phase (IGBT) multi-process welding machine for MIG/MAG, (Lift) TIG, and MMA applications. Experience precise control, sophisticated user functions, accurate welding settings, and real-time monitoring through a clear digital display. For standalone power source usage (TIG/MMA), an optional power source panel kit is available.

## Key benefits

- Integrated 4-roll drive wire feed mechanism with a maximum wire spool capacity of 300 mm
- Synergic MIG programs for mild steel, solid, and flux-cored wires
- For standalone power source usage (TIG/MMA), an optional power source panel kit is available
- 2-Year Warranty

## Applications

- Medium and heavy metal fabrication
- Shipyards
- Offshore industry
- Repair applications

## Technical Specifications

CE ISO 14001:2015  
GB/T 19001-2016/ISO 9001:2015  
ISO 45001:2018

K2 MIG 500 SYN			MIG	TIG	MMA
Input voltage	V	3~400±10%			
Frequency	Hz	50/60			
Input current	A		40.5	32,5	41.3
Input power	kVA		28.0	22.6	28.6
Welding current	A		30-500	20-500	20-500
No-load voltage	V		82	13 (VRD)	13 (VRD)
Power factor			0.76	0.75	0.77
Efficiency	%		91.3	89.6	91.1
Duty cycle	A	60% 500 A 100% 390 A			
Wire diameter	Ø mm	0.8-1.6			
Circuit Breaker Standard		LW31-32B-4AB-04/2			
Protection class		IP21S			
Dimensions (mm)	L x W x H	640 x 240 x 450			
Weight	kg	35.6			

## The Basic Welding Expert

By offering quality, efficiency, and value for money in one range, K2 by Kemppi sets a new standard for basic welding. The K2 by Kemppi range offers a comprehensive product portfolio of power sources for MMA, MIG, TIG welding. The power sources are bundled with torches of Trafimet a Kemppi Company, Italy – the world leader in torches over the last four decades, and a part of the Kemppi Group.



[k2welding.net](http://k2welding.net)