TITAN XQ 400 PULS CW EX WI-FI

HIGH-END INVERTER MULTI-PROCESS MIG/MAG PULSE WELDER WITH WI-FI

Technical Data Sheet
Model: TITAN XQ 400 CW EX

The **Titan XQ 400 Puls CW EX WI-FI** is a flagship industrial multiprocess welding system. Combining digital pulse MIG/MAG technology, high-efficiency integrated water cooling (CW), external wire feeder support (EX), and built-in Wi-Fi connectivity, it offers Industry 4.0 data logging, seamless remote monitoring, and exceptional weld seam performance across high-alloy steels and aluminum.

KEY OPERATING FEATURES

- **Integrated Wi-Fi & Industry 4.0:** Wireless data transfer for real-time parameters, WPQR compliance tracking, and remote diagnostics.
- **High-Performance Cooling Unit (CW):** Integrated liquid cooling system ensures maximum torch lifespan during continuous high-amperage duty.
- **Multiprocess Versatility:** MIG/MAG Pulsed, Standard MIG/MAG, MMA Stick, Lift TIG, and Carbon Arc Gouging.
- **Advanced Pulsed Arc Technologies:** Includes specialized pulse curves (forceArc, rootArc, positionArc) for virtually spatter-free welds.
- **EX External Drive Feeder:** Precision 4-roll drive unit housed in an external casing for wide operational radius.
- **Intuitive Digital Interface:** High-resolution graphical display with one-knob Expert control and pre-stored job memories.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION VALUE
Mains Input Voltage / Frequency	400 V ± 15%, 3-Phase, 50/60 Hz
Max. Input Power / Capacity	18.6 kVA / 16.8 kW
MIG/MAG Current Range	5 A – 400 A
MMA Current Range	5 A – 400 A
Duty Cycle (40°C Ambient)	80% @ 400 A / 100% @ 350 A
Open Circuit Voltage (OCV)	82 V DC
Cooling Capacity (CW Unit)	1500 W (Liquid Cooled Tank Capacity: 5.0 L)
Wire Feed Speed Range	0.5 m/min – 25.0 m/min (4-Roll Drive)
Usable Wire Diameters	Ø 0.8 mm – 1.6 mm (Steel, CrNi, Al, Flux-Cored)
Connectivity & Telemetry	Wi-Fi (IEEE 802.11 b/g/n), LAN Port, USB Interface
Protection / Insulation Class	IP23 / Class H
System Weight / Dimensions	128 kg / 1150 mm × 600 mm × 980 mm (on wheels)

APPLICATIONS & INDUSTRY USE

Automotive & Aerospace
High-precision pulsed welding of aluminum bodies, frame members, and stainless assemblies.

Heavy Machinery & Rail
Continuous heavy-plate joints, rolling stock manufacturing, and structural crane gantry work.

Digitalized Production
Automated manufacturing environments requiring real-time WPS monitoring and cloud data logging.

* Ensure the liquid cooling unit is filled with approved anti-freeze coolant before powering on. Connect to a secure Wi-Fi network for cloud data telemetry.