

Welding Solutions

Core Advantages

SELF-DEVELOPED CORE TECHNOLOGIES, ENHANCING PROGRAMMING EFFICIENCY

- Swing welding: Providing triangular, sinusoidal, circular, and figure-eight swing patterns, allowing adjustment of swing frequency, swing amplitude, left-right dwell time, and other parameters to meet welding seam dimensions and forming requirements.
- Torch gesture change: The theoretical operating angle and forward/backward angle can be attached to the teaching point to simplify the teaching method and ensure good weld quality and accuracy of welding gesture.
- Stitch welding: Suitable for single-pass fillet welding and stitch weld seams. This process only requires the relevant points of weld seam through manual guidance, and the welding parameters will choose appropriate weld length, gap length and welding sequence, which simplifies programming logic significantly.

INTELLIGENT ALGORITHMS, OPTIMIZING WELDING QUALITY

- Position search: Providing wire/laser position search to ensure the accuracy of repetitive work.
- Seam tracking: Providing arc/laser tracking to ensure great precision and consistency.
- Monitoring and recording key parameters, established core database offers professional parameters at any time.

ACCESSORY FUNCTIONS ENSURE CONSISTENT WELD QUALITY

- Fine turning: The parameters such as current, voltage, speed, swing, etc., and also the relative position of welding torch can be adjusted during welding process.
- Weld Resumption: When the program is interrupted due to external interference, it can be resumed from paused place without repeating the previous path.



ARC WELDING



LASER WELDING

Model	QINEO StarT 406	Model	RFL-C2000H
Welding output	20A/15V-400A/34V	Rated output power	2000W
60% duty cycle of welding current	400A	Working mode	Continuous/Modulated
100% duty cycle of welding current	350A	Modulation frequency	1-5000Hz
Operating voltage	380V-400V/3-phase	Fiber core diameter	50μm
Dimensions	1270*765*960 mm	Operating voltage	220±10%VAC、50/60Hz
		Dimensions	1270*765*960 mm

Product Features



FLEXIBLE | The welding cart can be flexibly transported, suitable for various scenarios.



VERSATILE | Compatible with domestic and foreign main stream welding machine brands.



MULTIPLE | MIG/MAG, Laser.



REAL-TIME | Welding process parameters can be adjusted in real-time to ensure excellent welding quality.



SAFE

| Interlocking signals between the welding machine and the robot ensure absolute safety.



CONVENIENT

| Modular welding procedure calling, which can be divided into single-pass welding programs, multi-layer, multipass weld seams, and skip welding.



USER-FRIENDLY

| Importing professional parameters from database with one click, and the user teaches weld points only.



ADJUSTABLE

| Easy to check the teaching path by running procedure without arc starting; support manual wire feeding, wire retraction, and gas feeding.