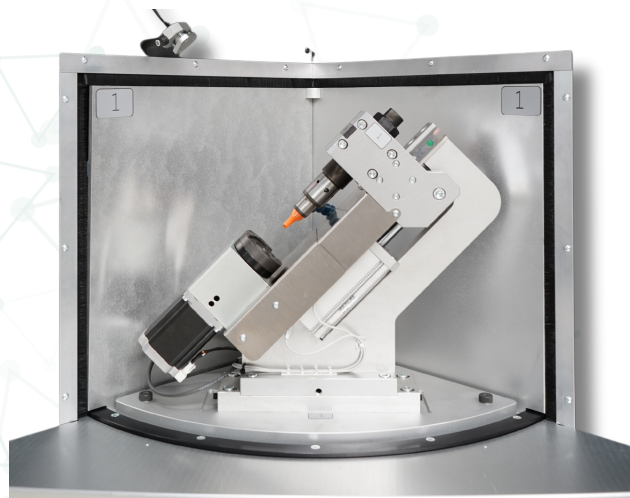


DESCRIPTION

The Flex-Fox4 welding station is a state-of-the-art solution designed specifically for automated production. It offers the flexibility of either manual loading or integration with a pick-and-place system, depending on the specific requirements of the production process.

This welding cell excels in handling automated tasks with ease and efficiency. The centrally arranged loading area provides ample space to accommodate individual parts or magazines, ensuring smooth and uninterrupted production flow. For further optimization, the Flex-Fox4 can be seamlessly connected or retrofitted with a pick-and-place system, enhancing the level of automation and streamlining the workflow.

Equipped with a range of air-cooled fiber laser sources, the Flex-Fox4 offers versatility to meet various power requirements. Whether it's for lower wattage applications or high-power demands, this welding station can be configured with the appropriate laser source, ensuring optimal performance and precise results. Additionally, the machine is designed to be adaptable, allowing for the integration of different processing heads based on specific needs. The optional inclusion of a quick-change system further enhances efficiency by facilitating swift transitions between different processing tasks, reducing downtime and maximizing productivity.



TECHNICAL DATA

MODEL	Flex Fox 4
Net weight	approx.730 kg
Power circuit	380Vac 3P+N+PE
Machine overall dimensions	W 900 x D 1700 x H 2200mm +500 mm radius for screen arm

TECHNICAL CHARACTERISTICS

Operating temperature	16-35 °C
Humidity	20 – 80 %
Supply voltage	400Vac 3P+N+PE
Frequency	
Auxiliary voltage	24 V DC
Maximum permissible laser radiation on the filter of the protective window against reflected and/or diffuse laser radiation	10 mJ at 15 kHz @ 800-1064 nm

LASER SPECIFICATION

Average output power(w)	2000 (customizable)
Central wavelength: (nm)	1080±5
Maximum modulation frequency(kHz)	20
Output power instability	±1.5%
Output Connector	QBH (customizable)
Output fiber core diameter (µm)	50 (customizable)
Beam quality	<1.5
Output fiber length (m)	20 (customizable)
Input power (V AC)	380±10%, Three Phase-four Wire connect
Control Mode	RS232, AD
Power adjustment range (%)	10~100
Dimensions (mm)	414*686*158
Weight (kg)	<50
Cooling method	Water Cooling
Working temperature (°C)	10~40

OVERALL DIMENSIONS

Width	1700 mm
Depth	900 mm
Height	2200 mm
Worktop height	890 mm

MANUAL REVISION MATRIX

EDITION	UPDATE
04/2023	First issue

