

ARXIS

P403, P403L, P503L, P453E



MIG/MAG



ELECTRODE
WELDING



lift TIG



ADVANCED SOLUTION FOR WELDING

Welding process	ARXIS P403L, P503L	ARXIS P403	ARXIS P453E
DC pulse	Steel, Stainless steel, Aluminum, MIG brazing, Inconel, Titanium		
DC wave pulse	Steel, Stainless steel, Aluminum, MIG brazing, Inconel, Titanium		Steel, Stainless steel, MIG brazing, Inconel, Titanium
Low spatter	Steel, Stainless steel	/	/
DC	Steel, Stainless steel, Aluminum, MIG brazing, Flux-cored wire (Fe, CrNi)		
MMA	●	●	●
DC liftTIG	●	●	●



SMART CONTROL OF WELDING PARAMETERS

- » EASY BACKUP OF WELDING PARAMETERS
- » GUIDE FOR EASY SETUP
- » GRAPHICAL DISPLAY OF WELDING PARAMETERS



- » **TOUCH PANEL**
Parameter settings with touch screen or operation knob.
- » **ADJUSTABLE HOME SCREEN**
- » **JOB LOCK AND JOB NAMING FUNCTION**
- » **MULTILINGUAL MENU**

SOLUTIONS FOR EASIER WELDING

CONSTANT PENETRATION

Take advantage of the benefits of consistent weld penetration.

IMPROVED ARC START

Avoid time-consuming wire cutting when welding stainless steel. Arxis devices automatically prepare the wire for the next weld.

LOW SPATTER FUNCTION (P403L IN P503L)

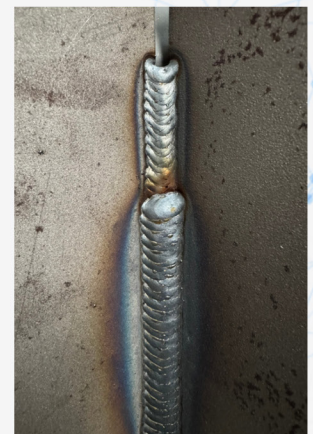
Root weld, welding of thin sheets, welding in constrained positions.



ROOT WELD



WELDING OF THIN SHEETS



WELDING IN CONSTRAINED POSITIONS

- » **LED STATUS BAR**
- » **TOOL-FREE REPLACEMENT OF DRIVE ROLLS**
- » **LED LIGHT FOR INTERIOR ILLUMINATION OF THE FEEDER**
- » **SIDE SLIDING PANELS FOR EASIER MAINTENANCE OF THE WELDING POWER SOURCE**



99 ADVANCED FUNCTIONS

FOR MORE DEMANDING WELDING APPLICATIONS

- » **PULSE WELDING CURRENT STABILIZATION FUNCTION**
For long intermediate cables
- » **FUNCTION FOR CUSTOM CRATER FORMATION**
2T, 4T DC, 4T DC Pulse
- » **FINE ADJUSTMENT OF PULSE CURRENT**
- » **WELDING CURRENT CHANGE**
Increase and decrease the welding current to any pre-set ampere value with a single or double click of the welding torch
- » **ARC TIME OVERVIEW**
- » **CALIBRATION OF WELDING CURRENT**

AND MUCH MORE...

Specifications / Model		ARXIS P503L	ARXIS P403L	ARXIS P403	ARXIS P453E
Rated input voltage		3x400 V	3x400 V	3x400 V	3x400 V
Input Power		27.0 kVA / 24.2 kW	20.8 kVA / 17.8 kW	20.2 kVA / 16.6 kW	23.8 kVA / 20.3 kW
Welding current range		30 - 500 A	30 - 400 A	30 - 400 A	30 A - 450 A
Voltage current range		15.5 - 39 V	15.5 - 34 V	15.5 - 34 V	15.5 - 36.5 V
Open Circuit Voltage		80 V	70 V	80 V	80 V
Standby Power Consumption		49.8 W	45.3 W	45.3 W	45.3 W
Duty Cycle (ED / 40 °C)	60%	500 A	400 A	400 A	450 A
	100%	430 A	370 A	370 A	370 A
IP class		IP 23	IP 23	IP 23	IP 23
Efficiency		80 %	81 %	86 %	85.7 %
Number of JOBS		100	100	100	100
External Dimensions (WxDxH)		water-cooled type: 417×826×757 mm	water-cooled type: 417×826×757 mm	water-cooled type: 417×826×757 mm	water-cooled type: 417×826×757 mm
Weight		water-cooled type: 102 kg	water-cooled type: 94 kg	water-cooled type: 90 kg	water-cooled type: 90 kg

ARXIS x WeldUniverse

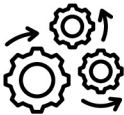
CUSTOM MADE FOR PRODUCTION AND MANAGEMENT

WeldUniverse, through the analysis of statistical data and graphical representations, provides a real-time overview of production. This facilitates planning, organization, management, and control of production and its processes.



Connectivity

Integration with MES and ERP systems and access via smart devices.



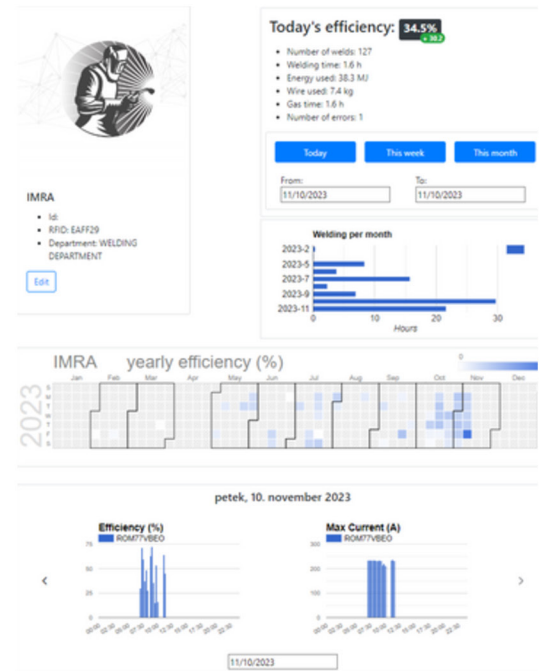
Unburdening of processes

Facilitating work of quality department (QS), welding control, production planning, etc.



Notification of errors

The error notification system enables quick and targeted troubleshooting.



» COMPANY MANAGEMENT

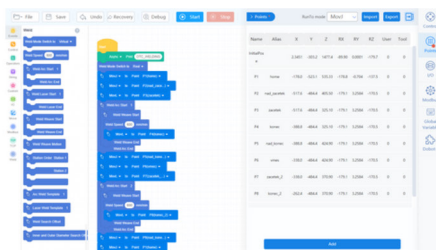
» MANAGEMENT OF WELDERS

» PRODUCT MANAGEMENT

» DEVICE MANAGEMENT

ARXIS x CO-BOT

EASY WAYS TO PROGRAM AND CONTROL



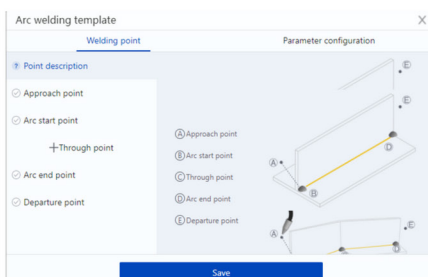
BLOCKY PROGRAMMING LANGUAGE



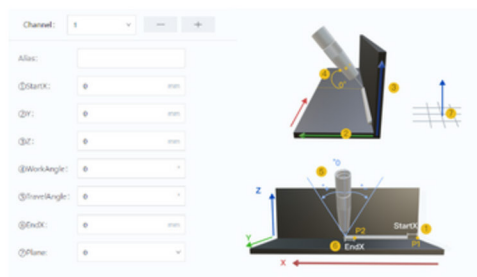
LUA PROGRAMMING LANGUAGE



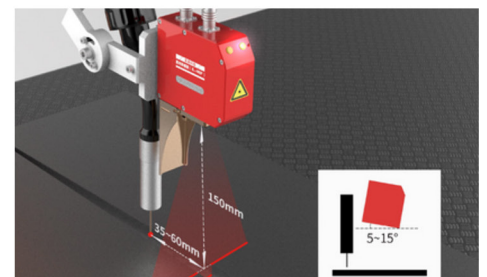
DRAG MODE



WELDING BY ARC TEMPLATE



MULTIPASS WELDING



LASER POSITIONING AND TRACKING