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 www.switchweld.com

NAVIGATOR

Your guide to robotic welding.



SwitchWeld Navigator Welding System

Product Overview

NAVIGATOR

Choose your welding
power supply!



Simplify automated welding Using with **one system.**

The SwitchWeld Navigator™ is a turn-key cobot-based metal working solution designed for welders, not programmers. It makes the robotic welding process simple, quick, and safe through a unique end effector puck that enables precise robot positioning without using a teach pendant.

The Navigator is universally compatible with all popular welding power sources and leverages an AUBO Collaborative robot for safe operation. The system supports easy swap out for all standard welding attachments, allowing you to use your existing welding tools and workflow making it the ultimate all-in-one solution to start automating your welding process painlessly.



Enterprise Ready.



All-in-one

We've included all the hardware and custom software you'll need to get your welding tools, power supply, and cobot communicating right out of the box. The SwitchWeld FUSION software™ is specially designed for AUBO's open architecture cobots so you can get started with cobot based metal working without the headache of additional third party plugins, and unreliable software integrations.



Universal

The SwitchWeld Navigator™ works with your existing welding tools and any power source. We've included all the custom software and hardware you'll need to use your preferred welding power source, regardless of brand or specifications. While the Navigator's included end of arm attachment enables compatibility for any welding tool – so you can switch your welding power source and tool at any time.



Easy to Use

We designed the Navigator™ for welders, not programmers. Meaning it works without a teach pendant or complex programming. Simply use the point, arc, orient, and free drive buttons on the end effector to quickly program the cobot's trajectory by hand. The joystick enables high-precision adjustments for the welding tool so you can ditch jogging joints without losing control over your welding process.



SwitchWeld Navigator Puck Simplifies Operation



Joystick for Precision Torch Tip Adjustment



Included Safe Design Whip Clamps



Works with Any Standard Welding Tool

All SwitchWeld Navigator systems include custom welding software, the SwitchWeld Navigator Puck, an AUBO i-Series Cobot, additional hardware, and welding torch. Additional system configuration options are also available, with customization options for: cobot payload capacities, purchasable welding power supplies, and weld tables.

Powered by AUBO i-Series Cobots

AUBO i5



5kg Payload
625mm Reach
±0.02mm Repeatability

AUBO i10



10kg Payload
1350mm Reach
±0.03mm Repeatability

Preferred Welding Power Sources



Rebel™ EMP 235c
Rebel™ EMP 285c
Warrior™ 400i MV



POWER MIG 256
POWER MIG 360MP
Power Wave® 300C Standard



Millermatic 255 MIG
Millermatic 355
Deltaweld 350 MIGRunner



Power i-MIG 253Dpi
Power i-MIG 353Dpi
POWERMTS 400



TranSteel 2700 C
TranSteel 3000 C Pulse
TPS 270i C PULSE



IronMan 240 MIG Welder