

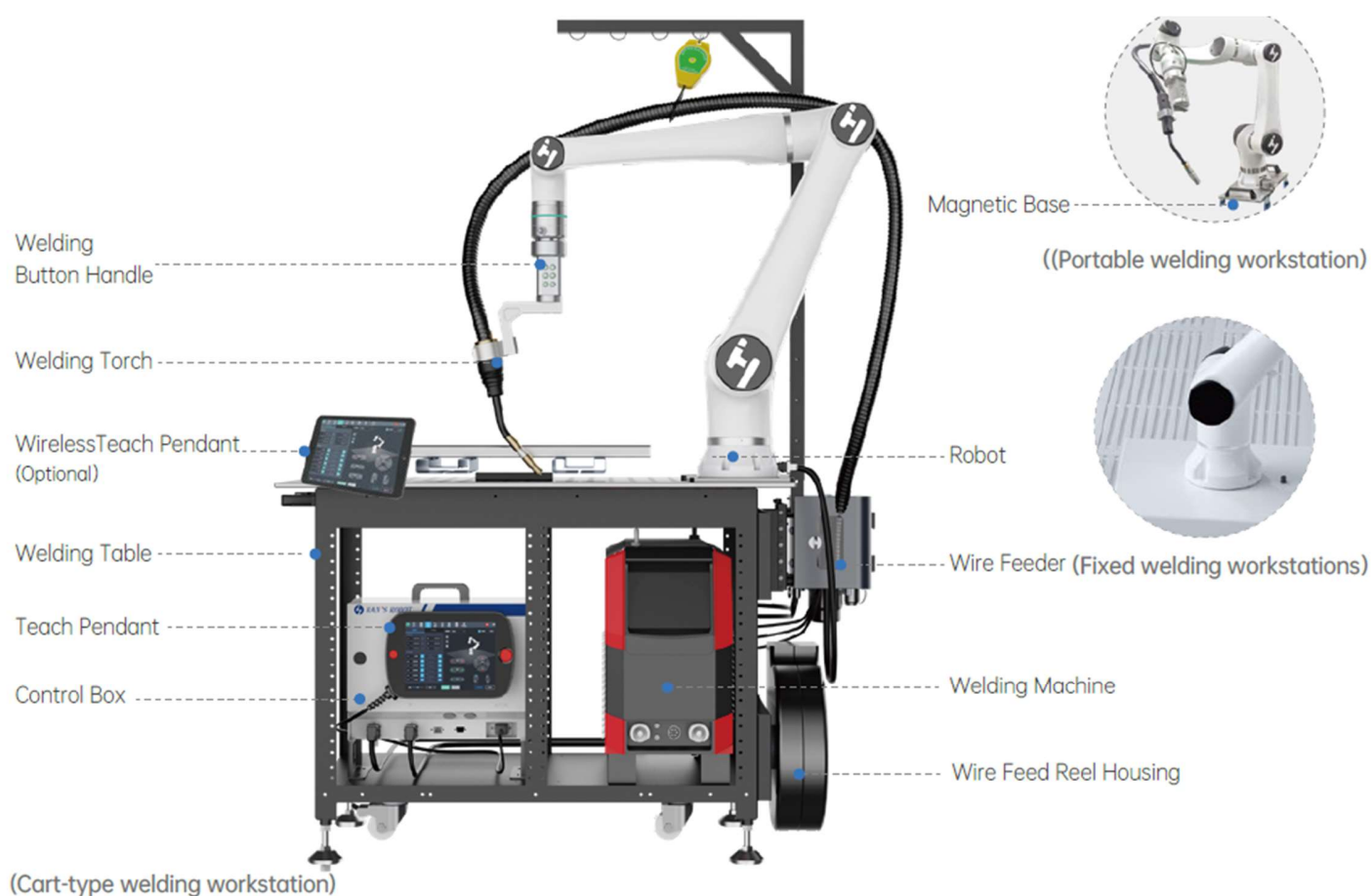


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ROBOT SOLDADURA COBOT 1800MM RADIO , BASE MAGNETICA

STERK SERIE EPRO12 12KG 1800MM RADIO



The above picture may not be an exact representation of the product

Especificaciones técnicas sujetas a alteraciones sin previo aviso.





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Traditional Welding Pain Point



Difficult Programming, High Requirements

Programming for traditional welding robots is difficult to get right in one step and requires continuous debugging and program modification, demanding high programming skills from operators.



Difficult to Hire, Low Efficiency

It is challenging to train and hire skilled welders. Coupled with the highly repetitive rhythm of operations, the efficiency of manual welding is not high.



Unstable Welding Quality

During manual welding, factors such as welding speed and wire feed length vary from person to person, making it difficult to guarantee product quality stability and consistency.



Heavy Workload and Poor Working, Conditions for Welders

The welding operation site has high temperatures, and manual welding has safety risks such as burns and arc burns, posing challenges to corporate safety production.





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Featured Applications

Drag-and-Drop Teaching,
Laser Vision Seam Tracking, Arc Tracking, Welding Plugin

① Drag-and-Drop Teaching:

Simple operations can achieve
linear or circular welding

Elfin-Pro supports integrated end force control, allowing users to drag the welding torch easily and quickly to the designated target welding point. With the end button, they can quickly establish a welding task, complete circular/linear path selection, and set up arc starting/stopping. One drag and drop can be reused.





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2 Laser Vision Seam Tracking:
Real-time correction of welding deviation to achieve automatic seam tracking
With the laser vision seam tracking system, welding deviations are corrected in real time, ensuring that the welding gun always stays at the center of the seam during movement. This allows for automatic seam tracking, thus improving welding quality.

3 Arc Tracking:
An arc tracker can collaborate with the robot to obtain the relative position of the welding gun and the groove by collecting and processing arc signals, correcting any deviations in the robot's planned path.

4 Easy-to-Use Welding Plugin:
Hans Robot provides an easy-to-install, easy-to-use welding plugin. The user-friendly interface meets visual and graphical operation needs, enables benign human-machine interaction, and improves production efficiency.

Advantages

Multiple control techniques for high-quality welding
Short-circuit transition control process with special energy control, "pulse energy regulation" of the melt-drop transition control process, and the synergistic process based on variable wire feed speed pulsed energy control process, which is extremely suitable for the consistent high quality welding of carbon steel, stainless steel, aluminum alloys, etc., uniformly high quality welding.

Graphical programming, quick mastery within 10 minutes
The welding process package integrates a wealth of parameters to meet the needs of the welding process. Straight or circular welding can be carried out with simple command select and define linear, circular, zigzag paths by moving the robot arm to the points of your choice and locking them with buttons on the flange to make welding as easy as using a mobile phone.

Flexible drag teaching, improved work efficiency
The Efin-Pro series collaborative robot integrates end force control, possesses excellent precision and accuracy, realizes smoother, more efficient drag teaching abilities. A one-time teaching for repeated use can automate and continually perform welding tasks, significantly improving work efficiency.

Multiple safety protections ensure safe production
Han's Robot uses an electromagnetic brake mode in the event of a sudden power failure or emergency stop during operation, it can be held directly without falling, which effectively increases operational safety.

User-friendly UI interface, for stress-free work
Han's Robot optimizes and upgrades the system UI interface based on actual user application scenarios, allowing the robot to serve users better.





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	Configuration 1: Integrated End Force Control Version	Configuration 2: External Force Control Version	Brand Offer/Support
Robotic System	① Robotic arm: E03-Pro, E05-Pro, E10-Pro, E10L-Pro, E15-Pro ② Controller and control cable ③ Teach pendent and flexible cables	① Robotic arm: E03, E05, E10, E10-L, E15 ② Controller and control cable ③ Teach pendent and flexible cables	Han's Robot
Force Control System	Elfin-Pro series enable integrated end force control	Robot force control + control handle	External power control version: blue dot touch, etc.
Welding Systems	① All-digital industrial welding power supply ② Welding cables, control cables and other accessories ③ Wire feeder ④ Protective gas related equipment (provided by the customer)	① All-digital industrial welding power supply ② Welding cables, control cables and other accessories ③ Wire feeders ④ Protective gas related equipment (provided by the customer)	MegMeet, Aotai, Miller, Lincoln, Binzel, Furnius, EWM, Lorch, Esab, Kemppi, Panasonic, OTC DAIHEN, etc.
Torch Systems	① Robot welding torch ② Welding torch holder	① Robot welding torch ② Torch holder	TRM, Kunshan Rihao, Binzel and other brands
System Software	Arc welding software package	Arc welding software package	Han's Robot
Workstation Form of composition	Fixed (fixed base) Cart type (mobile cart base) Portable (magnetic base for use with E03-Pro, E05-Pro)	Fixed (fixed base) Cart type (mobile cart base) Portable (magnetic base for use with E03, E05)	Han's Robot
Optional (Not standard, must be purchased separately)	① Wireless teach pendent	① Wireless teach pendent	Han's Robot

Performance Indicators	
Floor Space	2m×1.5m
Work Cycle	7×24h
Welding Power Supply	MegMeet, Binzel, Aotai
Operator Requirements	Ordinary Staff

Industry Applications

Metal Working

Metal forming is often associated with high levels of labor, noise pollution and metal dust. Sometimes in hot, humid and even polluted environments, the work is simple and boring, making it difficult for companies to recruit staff. The application of collaborative robots can not only solve the problem of employing people in enterprises, but also improve processing efficiency and safety in order to enhance processing accuracy. This solution has great scope for application.





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Partes del conjunto :



Han's Robot

Robot colaborativo

Brazo robótico serie E12-Pro de 12 kg (1 unidad)

Radio de trabajo: 1800 mm

Armario de control (1 unidad)

Panel de programación (1 unidad)

Cables de conexión (5 metros)

Software de soldadura

Manija para programa de soldadura

Cada E12-Pro necesita 4 soportes para la instalación de los cables.

Abrazadera : cada cobot 1 set

Torcha : Antorcha de soldadura TRM con cable de 3 m

Refrigeración por agua

Mesa de soldadura

Base magnetica para el E12-Pro : permite instalacion en la maestranza libremente

