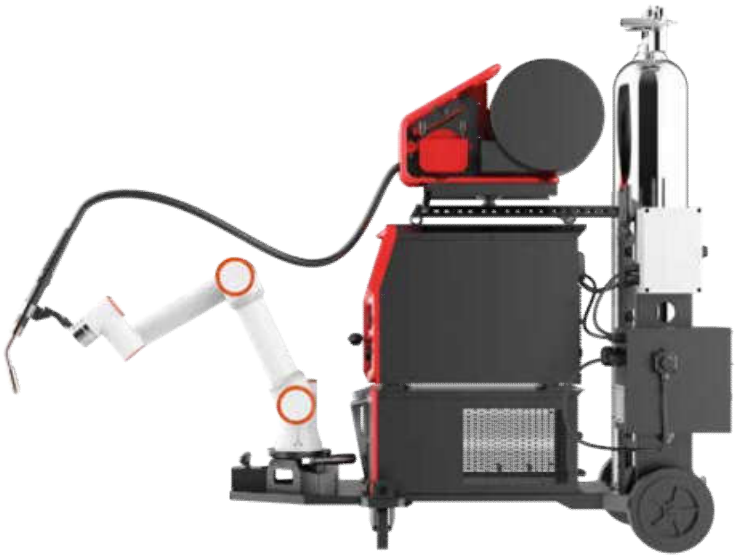
SmartKit Robot

Intelligent Welding Workstation

HEAVTH Robot Series



MIG, TIG, Laser welding
Multiple welding to choose
Drag and drop programming
Smart programming handle
Big brand components

16 YEARS

One click of convenient welding

HEAVTH digital welding process package supports multiple welding processes, fully meeting the welding needs of various scenarios. The programming free automatic welding platform developed by HEAVTH can automatically locate the weld seam position and conduct simulation rehearsals in advance to detect problems and avoid risks in a timely manner. During the welding process, real-time weld deviation compensation is performed to fully ensure the consistency and accuracy of the welding operation.

APPLICATIONS:

- Metal fabrication shops
- Auto body applications
- Maintenance and repair
- Construction and piping
- Farm, furniture & appliances
- Aerospace & transportation

Product Parts	
1	Collaborative robot arm
2	Welding Machine: MIG TIG or Laser
3	SmartTool Drag and drop programming handle
4	Magnetic base allows for free movement
5	Electronic control box
6	Welding torch with cable
7	Automatic wire feeder
8	AI vision camera kit

Optional AI vision camera kit



Technical Parameter

Model	Cobot 3	Cobot 5	Cobot 10	Cobot 16	Cobot 20
Load weight	3KGS	5KGS	10KGS	16KGS	20KGS
Arm range	622mm	922mm	1400mm	1076mm	1868mm
Repeat accuracy	±0.02mm	±0.02mm	±0.05mm	±0.03mm	±0.1mm
Weight	15Kgs	22Kgs	40Kgs	40Kgs	65Kgs
Axis	6 axis (Optional external rotation axis and expansion track)				
HMI	mobile terminal APP or 10.1 inch teach pendant (Optional)				
Communication	I/O、TCP/IP、Modbus_TCP/RTU、Profinet				
Development environment	C#/C++/Python/java/ROS				

SmartKit Robot Optional

1	Collaborative robot arm	☐Cobot 3 ☐Cobot 5 ☐Cobot 10 ☐Cobot 16 ☐Cobot 20
2	Welding Machine: MIG TIG or Laser	☐MIG350 ☐MIG500 ☐Laser1500 ☐Laser2000 ☐Laser3000
3	SmartTool handle	☐Drag and drop programming handle
4	HMI Programming	☐10.1 inch teach pendant (Def. configuration: Button box controlled by APP or webpage)
5	Magnetic base	☐Allows for free movement
6	Welding machine cart	☐Portable welding cart ☐Welding base table
7	Vision camera	☐AI vision camera kit

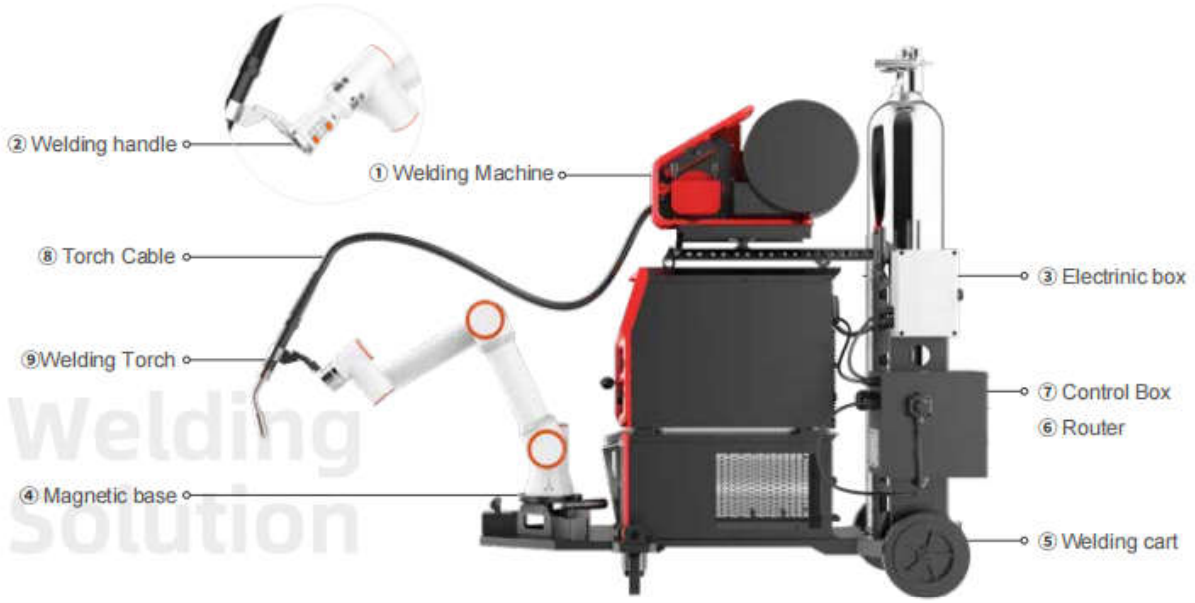
Visual Camera Parts

Products Name

Visual Camera
IPC Industrial Computer
IPC Graphic Card
Visual Software

Performance Parameters

Work Distance: 350-800mm Certification Mag
Near end field of view 270mm*200mm@ 350mm
Remote field of view 630mm*450mm@ 800mm
Resolving power 1440 * 1080
Z-axis repeatability accuracy 0.08mm@ 500mm
The fastest sampling time 0.8s



Related products
Handheld laser welding machine
Platform automatic laser welding
Robot laser welding machine
Automated laser welding assembly line

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