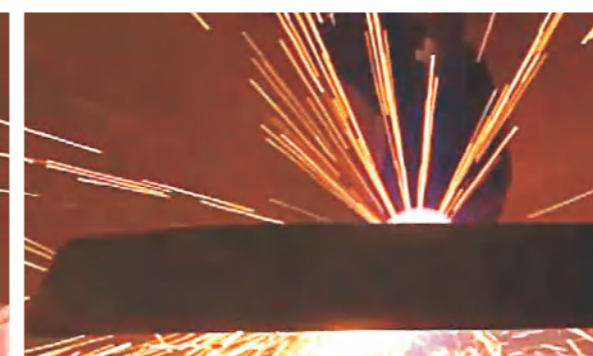
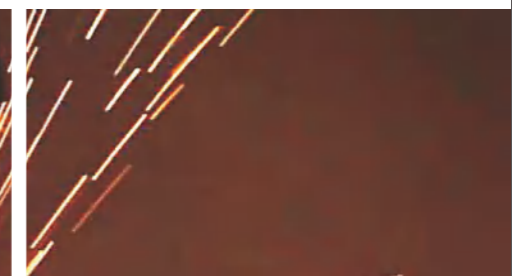
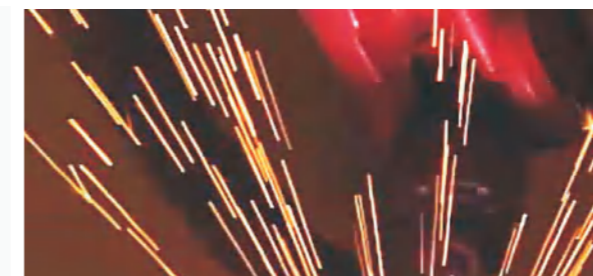




**WELDING & CUTTING  
SOLUTIONS**



**INTELLIGENT  
MANUFACTURING**

**Manufacturing Machine Masters  
Specializing in Welding and Cutting  
Automation Systems**



Add: 5 Fozuling First Road, East Lake New Technology  
Development Zone, Wuhan, Hubei Province, China  
Phone: +86-27-8199 4579 Fax: +86-27-8548 9173  
Email: sales@dig-auto.com  
Website: www.dig-auto.com/en



DIG specialize in welding and cutting automation solutions, our innovative automation systems provide clients in the shipbuilding, transportation, aerospace, energy and chemicals, and automotive industries with the necessary tools to improve efficiency of their production processes.

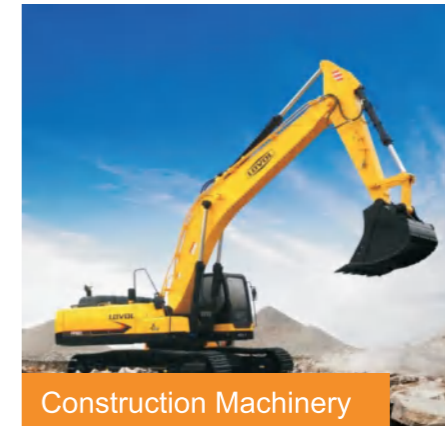
We provide users with professional intelligent welding and cutting systems including production lines integrating welding and cutting robots, large gantry welders, positioners, rollerbeds and other standard welding and cutting equipment. Processes include GMAW, GTAW, SAW, Laser Hybrid Welding, Plasma Welding, Friction Stir Welding, Plasma Cutting and Laser Cutting. We offer advanced manufacturing technologies such as machine vision, automatic programming, dynamic simulation systems and provide users with information software and hardware interface development services, allowing interconnection of MES, ERP and other factory management systems to create a digital and intelligent factory.



Shipbuilding and Offshore



Aerospace Aviation



Construction Machinery



Steel Structure



Energy and Chemicals



Transportation

**Integrity | Pragmatic | Cooperation | Tenacity | Dedicated | Thinking**

“

We stand on the technological forefront of welding and cutting automation solutions and provide our global partners with reliable production technology, equipment, and professional customization capabilities. Our products help partners continuously improve the working conditions of industrial plants by increasing product quality and production efficiency, while simultaneously decrease production costs. With passion and experience, DIG will make due contributions to set our customers free from heavy manual labor, reduce workload and lead more relaxing lives.

**Our Services**

- Introduce advanced production management concepts, mature technology, provide complete engineering design solutions;
- Provide advanced intelligent production equipment, production lines, corresponding control systems, customized software and information systems according to enduser's requirement;
- Provide professional training, equipment maintenance, repair services, spare parts support, production support and after-sales service.

**Company Profile**



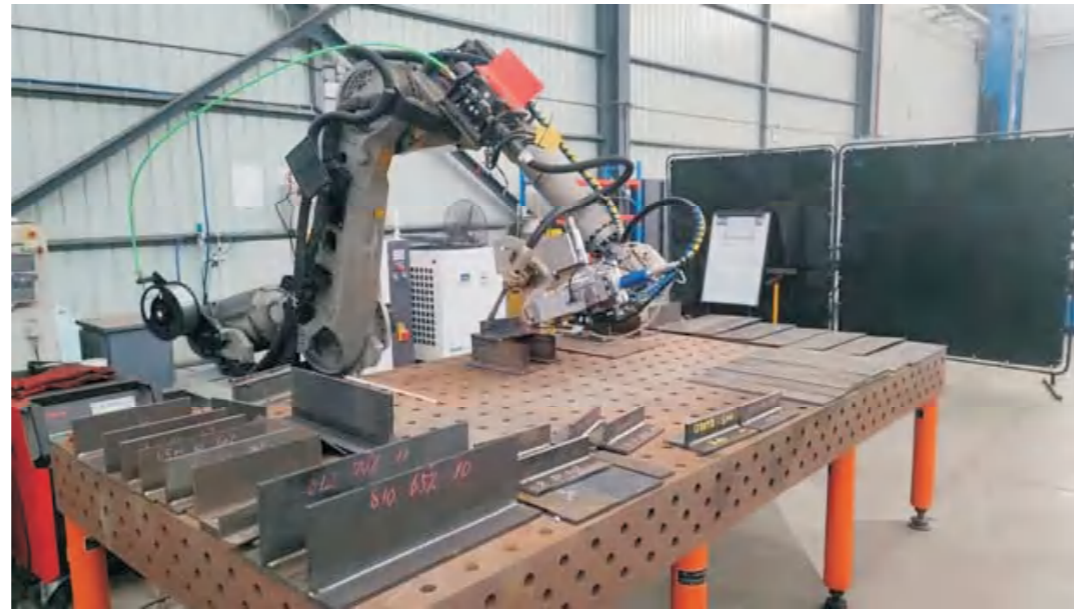
We are committed to promoting the industrial application of advanced welding and cutting processes. Our in-depth study of industry demands and analysis of industry needs drives us to provide quality customized solutions for our customers.



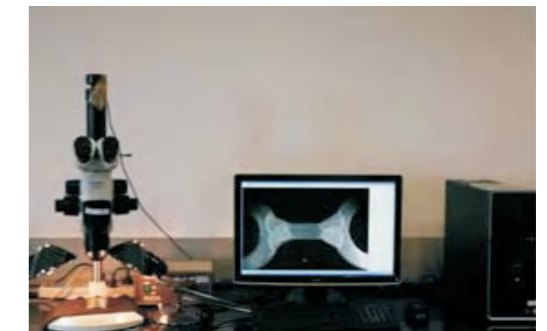
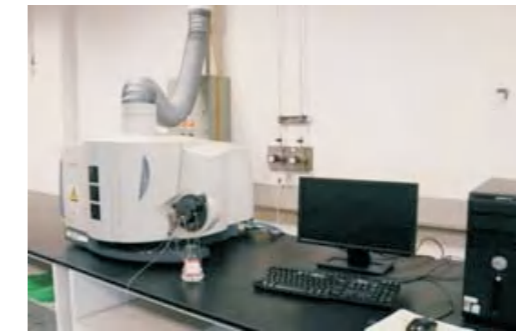
Process	FSW	SAW	NG SAW	Cladding Welding	GMAW	TANDEM GMAW	NG GMAW	GTAW	NG GTAW	Hot Wire GTAW	LBW	Laser Hybrid	FW	PAW	RSW	PAC	LBC
Applications																	
Shipbuilding	●	●	●		●	●	●	●		●		●	●	●		●	●
Offshore																	
Aerospace	●							●		●	●	●		●	●	●	●
Aviation																	
Construction		●			●	●	●				●	●			●	●	●
Machinery																	
Transportation	●				●	●		●		●	●	●	●	●	●	●	●
Energy and Chemicals		●	●	●	●		●	●	●	●		●				●	●
Steel Structure		●	●		●	●	●					●				●	●



R&D center focuses on the research and development of advanced welding and cutting processes, which ensures that our processes and equipment are a perfect combination, making it more convenient for customers.



The laboratory has comprehensive welding testing equipment, including mechanical testing equipment, microscopic metallographic testing equipment, chemical analysis equipment etc.



## R&D Center

We have experimental equipment for various welding processes such as Submerged Arc Welding, Friction Stir Welding, MIG/MAG, TIG, Laser Welding, Laser-Hybrid Welding, Narrow Gap Welding, Friction Stir Welding additive etc. We can provide welding process parameters for customers, and we have accumulated a strong knowledge base through a large number of experiments, which are our core advantages.



Profile Cutting

Pipe Production

Micropanel Welding

Flat Panel Production Line

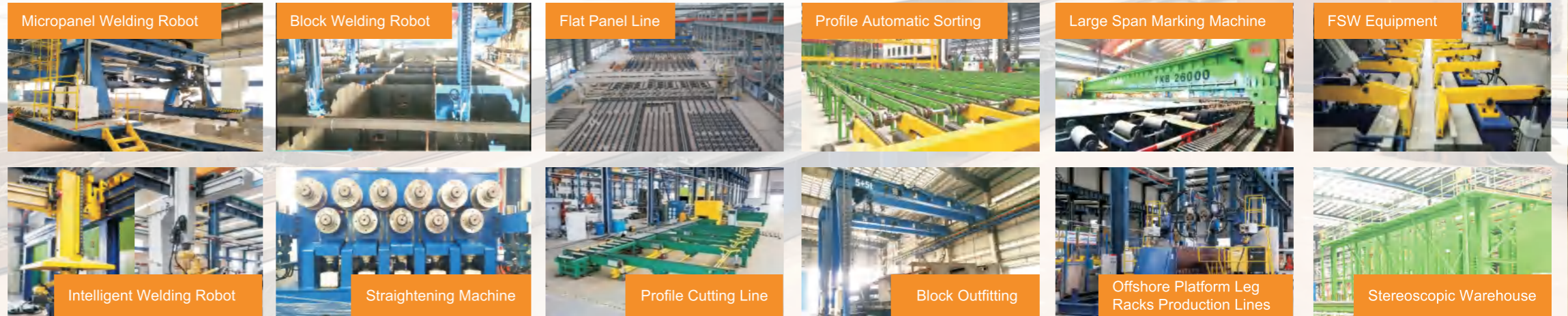
Block Welding

Sectional Closing Welding

Dock Assembling



- Flat panel production line and related production equipment;
- Hull parts production line and related equipment;
- T-row production line and related equipment;
- Robot-profile cutting production line;
- Pipe production line and related equipment.

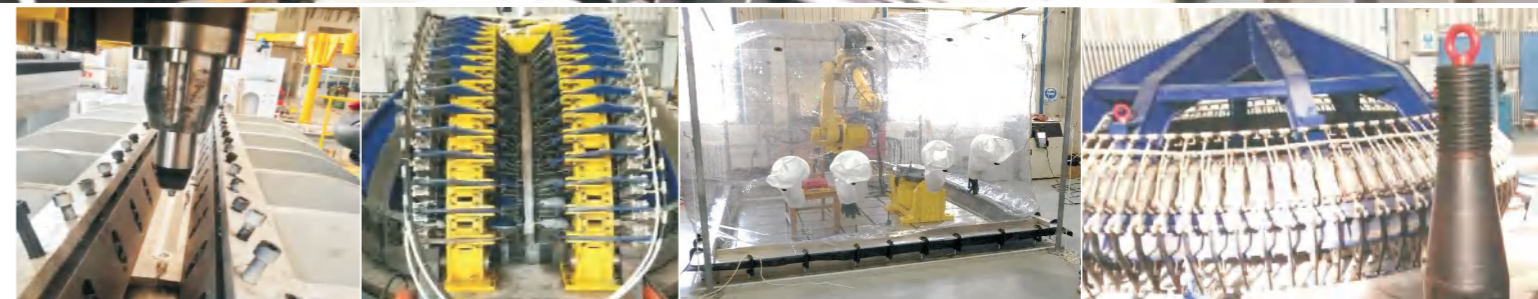


“ Through our extensive involvement in the shipbuilding industry, we are familiar with every link of hull construction, from the prefabrication of raw materials to the closure of the hull, we tailor automated production solutions for each process, utilizing our information technology and experience to build intelligent, digital workshops for the shipbuilding industry.



- Friction-stir welding systems and equipment for rocket fuel storage tank;
- TIG welding, variable polarity TIG, hot wire TIG welding system and equipment for rocket fuel storage tank;
- Rocket pipe system welding equipment;
- Welding equipment of metal structural parts such as aero-engines and space launchers;
- Laser welding equipment for aircraft rudder wing structure parts;
- Additive manufacturing system and equipment.

“ In the high-end aerospace manufacturing field where the most stringent welding and cutting processes are required, we continuously embrace market challenges. We have independent research and development capabilities and property rights in various advanced processes such as five axis friction stir welding, laser welding, laser arc hybrid welding, variable polarity TIG, variable polarity plasma welding, additive manufacturing etc. Revolving around products, we continuously export advanced manufacturing concepts to the aerospace industry.



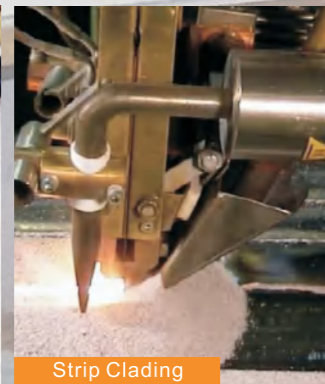
- Welding and cutting equipment and production lines for large components such as nuclear power rotors, hydrogenation reactors, and condensers;
- Welding and cutting equipment and production line for the main pressure capacity components such as boiler gas packages and pipe screens;
- Wind power tower cylinder production lines and related equipment;
- Oil and gas transmission pipeline welding and cutting production lines and equipment;
- Column and Booms, Rollerbeds, Welding Positioners and other standard products;
- Narrow gap MIG welding, narrow gap TIG welding, narrow gap SAW, strip cladding system.

Nuclear Power Rotor Automatic Welding



Heavy Duty Welding Column and Booms

Narrow Gap TIG Welding



Strip Cladding

Narrow Gap SAW



Narrow Gap MIG Welding

“ In the field of energy engineering, we provide efficient, high quality welding methods and equipment, including loading, rotating and positioning of workpieces, we are constantly innovating welding and cutting solutions for nuclear power, wind power, thermal power, hydropower, boiler, petrochemical and other energy related products .

