

Longxin Laser Deeply Cultivates the Laser Tube Cutting Machine Industry to Help "Intelligent Manufacturing in China"

Foshan, Guangdong May 29, 2023 ([Issuewire.com](https://www.issuewire.com)) - As the application of laser technology has become a key factor for domestic manufacturing companies to improve product quality and enhance core competitiveness, China's laser industry has achieved rapid development in the past two years and has become the world's largest industrial laser market in one fell swoop. Among many domestic industrial laser companies, Foshan Longxin Laser Technology Co., Ltd. is famous for its deep cultivation of the industry and its special research technology, and has gradually become the leading provider of laser tube cutting equipment in China.

Deeply plowing the industry, committed to building a leading domestic brand

Founded in 2008, [Longxin Laser](https://www.longxinlaser.com) has been deeply involved in the field of intelligent pipe cutting equipment for 14 years. The company's products are widely used in construction machinery, auto parts, decoration engineering, kitchen and bathroom hardware, smart home, medical equipment and many other industries. After years of development, brand products are sold well in more than 50 countries and regions around the world, providing professional services to more than 3,000 well-known and large domestic and foreign enterprises.

As a well-known provider of laser automation solutions in China, Longxin Laser has realized flexible manufacturing in the fields of 3D professional pipe cutting, ultra-heavy 3D pipe cutting, three-chuck 0-tail laser pipe cutting, and non-standard customized laser pipe cutting. The multi-effect synthesis, one-machine laser welding and cutting flexible production line is the latest brand first product launched by Longxin Laser in 2022, which is known as the innovation and transformation of the traditional tube forming process.

The pipe making + welded pipe online cutting production line uses the motion controller as the core control, which has extremely high control precision and excellent stability. It is the first in the industry and fills the technical gap in the industry. In addition, the production line has high efficiency and is easy to operate. It can be used for round tubes, square tubes, rectangular tubes and some special-shaped tubes. Cutting, opening, beveling and other multi-process processing, the structure is stable, the nozzle has no deformation, no burrs; The original control adopts imported accessories, which supports 24-hour operation.

Intimate setting of the slag removal function in the pipe. The machine has a slag removal device for the inner wall of the pipe. During the cutting process, the inner wall of the pipe fitting does not have the residue generated during cutting, and can be directly loaded on the pipe fitting forming machine, which solves the worries for customers.

(Foreign processing industry)

Empowerment of science and technology, helping to realize "Smart Manufacturing in China"

Longxin Laser has been focusing on pipe processing equipment for many years. The research and production of chuck side-mounted ultra-short tail 3D laser pipe cutting machine LX-K16S, precision small pipe laser pipe cutting machine LXLASER-K3X, small and medium pipe 3D laser pipe cutting machine LX- K6 series, door and window laser composite processing center LXLASER-F15 and many

other products help customers create an overall laser tube cutting automation solution.

(auto parts industry)

Chuck side-mounted ultra-short tail 3D laser pipe cutting machine LX-K16S comes with a feeding system, with a compact structure and a small footprint. The front chuck adopts a movable chuck instead of three chucks to achieve ultra-short tail. It is easy to operate and maintain, and can meet the needs of industrial 24-hour production. It can cut centrally symmetrical pipes including round pipes, square pipes, flat pipes, diamond-shaped pipes, oval pipes, etc. (The size range of the round tube is $\varnothing$ 15-160 mm, and the diameter of the circumscribed circle of the special-shaped tube is <160mm.)

(Precision electronics industry application)

The precision small tube laser tube cutting machine LXLASER-K3X uses the company's self-developed control system, and its biggest feature is fast! Large batches of high-speed cutting, the acceleration can reach up to 1.5G. High precision can be effectively controlled at ± 0.03 mm, and it also supports cutting of small tubes and some special non-standard special-shaped tubes (round tube $\varnothing$ 2~ $\varnothing$ 24, square tube 1.5*1.5-17*17 and some oval tubes and other special-shaped tubes)

(Electric frame industry)

The LX-K6 series of 3D laser pipe cutting machine for small and medium-sized pipes is suitable for cutting small and medium-sized pipes. It is not only equipped with professional graphics nesting software, but also has excellent acceleration to achieve high-speed cutting. It also has automatic loading, saving labor and extremely short tailings. Can be controlled between 40-60MM. Longxin Laser K6 series is widely used in the electric vehicle frame industry due to its strong practicability, fast cutting speed, flexible cutting method, and ultra-short tail. An electric vehicle enterprise of a group in Tianjin used Longxin K6 laser pipe cutting machine to replace the original two four-axis laser pipe cutting machines, and the cutting efficiency was greatly improved by 25%-30%.

The door and window laser composite machining center LXLASER-F15 is mainly used for precise drilling and tapping of profiles in the door and window industry. The equipment adopts F-15 Longxin self-developed laser cutting head, which can complete the profile processing with only one single feeding and one-time processing of specific multiple shapes. Equipped with a compound processing module, which effectively combines the advantages of laser processing, drilling and milling processing, maximizes the processing efficiency and maximizes the processing efficiency.

In 2021, Longxin Laser will continue to expand its business in the field of pipe welding, and establish a sub-brand Foshan Tianquan Laser Technology Co., Ltd., specializing in automatic production lines for pipe laser welding. Relying on its strong experience in the industry, it has reached a strategic cooperation agreement with the world's top 500 home appliance brands to build an automated welding production line for them.

(The world's top 500 electrical appliances companies choose Longxin laser production line)

Over the years, relying on a comprehensive product system, excellent product quality, and industry-leading core technology, Longxin Laser has launched a series of products that have not only been highly affirmed by industry insiders, but also widely praised by customers around the world. outstanding contribution to development.

Devote yourself to China's intelligent manufacturing and pursue the light of science and technology. For the future development of the enterprise, Xia Guozhang, chairman of Foshan Longxin Laser Technology Co., Ltd., said: "In the future, Longxin Laser will continue to practice the dedicated, professional and customized development strategy led by laser pipe cutting machines, and focus on customers. As the center, continue to increase product investment, empower with technology, further enhance the core competitiveness of products, and create a more brilliant tomorrow for Longxin Laser!"

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