Barnshaws maximises laser cutting capacity with new Bystronic BySprint Fiber machine

Barnshaws Plate Bending has expanded its laser cutting capacity with the installation of a new Bystronic BySprint Fiber machine. This addition means Barnshaws offers one of the largest laser cutting capacities in the UK, with the ability to process ferrous and non-ferrous metals in sheets of up to 12 x 2 m.

The BySprint Fiber laser cutting unit specified by Barnshaws operates at up to 6 kW of laser power, which enables the machine to cut stainless steel up to 30 mm thick, mild steel up to 25mm and aluminium up to 25mm. Operated via touchscreen, the fiber laser can produce twice as much power from the same amount of current compared to a CO_2 laser, making it highly efficient.

Ian Clark, Commercial Director at Barnshaws, was keen to discuss the new machine: "At Barnshaws, our machine capacity is what sets us apart from the competition. The new BySprint Fiber provides us with a winning combination of high precision and large capacity. Our press braking capacity is one of the largest in the world - so adding a flexible, high-speed laser cutting machine to our shop floor greatly enhances our services. We're a leading provider to the construction, marine, architectural and transport sectors – so our processing speed and product quality is very important."

Fiber laser cutting is inherently efficient, ensuring that our manufactured products can now be delivered on reduced lead times. The increased laser cutting capacity and reduced power usage also translates to increased cost-effectiveness, the benefits of which can be passed on as increased value to customers, especially on larger orders.

Photo Captions:

Photo 1: "Our press braking capacity is one of the largest in the world - so adding a flexible, high-speed laser cutting machine to our shop floor greatly enhances our services."

Photo 2: The BySprint Fiber laser cutting unit specified by Barnshaws operates at up to 6 kW of laser power, which enables the machine to cut stainless steel up to 30 mm thick, mild steel up to 25mm and aluminium up to 30mm.

About Barnshaws

Established in 1969, Barnshaws has grown to become the world's premier specialist profile bending company; supplying market sectors such as construction, power generation, mining, transport and general manufacturing with shaped beams, tubes, plate and other profile section materials. More recent developments have seen the company's engineering expertise expand from mostly steel to non-ferrous materials including copper and aluminium as well as specialist materials such as Hardox.

Barnshaws has ISO 9001:2015 approval and was Europe's first bending company to achieve CE Marking of curved sections to Execution class 4, the highest standard available.

With facilities in the West Midlands, Manchester, Hamilton and Poland, Barnshaws can provide precision metal bending and profile cutting services, locally, nationally and internationally.

Equipped with the largest capacity bending machines in the world, Barnshaws can deliver curved sections up to 35 meters in length with the capacity to bend tubes and pipes up to 1,524mm outside diameter. In addition, the largest range of press brakes in the UK can accommodate materials up to 12 metres in length and form sections from materials up to 80mm in thickness, this together with a vast range of rolling machines enables Barnshaws to offer rolled cylinders from 350 to 4200mm diameter with wall thicknesses upto 100 mm, all of which can be supplied in the welded condition singly or in multiple belt lengths.

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