

## **Introduction to CFOE Mill**

Φ219~Φ711 CFOE mill is the newest product in our company, which adopts CFOE patent technology from our company. CFOE means continuous flexible forming and straight seam submerged-arc welded pipe. There are special advantages in the mill. The mill is continuous production, which is no need to change the rollers in rough-forming section when the specification needs to be changed. Compared with ERW, the quality and energy consumption of CFOE is easier to be controlled, and is welded better and low consumption. The welding seam of CFOE overcomes the shortages of long welding seam and difficult inspection on spiral welding seam after inbuilt. Compared with UOE and JCOE, the investment cost and production cost are low. The quality of CFOE welding seam is the best in all welding seam technology. CFOE is the most reliable, and there is no circular interface welding seam on the pipe, which is easy to weld, inspect, maintain and repair. The pipe produced by the mill just covers most pipes which are currently used by oil, gas casing. The mill also has a good market prospect. Annual production capacity is 50,000-100,000 tons.

If there are small differences between CFOE cost and spiral welded pipe cost, nobody will buy spiral welded pipe on high grade pipeline. CFOE welded pipe will replace fully spiral welded pipe in high grade pipeline, and have a good market prospect.

CFOE can be the complement mill for the JCOE mill. Because it is hard and uneconomical for UOE and JCOE to produce the pipes within the diameter range of Φ219~Φ711. There are outstanding advantages such as less production cost and high production capacity. Due to low production capacity and over high price of JCOE mill, which create the serious competition problem, it can make up middle and large diameter in JCOE.