



DS series

Plate processing line for structural steel applications



The automated **plate processing line DS** was designed for high-efficiency drilling and cutting with the possibilities of automatic plate feeding and automatic part sorting on output. The machine is dedicated to heavy-duty structural steel applications such as production of high-precision **fittings, gussets and end plates.**

The **DS series** was designed for a high level of **automation** within the factory workflow as a time- and cost-effective production solution for certain types of flanged parts.

A special version of the machine – **DS-B** – is dedicated to **automatic dual drilling, tapping and marking of hollow profiles** with square or rectangular cross-sections. The work area of the machine consists of a rotary drilling support with two turret drilling heads, each having 6 tool positions. The DS-B machine can process hollow sections up to 300 x 300 mm with a length of up to 12 m.

Automated processing of flat materials for steel structures



The DS series offers a variety of automated processing options for flat materials. Besides drilling, straight cutting and bevel cutting for weld edge preparation up to 50°, oxyfuel cutting, tapping, countersinking as well as scanning and marking are possible. The standard work area size is up to 6,000 x 2,000 mm.

DS-B: Automated drilling and marking of hollow profiles



The DS-B series, a special version of the DS machine, was designed for automatic dual drilling, tapping and micro-percussion marking of hollow profiles with square or rectangular cross-sections. The work area of the machine consists of a rotary drilling support with two turret heads for drilling up to Ø 24 mm and tapping up to M12, each having 6 tool positions. The machine can process hollow sections up to 300 x 300 mm with a length of up to 12 m. Material loading, feeding and unloading are fully automated.

High degree of automation



As a time- and cost-efficient production solution, the DS series has a high degree of automation. Loading of plates into the cutting zone, unloading of processed parts as well as separation of residual material are fully automated. The modular design of the machine allows to customize the unloading process incl. sorting by robots. Moreover, the machine is operated by MicroStep's production management software CyberFab® Manager that can be interconnected with local ERP system.