

V600 Drilling system

The V600 drilling system is suitable for structural steel fabricators with a limited floor space. This machine is fitted with one horizontal drilling unit, where the drilling cabinet is moved along the drilling table. Due to this, the system uses very little floor surface and which is a big advantage because of the fixed drilling table, the necessary floor surface, in comparison with a 3-spindle drilling system with infeed and outfeed conveyers, is reduced by approximately 60%.

The operator loads the drilling table with several profiles behind each other, after which the horizontal drilling unit provides one or more profiles with the programmed hole pattern. By drilling holes through both flanges/sides or by rotating a profile it is possible to drill the material on all sides. The V600 drilling machine can also carry out thread tapping.

A vertical hydraulic clamp, which clamps the product to the table during drilling, is fixed at the front of the drilling cabin. For tool changing, the drilling unit is provided with a manual quick-change adapter. After replacing a drill the length of the new tool is automatically measured and before starting the drilling process the web and flange height will be measured automatically. The holes in the flanges can be positioned with regard to the centre of the measured flange height or the actual web height. For an accurate drilling process the DSTV-data from the 3D drawing program is read into the machine using a CD or Wireless network link, after that the production can start.

Operating range

Min./max. height	50 – 1.000 mm
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VDH 100 Drilling unit

Drill diameter	8 - 40 mm
Thread tapping	M8 - M24
Quick change adapter	yes
Lubricant	internal cooling air/oil
Centring possibility	yes
Min./max. spindle rpm	200 rpm/ 1.200 rpm

