



DPMflex

The latest generation of the DREISTERN double roll forming machine

The specialist for your roll forming technologies

Ever since it was founded in 1949, DREISTERN GmbH & Co. KG has always set exceptional standards in the field of roll forming. We have established ourselves as one of the market leaders worldwide through the application of the very latest technologies in roll forming machines, our comprehensive know-how concerning roll forming units, and our ability to provide complete process integration. More than 2,000 units from DREISTERN are in use, producing more than 8,000 different profiles, more than 40 patents have already been applied for.

We work for companies from these sectors, among others

- Automotive & transport
- Electrical industry
- Construction industry
- Storage & logistics
- Furniture industry
- Roll forming plants

DPMflex

ONE UNIT FOR MANY PROFILES

DREISTERN double roll forming machines are characterized by the fact that a large number of different profile variants with edge rolling can be produced on one unit. Motor driven adjusting axes allow continuously variable setting of the desired profile geometry with respect to width, height and the material thickness of the profile in the shortest possible time.

In addition, the *DPMflex* offers a great many innovative new features.

HORIZONTAL AXIS SETTING

Vertical adjustment is not enough to set up different sheet and plate thicknesses in an uncomplicated way. Instead of changing the rolls with much effort or needing to insert spacers, the upper roll axis can be adjusted manually in the horizontal plane with the *DPMflex*. Adjustment of the side rolls is not needed. Both the horizontal and vertical roll gap can now be set optimally.



DPMflex

Convincing features

- Horizontal axis adjustment for the upper roll axis
- One substructure on which various stands can be used
- Greater vertical adjustment range for duplex stands
- Use of frame stands
- Higher speed

VARIABLE SUBSTRUCTURE

Depending on the thickness required for the sheet, up to 3 mm, two different designs of roll stands can be used. The substructure has been standardized so that it can be used with both variants. In addition, the forces that occur during the roll forming process can be taken up better through optimization of the design, which thus guarantees a precise profile shape at all times.

GREATER VERTICAL ADJUSTMENT RANGE

The shaping of, for example, U-profiles with a high shoulder requires a correspondingly large adjustment range. The *DPMflex* can process a maximum profile height of 210 mm with an adjustment range for the axis centre distance of up to 350 mm. If required, classical stands of frame construction can be used on it. Conversion to a standard roll forming machine can be done in the shortest possible time by installing all the stands that can be used onto quick-change plates. The stands can be prepared externally and installed in conjunction to save time.

Z-ROLL FORMING IS POSSIBLE

The use of three axes per stand, each of which has one roll, means that various forms of Z-profiles can be rolled. These 3-axis stands can be installed as a time-optimized additional shaping stage through the use of quick-change plates.

EFFICIENT USE OF LUBRICANTS

The substructure of the *DPMflex* is waterproof. The lubricating emulsion to be used is collected in a tub, treated, and fed back via a pump into the roll forming process for permanent lubrication. The roll forming speed of up to 80 m/min ensures maximum output, while the improved ergonomics guarantee optimized work flows.

PROFILE SUPPORT THAT CAN BE LOWERED

A profile support is unavoidable, the wider a profile becomes in its dimensions, so as to prevent the profile from being caught up and damaged. When setting up the machine or when producing narrow profiles it is not necessary to use the profile support and it can simply be lowered out of the way.

Make use of our roll forming expertise

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