



TZ SINGLE FOLDER

The TZ single folder is best suited for basic folding processes and flexible applications.

Different equipment packages allow customers to optimally adapt their machines to individual needs.

The TZ is based on Thalmann's unique kinetic control shaft technology, which ensures unrestricted work performance and synchronous force distribution over the entire length of the machine. The exclusive vertical force drive (VFD) provides high clamping forces directly at the clamping point.

- » **TZ SINGLE FOLDER** models:
125 | 150 | 200 | 300
- » Maximum **FOLDING CAPACITY**:
1.25 mm | 1.50 mm | 2.00 mm | 3.00 mm (at 400 N/mm²)
- » Standard **WORKING LENGTHS**:
3.20 m | 4.20 m | 5.10 m | 6.40 m | 8.20 m | 10.00 m | 12.00 m
- » Maximum **INSERTION DEPTH**:
1250 mm



MODULAR TOOL GEOMETRY

Optimized folding clearance and greater flexibility are offered by the three available tool shapes. 1. a straight upper beam tool with a flat tilt angle of only 35°. This tool shape enables profile production with an aspect ratio of 3:4 (height to depth) – e.g. 40 mm height and 60 mm depth (Fig. 1). 2. a curved upper beam tool, the shape of which resembles a goat's foot. This allows profiles with an aspect ratio of 1:2 (height to depth) to be produced – e.g. 40 mm high and 80 mm depth (Fig. 2). 3. an upper beam tool with nose. With this tool typical roofer flashings can be produced more easily – e.g. 50 mm inwards and 25 mm upwards (Fig. 3). The tooling can be completed by a specially designed folding beam. This is cranked and set back to the folding line by 15 mm, this significantly increases the free space directly on the bent part.



DYNAMIC CROWNING

Possible angular deviations in the middle of the sheet metal (banana effect) are compensated for by dynamic crowning. With dynamic crowning uniform angles are achieved over the entire profile length.



TAPERED BACKGAUGE FUNCTION

Tapered parts with a dimensional offset up to 600 mm and profiles that sleeve the one into the other can easily be produced with the tapered backgauge function.



ELECTRIC LONGITUDINAL SLITTER

The device allows to combine the process of slitting and bending sheet metal in one machine. Extra flexibility to add a roll-forming tool is provided by the decoupling of the device from the folding beam.

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BACKGAUGE

Precise sheet metal profile production is guaranteed by the fully automatic backgauge (operational range is 5-1250 mm).