

Guiding System High Quality Twin (HQT)

Application:

The HQT system is used where high-precision guiding of the strip is required, e. g. upstream of side trimmers or slitters. It is composed of two independent strip guiding systems, i. e. either guiding on the uncoiler together with the next steering unit or two strip guiding systems in a processing line.

Functional principle:

The first strip guiding system (rough guiding) corrects the incoming strip as far as possible. The second strip guiding system (fine guiding), which corrects subsequent slight deviations, is installed immediately upstream of the critical area.

Any strip deviation causes the fine steering unit to counteract and correct the strip. This movement is continuously monitored.

By taking into account the strip speed and distance between the two guiding systems a variable offset is generated and automatically fed back to the rough steering unit to offset the strip guiding position. This ensures a strip entering the fine steering unit very close to centre and nearly under 90° at the trimmer knives.

The fact that the second guiding system carries out only slight corrections makes the system suitable for use on installations where the strip entry distances are relatively short.

