

INMARA- Stabilizer (4th Axis)

The INMARA stabilizer mechanism provides a means to stabilise articles which are difficult to transfer from the cross conveyor to the lehr belt with a standard push bar. This may be the case if unstable ware is to be transferred at relatively high speed.

Based on the comprehensive possibilities to programme the complete motion profile combined with the automated calculation of the optimum acceleration and deceleration of each movement, the INMARA stacker achieves astonishing results without a stabilizer bar and critical bottle shapes at high speeds.

In certain circumstances however it might be useful to use the INMARA stabilizer mechanism for articles such as:

- Special articles in the pharmaceutical, cosmetic or perfumery production
- Slender olive oil bottles, spirit bottles etc.
- Bottles with rectangular bottom shapes or bottles with a greatly reduced bottom area compared to the overall body size.

The INMARA stabilizer mechanism (4th axis) provides the following advantages:

- The stabilizer bar opens and closes in a fully programmable horizontal movement which allows guidance to the bottles during the whole transfer movement until the bottles are stable on the lehr belt.
- The stabilizer bar is programmed fully independently of the other three axis. This provides the advantage that the bottles are also guided during the pull back movement of the push bar prior to the lifting movement of the push bar.
- In cases of irregular spacing between bottles on the cross conveyor the closing movement of the stabilizer bar pulls the out of position bottles back into the pocket of the push bar.
- The horizontal movement of the stabilizer bar prevents any damage to the neck of the bottles.
- The possibility to fine tune every single position of each axis provides an important advantage for the performances of the 4th axis.
- The height of the stabilizer bar is fully adjustable by means of one adjusting screw.