

Application Specific Variants

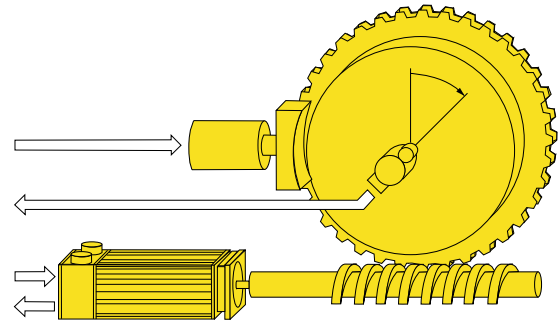
COMPAX XX30M: Indexing table control

High precision control and positioning of indexing tables and endless assembly chains

Special features:

- External position sensing possible with E2 encoder option

- Indexing calculator up to 1000 increments per revolution
- Control of mechanical clamping
- Manual fine adjustment of table position
- No cumulative error



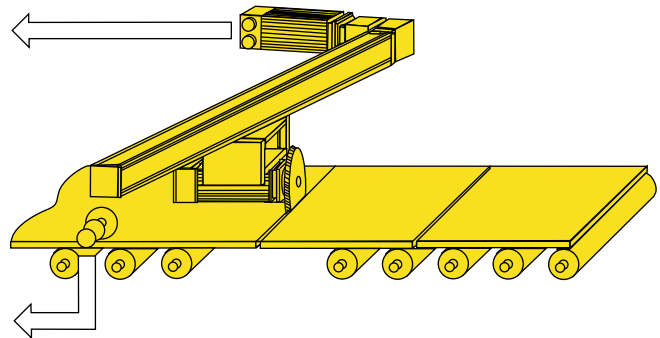
COMPAX XX50M: Cutting on the fly

Processing of material or work-piece in motion - a well-known example is cutting on the fly. Requires E2 or E4 encoder option. Further examples of in-motion processing operations:

- Die cutting
- Filling
- Tapping/screwing
- Sawing
- Casting
- Drilling

Special Features

- Encoder input for predefining speed
- Registration-based positioning
- Compensation for fluctuations in material feed
- Pilot frequency simulator as a start-up aid
- Diagonal-beam version for wide media



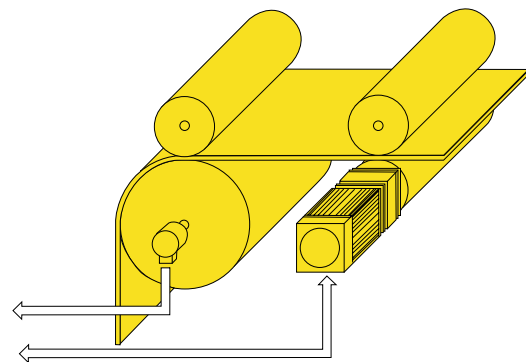
COMPAX XX60M: Electronic gearing

Synchronous control of angle, synchronous control of speed, processing in motion. Requires E2 or E4 encoder option.

- Electronic gearing
- Processing of moving parts

Special Features

- Any desired gear ratio, including negative values
- Synchronous control of angle or rotational speed
- Enable/disable external master reference value
- Internal motion program superimposed on master motion



COMPAX XX70M: Cam control

Replacement of mechanical elements of machines, for example cam plates and discontinuous shaft, camshaft or gear elements. Requires E2 or E4 encoder option

Special Features

- Several curves storable
- 8 digital outputs as a function of cam position
- Up to 2500 base points per curve
- Powerful software tool for design and implementation of curves
- Flying synchronization into predefined positions

