AUTONOMOUS FOLDING PRODUCTION SYSTEM

MBO provides a new folding solution for the print industry's tight labor challenges. The new Autonomous Folding Production System from MBO takes automated folding to an un-matched level. Prior to the introduction of this revolutionary system in 2021, even when running folders with automated set up, operators still had to intervene to perform quality checks and manually process ends of jobs; processes that reduced the overall productivity of the system and required one operator or more per machine in manning. The key to the productivity increase is not just a discussion of automated features for set up, but rather a discussion of how the control system, including autopilot and camera inspection, takes over quality monitoring and job progress for the operator. The folding system truly runs itself, removing touch points, lowering the manning requirement to less than one per folder and ultimately allowing multiple folding systems to be run by a single operator. The human touch points required to monitor job breaks, measure signature quality, reject mis-folded or out of tolerance product, remove doubles, stack signatures into manageable piles and palletize the stacks, have been removed, primarily through the use of a press printed data code and properly placed fold register targets. To close the loop, MBO's Datamanager 4.0 has connected the folding system to the workflow allowing automated job loading and set up for a truly connected device.

MBO's K8RS, K8, K80 and T800.1 folders can all be base folding platforms in the autonomous environment, allowing application to a wider range of markets. In most configurations and applications, labor is reduced to the point where a single operator can run 2 machines placed side-by-side, and still take advantage of the highest machine speeds possible. Most unique of all is that the system was developed modularly so it can be applied as needed to MBO's newer M1 controls platform.

See Video Here Including Technical Overview: **https://youtu.be/wI4ExCjb9F4**