HIGH SECURITY NUMBERING
Complete security with electronic surveillance

Mechanical classics meet electronic monitoring systems
The perfect symbiosis for 100% security

The LEIBINGER Full Monitoring Numbering System combines the advantages of a purely mechanically operated numbering machine and a 100% electronic control of each individual number or letter wheel. This way, you receive absolute certainty about the current numbers/letters printed and your numbering process will become even more reliable.

Convenient two-part design

A two-unit construction forms the basis for a completely monitored numbering system. The upper part is a mechanical numbering machine, while the monitoring modules are built into the bottom part. Both parts can be separated easily from each other by loosening only two screws. This concept has many advantages in terms of handling and maintenance:

» The mechanical unit with the moving parts can be handled, cleaned and maintained in the same way as conventional mechanical numbering machines.

» The second unit, containing the sensor electronics, stays on the press due to the fact that no cleaning and regular maintenance is required.

» After re-connecting the upper mechanical unit, no new positioning is required, all machines are in the proper location (lower adapter unit does not move).

Sensors guarantee full electronic control

The LEIBINGER Full Monitoring Numbering System is based on a "four-sensor-system" design. Each automatic number wheel is monitored using a board with 4 sensors in conjunction with the magnets on the number wheels. This system can be used to completely control the position of each wheel, knowing exactly which figure is adjusted.

» The press will only start if every figure is adjusted correctly; differences will be shown exactly with the detailed position on the system monitor.

» Corrections can be made immediately, resulting in no delays in the press process.

» The four-sensor-system features a "built-in redundancy," which provides the user with a very high level of security.

FIELDS OF APPLICATION

» Banknotes
» Bills of lading
» Insurance papers
» Share certificates
» Visa
» Lottery tickets
» Other security documents
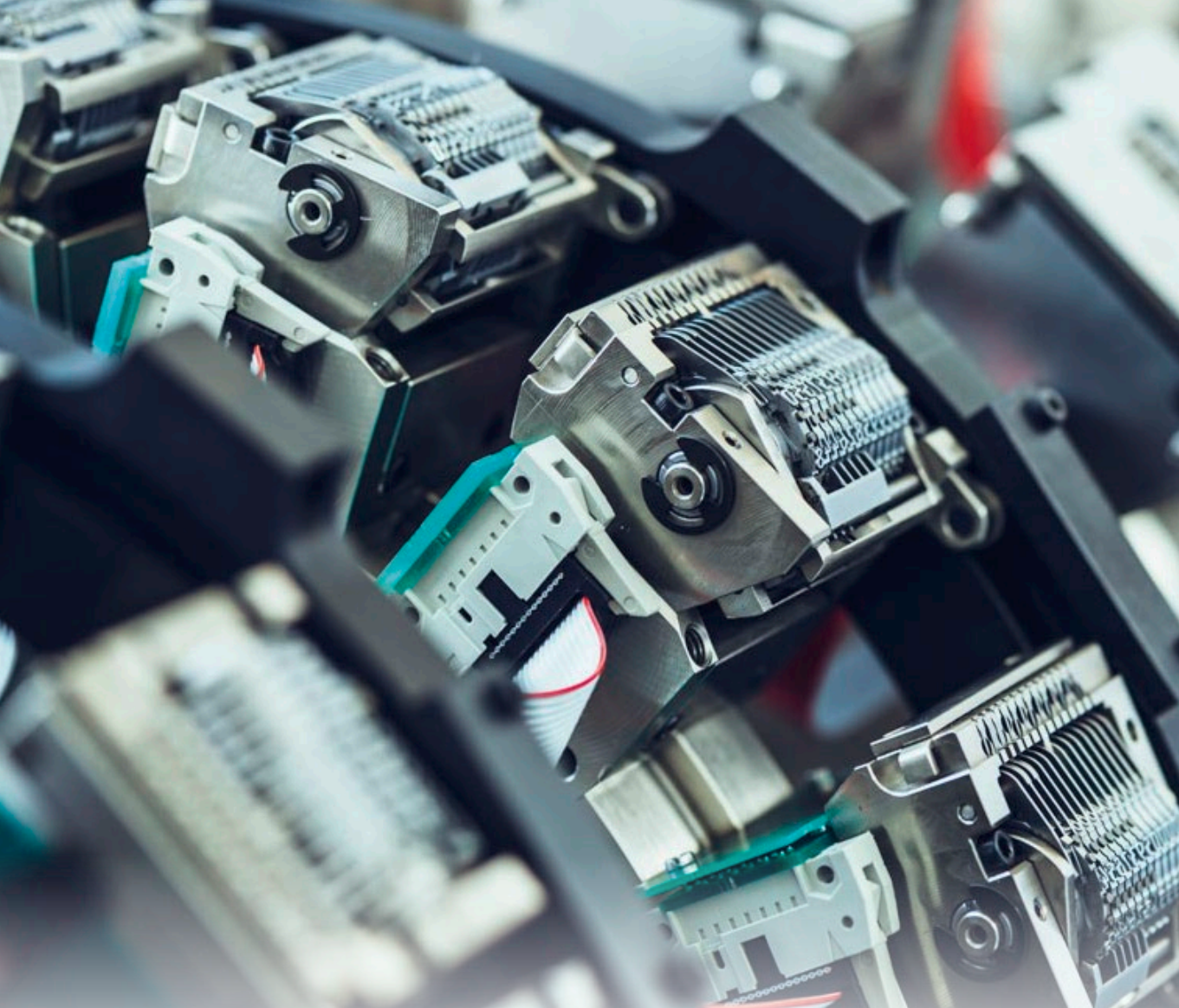
High reliability

» The software reports errors immediately, thanks to an actual/target comparison. The screen shows exactly which digit is incorrect and the machine stops.

» Non-automatic wheels have a spring-loaded locking device that blocks unwanted or accidental rotation. The locking device has to be pressed to rotate the wheels; releasing the locking device locks the wheels again automatically.

» The numbering machines are equipped with a pre-inking device.

» Optional: Full Monitoring Numbering System with Modulus (check digit monitoring)
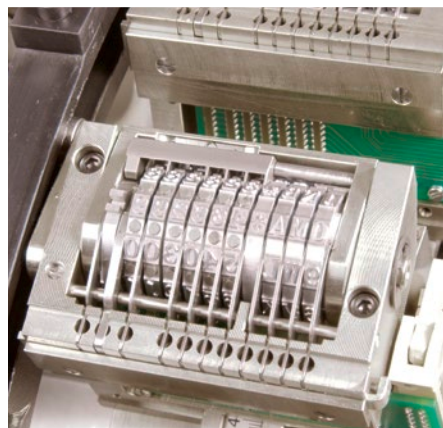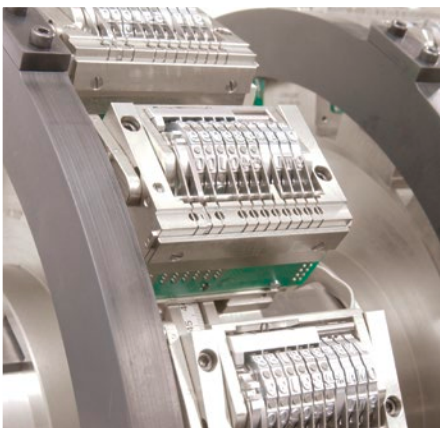
Quality and precision since 1948

For many decades now, the name Paul LEIBINGER has stood for state-of-the-art numbering machines and systems that set standards in the market. The vision of the company's founder, Paul Leibinger, was to manufacture durable and reliable numbering machines that are one-of-a-kind in their category. LEIBINGER customers benefit from our passion, expertise and in-house production:

» Long service life due to LEIBINGER's expertise in choosing material and in-house hardening/coating process
» High surface hardness
» High core strength
» High edge stability of the engraving
» High resistance against highly abrasive inks
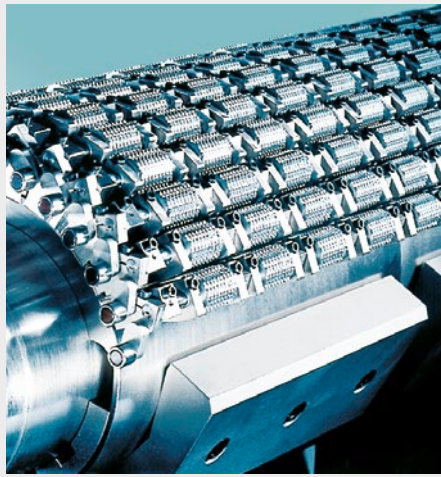
Technical specifications

VERIFICATION MODES PER OBJECT WINDOW

» Straight/convex numbering machines
» 2-unit construction for easy maintenance
» 4-sensor monitoring for maximum reliability
» Pre-inking function included option: electronic control
» Non-automatic wheel locking
» Application-specific cams and rings
» Customer-specific layout of mechanics and machine interface
» Slipring unit and encoder
» Cabinet for electronic components

CONTROLLER AND SOFTWARE

» Control panel with touch screen
» Easy access to all relevant information on monitor
» Operator-oriented user interface
» Job management for predefined production jobs
» Production protocol with date, production parameter, user
» Error recording and management
» Test program
» Full adaptation to any relevant type of printing machine
» Customer-specific adaptation

Quality Management
DQS
ISO 9001

LZ-E-001