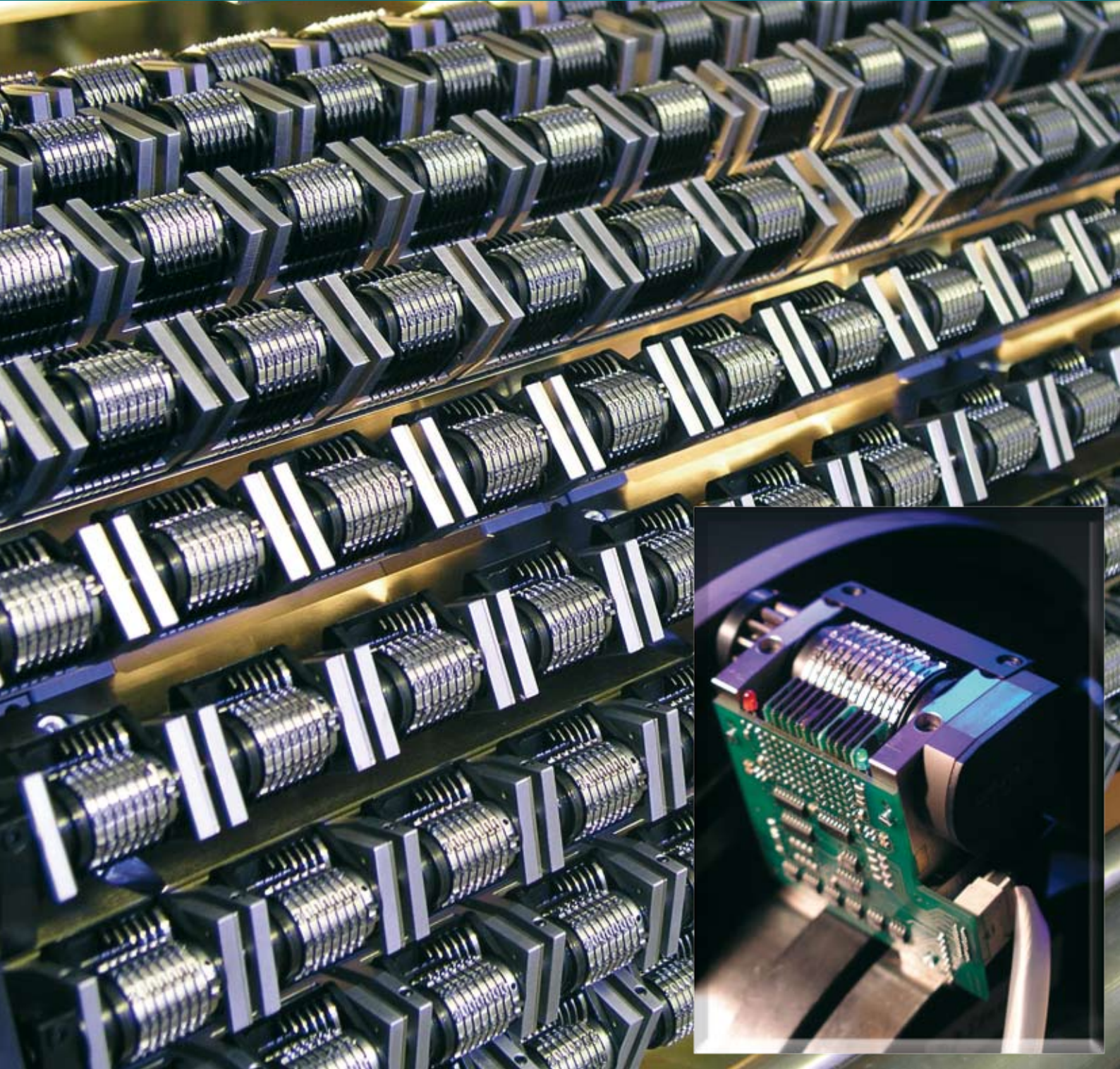


NUMBERING

The whole world of numbering



- CARD SYSTEMS ○
- DOCUMENT & PRODUCT IDENTITY ○
- IMPACT NUMBERING ○



Numbering Systems - with decades of experience

Rotary Numbering Machines

Atlantic Zeiser has manufactured thousands of different types of numbering machines. All of the highest quality, and all produced with our dedication to exactness and accuracy of details.

Every day more than 20 million U.S. banknotes are produced using our rotary numbering machines. This is just one example of how our high quality and security standards are respected around the world.

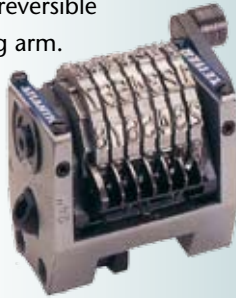
There are many reasons why Atlantic Zeiser standard and special numbering machines are in constant use around the world. We have a solution for every possible application, including yours.

The numbering machines illustrated here are part of our standard range of products.

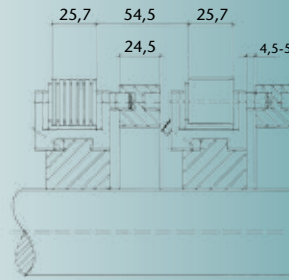
- Efficient and durable
- Made entirely of selected steels
- Either forward or backward operating

Model 100

Standard straight design:
7 digits, reversible
operating arm.



Mounting diagram



Standard type faces

No. 290 3/16" (4.76 mm)

0123456789

No. 290 4.0 mm

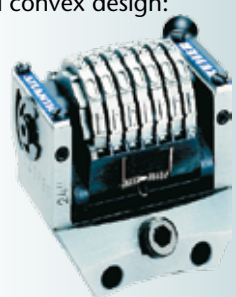
0123456789

No. 235 4.0 mm

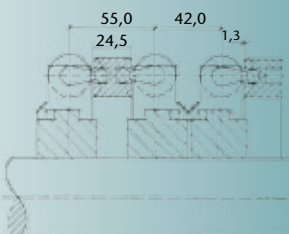
0123456789

Model 200

Standard convex design:
7 digits.



Mounting diagram



No. 290 3.5 mm

0123456789

No. 290 3.0 mm

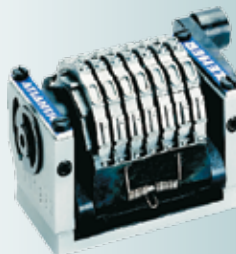
0123456789

No. 316 E 13 B

0123456789

Model 300

Standard flat
base design:
7 digits,
reversible,
operating arm.



Vertical imprint.

No. 302 OCR-B1

0123456789<>*+-/#

No. 293 CMC 7

0123456789

No. 296 OCR-A1

0123456789

Adapter model 502 - specially designed for use with numbering machine model 300

Designed and available for any printing circumference. Please provide required printing circumference when ordering.



Special type face on request.

Barcode Numbering Machines

A high degree of precision and the absolute maintenance of specified tolerances are essential factors for the manufacture of numbering machines.

Therefore the quality standards of Atlantic Zeiser exceed international standards.

Especially accurate are freight forwarding documents, airline tickets, bills of lading, prescription sheets or photo bags. Atlantic Zeiser's barcode numbering machines are available in a variety of designs for all the above applications.

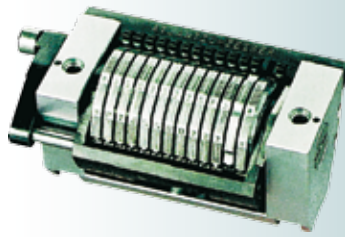
Barcode machines are available in all standard barcode symbologies.

Standard straight interact barcode numbering machines:



Also available in convex design.

High-speed barcode numbering machines:



With electronic monitoring system.

Interact barcode numbering machines with weighted check digit:

The numbering machine shown is engraved with EAN code and is fitted with a modulus wheel.



The entire indexing mechanism is integrated with the wheels of the machine.

Barcodes with intercharacter gaps of less than 0.25 mm are possible.

Barcode type faces



Code 39



USS-Codabar



Code 2 out of 5 Jata



Code 2 out of 5 Matrix



Code 39



Code 39



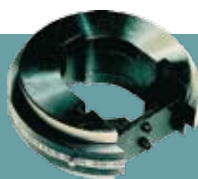
Codabar Monarch CX

Cams and Actuating Segments

Cams and actuating segments are available for any offset press equipped with a numbering system.

Mounting Ring

Split, with graduations for easy positioning. Stop pins for cylinder gap clearance.



Cam

Single or double sided grooved. Split design for easy mounting.



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www.atlanticzeiser.com

System solutions from the specialist

Electronic control technology, mechanical engineering, numbering systems - Atlantic Zeiser integrates different technologies for turnkey solutions

BLS-NEAL 2000

The Atlantic Zeiser BLS-NEAL 2000 system significantly reduces the numbering machine set up time for web and sheet fed presses and collators.

Engineered to control the ON/OFF action of numbering cams

mounted on either web, sheet fed rotary presses or collators and to maintain numbering sequence during production.

- ON/OFF in sequence numbering control
- Repeat numbering
- Special numbering sequences
- Programmable stop numbers
- Control of impression cylinders
- Cancellation of documents
- End of roll control
- Splice detection
- Fold synchronization

BLS-NEAL 2000 is a modular system which makes it easy to expand and alter for any future needs. More than 600 NEAL systems have been designed, manufactured, installed and are operating around the world.

BLS-ENC

The BLS-ENC system is excellent for numbering verification on banknotes, checks, lottery tickets, barcodes, or other security documents. BLS-ENC has been engineered for those applications requiring the guarantee of no missing or duplicate numbers. The BLS-ENC computer is user-friendly and provides detailed error messages if the numbering is incorrect.

Typical advantages of the BLS-ENC system:

- Numbering verification
- Ensures no missing numbers
- Ensures no duplicate numbers
- Production report
- User-friendly touch screen computer
- Can be installed in virtually all types of presses or collators
- Flexible, well proven system

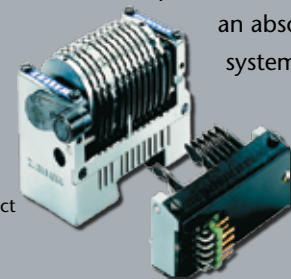
Numbering machine and tracking unit for non-contact impulse control



Numbering machine and tracking unit with hybrid effectors for the absolute monitoring system

The BLS-ENC system utilizes numbering machines incorporating two different tracking frames:

- With standard "impulse numbering machine" monitoring: Monitors the operation of the numbering machines.
- With the "absolute numbering machine" monitoring: This microprocessor technology permits total monitoring of the numbering machines operation and represents an absolute control system.



Cam with pneumatic control and sensor