Ring Group

Since 1921

PERFORATING MACHINE

RING ZP (Zero-Paper)

RZP 1050 / 950



RING ZP (RING ZeroPaper)

PERFORATION TECHNOLOGY | MACHINE PROGRAM

PRECISION. EFFICIENCY. RELIABILITY.

www.ring-group.com

MACHINE CONCEPT

The RING ZP (Zero-Paper) combines a robust four-column design with servo-controlled material transport. It is engineered for industrial perforation using laterally inserted tools.

UP TO 2,500*
PINS PER TOOL

UP TO 250**
STROKES PER MINUTE

4 COLUMNS
Robust machine structure

PNEUMATIC
TOOL CLAMPING

FEATURES AND FUNCTIONS

- **SERVO TRANSPORT**
  Servo-controlled conveyor belts for material handling.
- **TOOL HANDLING**
  Tools are inserted laterally into the machine. Tool changes can be completed within 2 minutes.
- **PAPERLESS OPERATION**
  Designed for operation without carrier-paper.
- **STROKE RATE**
  Up to 250 strokes per minute, depending on tool, perforation pattern and material.

* Depending on the perforation pattern and the material being processed.
** Stroke rate depends on tool, perforation pattern and material.

ERGONOMICS & SUSTAINABILITY

ZERO-PAPER: FEWER AUXILIARY PROCESSES. GREATER VALUE.

The RING ZP eliminates carrier-paper, reducing manual handling and simplifying production while lowering material, floor-space and logistics requirements.

ERGONOMICS & SAFETY

- **NO HEAVY PAPER ROLLS**
  No lifting or changing of carrier-paper rolls.
- **LESS INTERNAL TRANSPORT**
  No paper transportation or roll handling during production.
- **LESS FLOOR SPACE**
  Reduced clearance required around the machine.
- **IMPROVED WORKPLACE SAFETY**
  Less risk associated with lifting, transport and roll changes.

ENVIRONMENT & RESOURCES

- **NO CARRIER-PAPER WASTE**
  No paper waste or associated disposal requirements.
- **SINGLE-MATERIAL WASTE**
  Perforation waste remains separate from carrier-paper.
- **LESS STORAGE & LOGISTICS**
  No extra storage space or paper-roll logistics required.
- **LOWER CO_2 EMISSIONS***
  Potential savings from reduced paper use and transport.

NO DOWNTIME FOR PAPER-ROLL CHANGES

No roll changes and no refilling of carrier-paper: production does not need to stop for paper replacement. This supports efficient workflows and high machine availability.

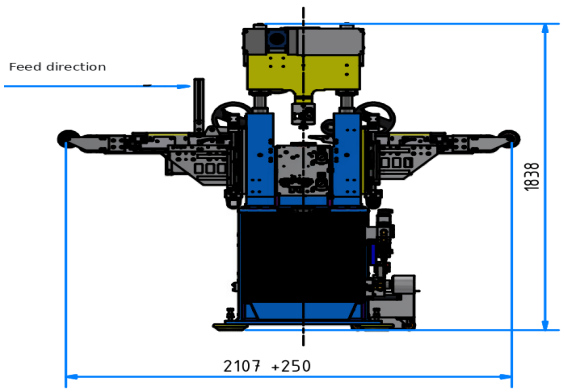
* Actual CO_2 savings depend on previous paper consumption, transport and energy use.
No specific emissions reduction is quantified without a comparative assessment.

TECHNICAL SPECIFICATIONS

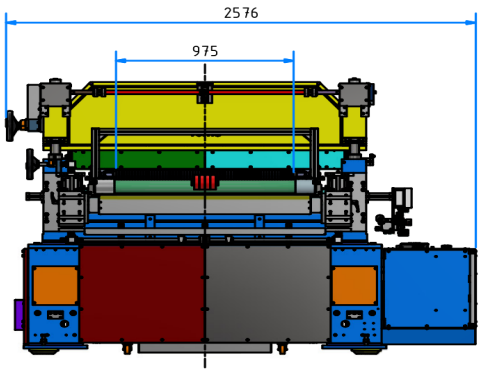
Product configuration: RING ZP (Zero-Paper)

Usable working width	**950 mm**
Stroke rate	**Up to 250 strokes/min**
Machine weight	**Approx. 3,500 kg**
Mains power supply	**400 V AC**
Control voltage	**24 V DC**
Rated power / rated current	**9.0 kW / 15 A**
Max. upstream fuse rating	**40 A / 400 V AC**

ENGINEERING VIEWS



Side view



Front view

Dimensions per drawing: 2,576 mm overall width, 1,838 mm height and 2,107 + 250 mm in feed direction. Approved drawings govern final dimensions.

Basis: mechanical and electrical documentation, revised 04 Nov 2026.
Subject to technical modifications.