

**NEW**

**ATLANTIC ZEISER**

# Embossing *8000*

High Speed Card Embossing System



**unique**  
**solutions**

# High Speed Card Embossing System by ATLANTIC ZEISER

New Technology provides unrivalled production throughputs



Embossing 8000 rotary table with sound insulation enclosure

**With the Embossing 8000 System ATLANTIC ZEISER combines its expertise in both card personalization system integration and numbering technology.**

The most compelling feature is the unrivalled level of production:

- Highest personalization speeds of up to 8.000 cards/h
- Lower personalization costs
- Multiple character embossing rather than character by character
- Expandable system design
- Great flexibility to fit changing requirements

## **New technical approach combined with proven technology**

The outstanding throughput is realized by following a completely new technical approach – based on the proven ATLANTIC ZEISER patented computerized random numbering machines. Multiple characters are embossed simultaneously rather than character by character.

## **Card transport on rotary table**

Cards are fed over from the friction feeder to grippers which are fixed on a center-positioned rotary table. This space-saving transport design holds each single card during the entire embossing and topping process.

## **Farrington 7B for first line**

To emboss the upper line on the card the Embossing 8000 uses two numbering machines carrying the font Farrington 7B.

## **Standard Gothic for alpha-numeric lines**

To cover a complete alpha-numeric font range three alpha-numeric stations are required in the standard model. If more than one alphanumeric line is necessary the card is moved underneath the specific alpha-numeric station to change to the next line.

## **Topping of cards**

The topping station colorizes the embossed characters. After topping the cards are transported to a delivery belt.

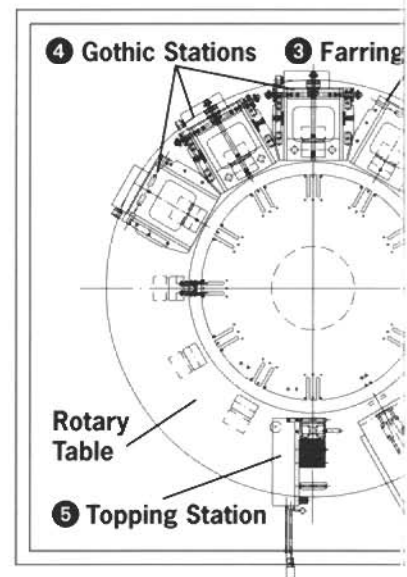
## **Customized Card Embossing System**

The expandable design offers great flexibility to meet various needs. For highest functionality the Embossing 8000 includes in the standard configuration the following components:

- Feeder
- 2 Farrington stations
- 3 Standard Gothic stations
- Topping station
- Delivery
- Sound insulating enclosure
- Control unit

## **Option:**

Number of Standard Gothic stations can be increased up to 6 stations based on customers needs and configuration requirements





## Technical Specification

Card format	CR80 as per ISO/IEC 7810 54 x 85.6 mm      2.125 – 3.375 inches Double sized cards (embossing on the CR80 part only) 111.5 x 85.6 mm    4.390 – 3.375 inches	
Card thickness	0.45 – 0.84 mm	17.7 – 33.1 mil
Card materials	ABS, PET-G, PVC, PVCA, PE and Polyester	
Throughput	Up to 8'000 cards/h depending on the number of lines and machine configuration	
Noise	≤ 80 dB(A)	
Power supply	400 V / 50 Hz or 60 Hz / three phases + neutral + PE; 22 kVA	
Ambient temperature	10 – 38 °C	
Relative humidity	20 – 80 % not condensing	
Compressed air supply	7 bar	
Air consumption	Approx. 43 liters/min (with max configuration)	
Air quality	According to DIN ISO 8573-1 the supplied air has to be: < 0.1 µm remaining dust (class 1) < 1 mg/m <sup>3</sup> remaining oil (class 3) < 3 °C pressure dew point remaining water (class 4)	
Dimensions	Cabinet	Control unit
	Length: 2000 mm / 78.7 inches	1200 mm / 47.2 inches
	Width: 2000 mm / 78.7 inches	800 mm / 31.5 inches
	Height: 2100 mm / 82.7 inches	1950 mm / 76.8 inches
Weight	Embossing unit:    ≤ 1300 kg	Control unit:        ≤ 410 kg
Floor details	Max. point loading less than 3200 N (dowelled) Flat floor surface (unevenness ≤ ± 5 mm)	

ATLANTIC ZEISER GmbH  
Bogenstraße 6–8  
D-78576 Emmingen · Germany  
Phone    ++ 49 7465 291-0  
Fax        ++ 49 7465 291-166  
Sales@AtlanticZeiser.com

ATLANTIC ZEISER Inc.  
15 Patton Drive · West Caldwell  
New Jersey 07006 USA  
Phone    ++ 1 973 228-0800  
Fax        ++ 1 973 228-9064  
Sales@AtlanticZeiserUSA.com

ATLANTIC ZEISER Ltd.  
53 Central Way  
Andover, Hants. SP10 5 AL · GB  
Phone    ++ 44 1264 324-222  
Fax        ++ 44 1264 324-333  
Sales@AtlanticZeiser.com

ATLANTIC ZEISER S.A.  
21–23, rue Eugène Dupuis-Europarc  
94043 Créteil Cedex · France  
Phone    ++ 33 1 56711309  
Fax        ++ 33 1 43774430  
Sales@AtlanticZeiser.com

ATLANTIC ZEISER s.r.l.  
Via Varesina 174  
20156 Milano · Italy  
Phone    ++ 39 02 33497740  
Fax        ++ 39 02 33401413  
Sales@AtlanticZeiser.com

ATLANTIC ZEISER S.A.  
Dr. Esquerdo, 112  
28007 Madrid · Spain  
Phone    ++ 34 91 4336 661  
Fax        ++ 34 91 5528 916  
Sales@AtlanticZeiser.com

[www.AtlanticZeiser.com](http://www.AtlanticZeiser.com)

**unique**  
**solutions**