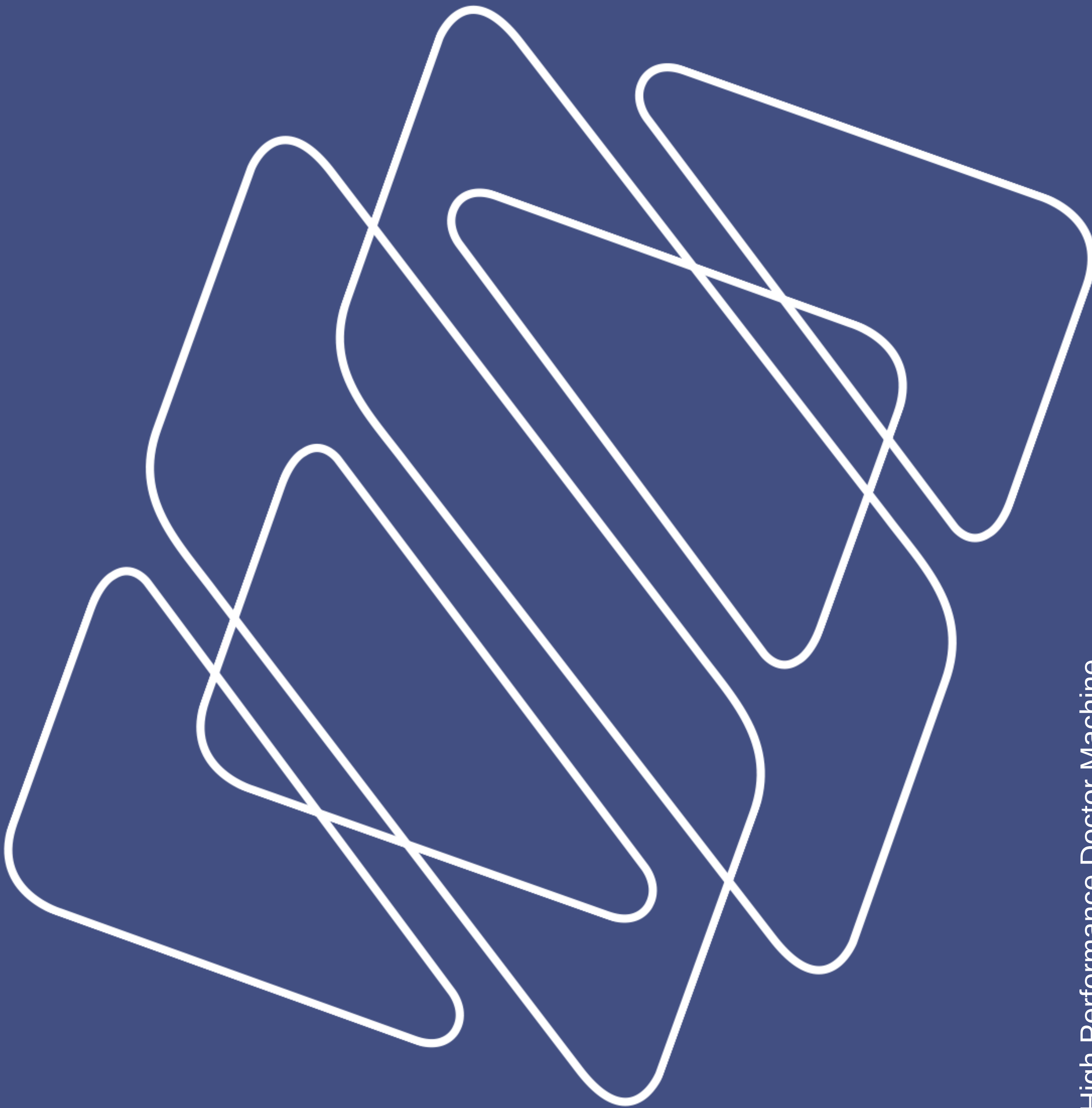


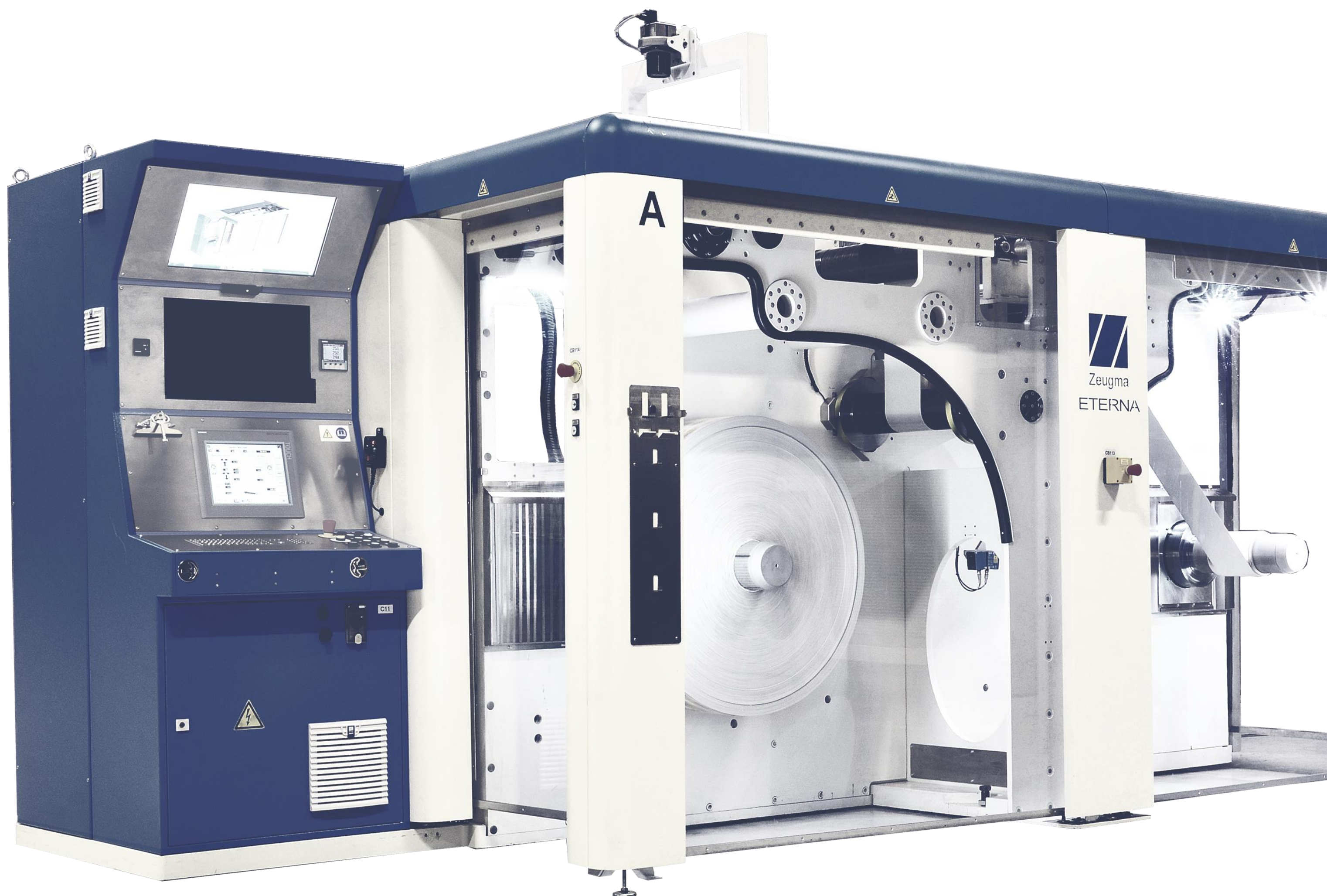


High Performance Doctor Machine

ETERNA

SINCE 1997

CONVERTING SOLUTIONS



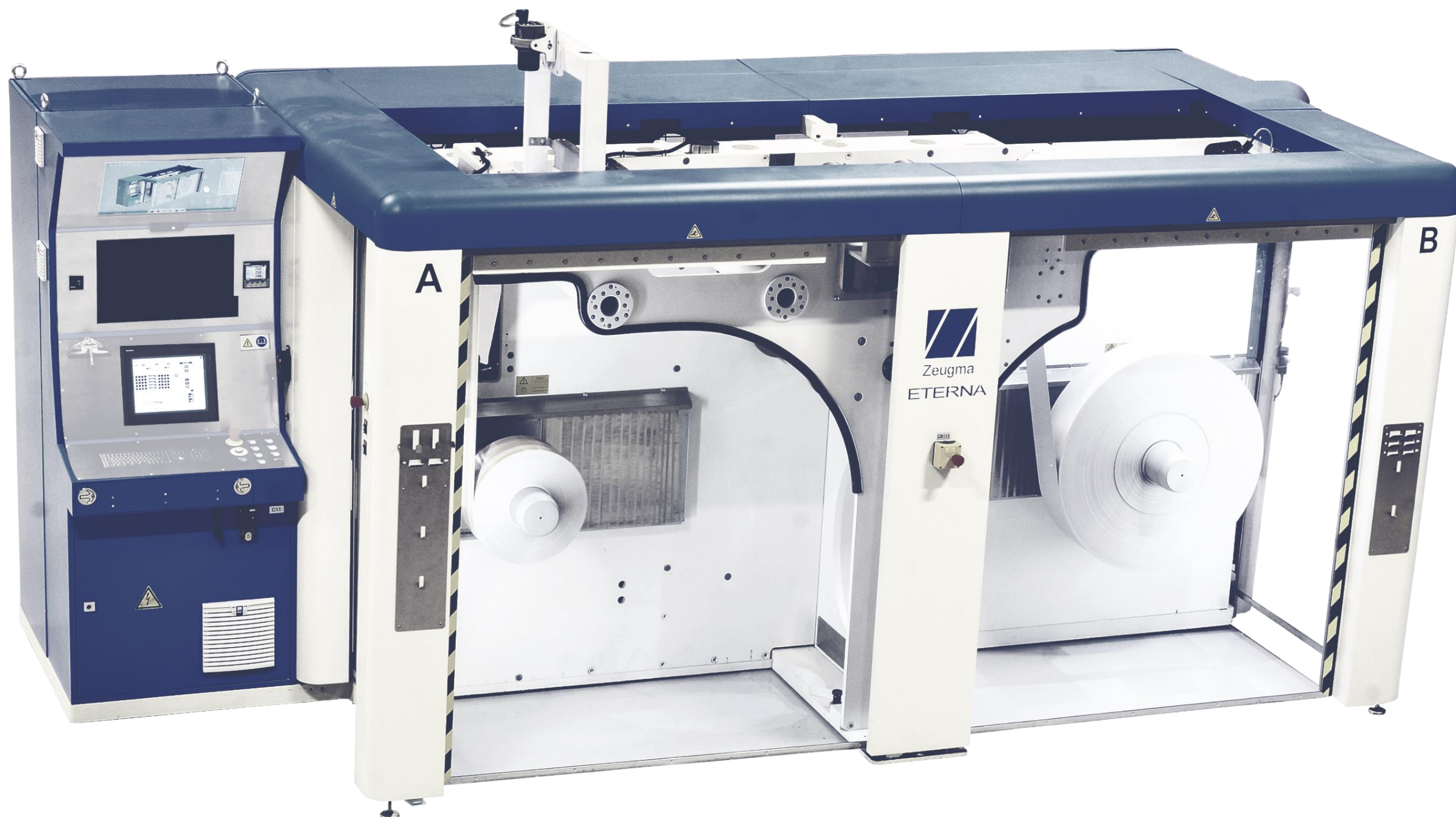
ETERNA

HIGH PERFORMANCE
DOCTOR MACHINE

zeugma@zeugma.pt

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DESIGN FOCUS:



Energy efficiency

Due to the direct drive concept, using high efficiency synchronous servo motors running as motor on the rewinder and generator on the unwinder, the energy consumption is extremely low.



Safety

Machinery directive 2006/42/EC



Performance

Short ramp up times
High MTBF
Integrated splice Unit
Optimized for operator Inspection

ETERNA

HIGH PERFORMANCE DOCTOR MACHINE

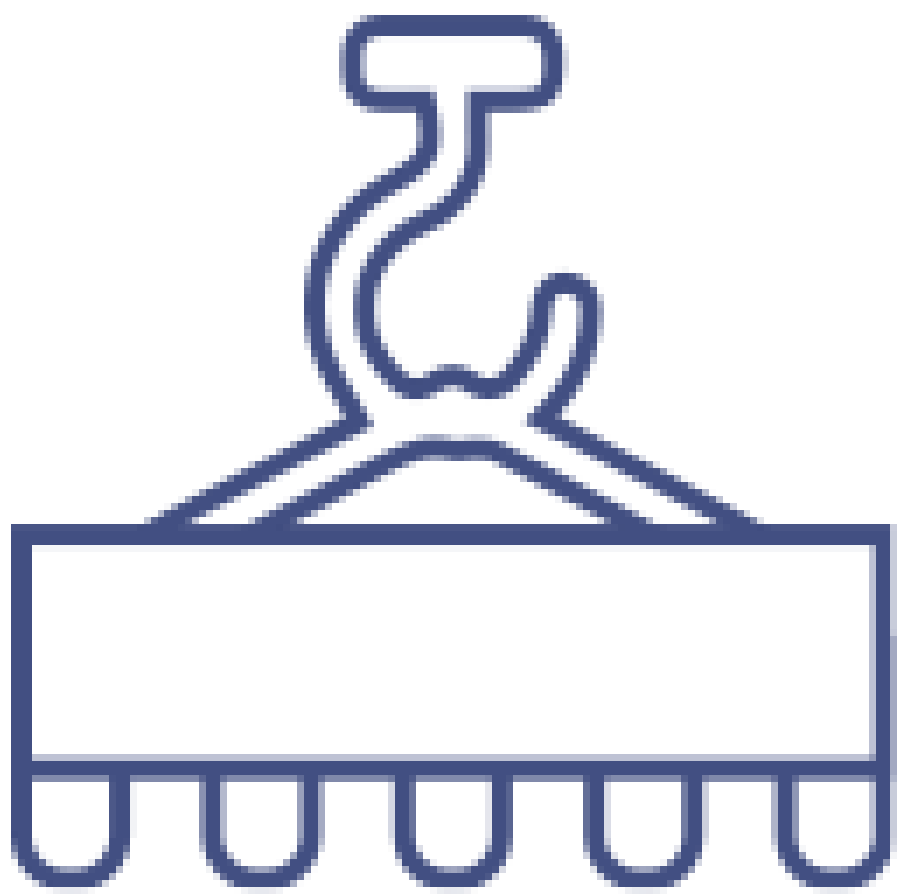
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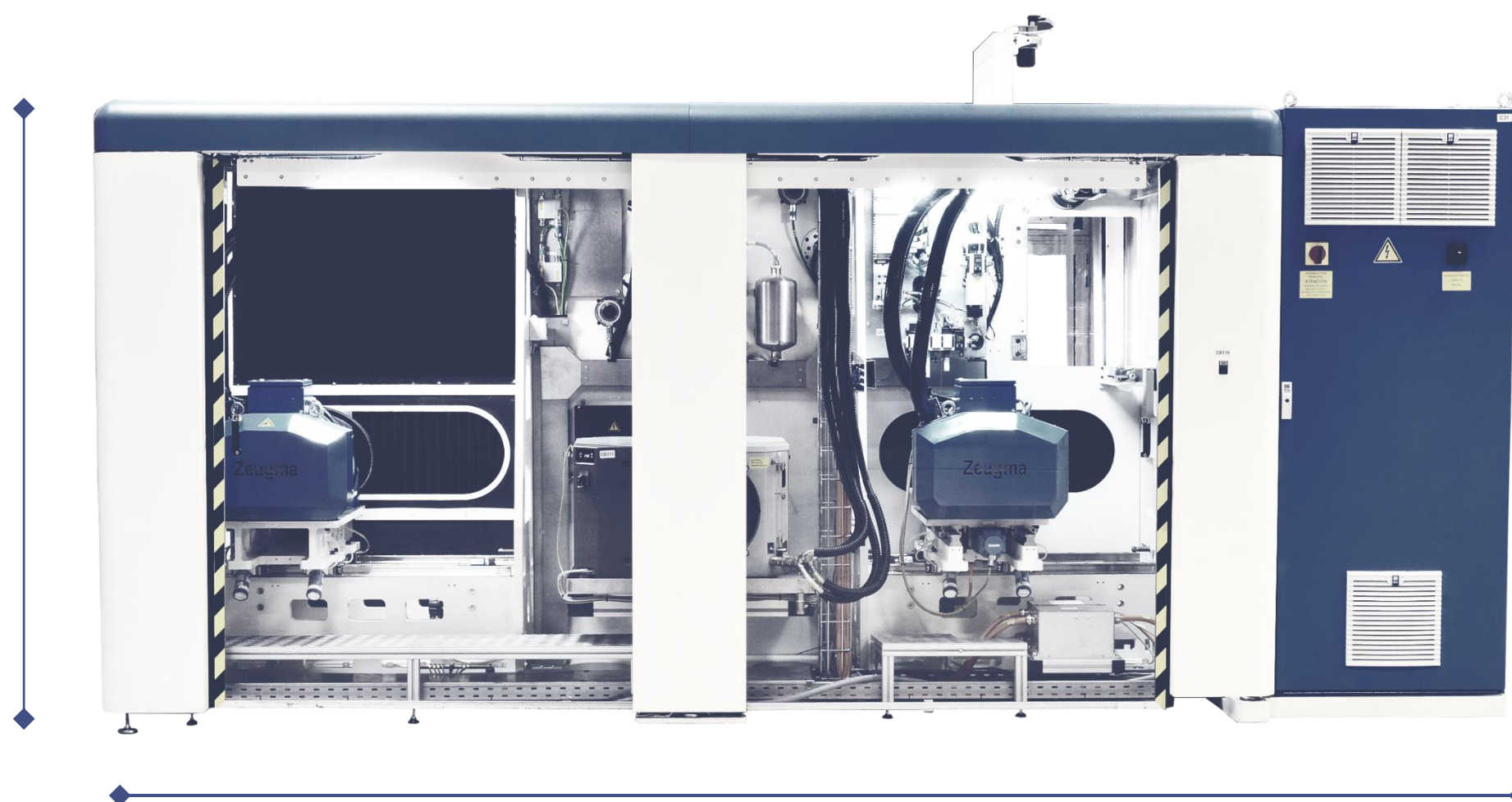
EASY INSTALLATION & COMMISSIONING



The Eterna doctor machine was designed to reduce time and cost of shipment and installation/ commissioning , the machine is shipped as a pack on a 20' container .



2470 mm



4830 mm

ETERNA

HIGH PERFORMANCE DOCTOR MACHINE

zeugma@zeugma.pt



Key Figures & Features:

Line Speed	up to 1200m/min (4000 ft/min)
Reel Diameter	(3,5inch) 90mm < Ø < 1350mm (53 inch)
Core inner diameter	(3 inch) 70mm < Ø < 300mm (12 inch)
Normal Ramp time	10s < nrt < 15s
Protective stop time ramp time	Up to 5s
Web Tension	(27lbf) 120N < T < 720N (162 lbf)
Web Width	(4,1 inch) 105mm < W < 600mm (24 inch)
Max. reel weight	525 kg (1160 lb)
Web grammage	(0.0286 lb/ft2) 140gsm < WG < 460gsm (0.0942 lb/ft2)
Web thickness	(0,007 inch) 0,176mm < t < 0,678mm (0,027 inch)
Web Compensation	+/- 25mm (+/-1 inch)
Required Area in factory layout	24m² (37200 inch²)

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Other Key Features:



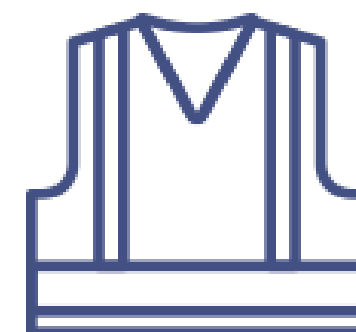
Integrated features for web inspection

- Package counter
- Full Web Inspection LED Stroboscopic lights
- Operator Software tools for doctoring process
- Recipe based production

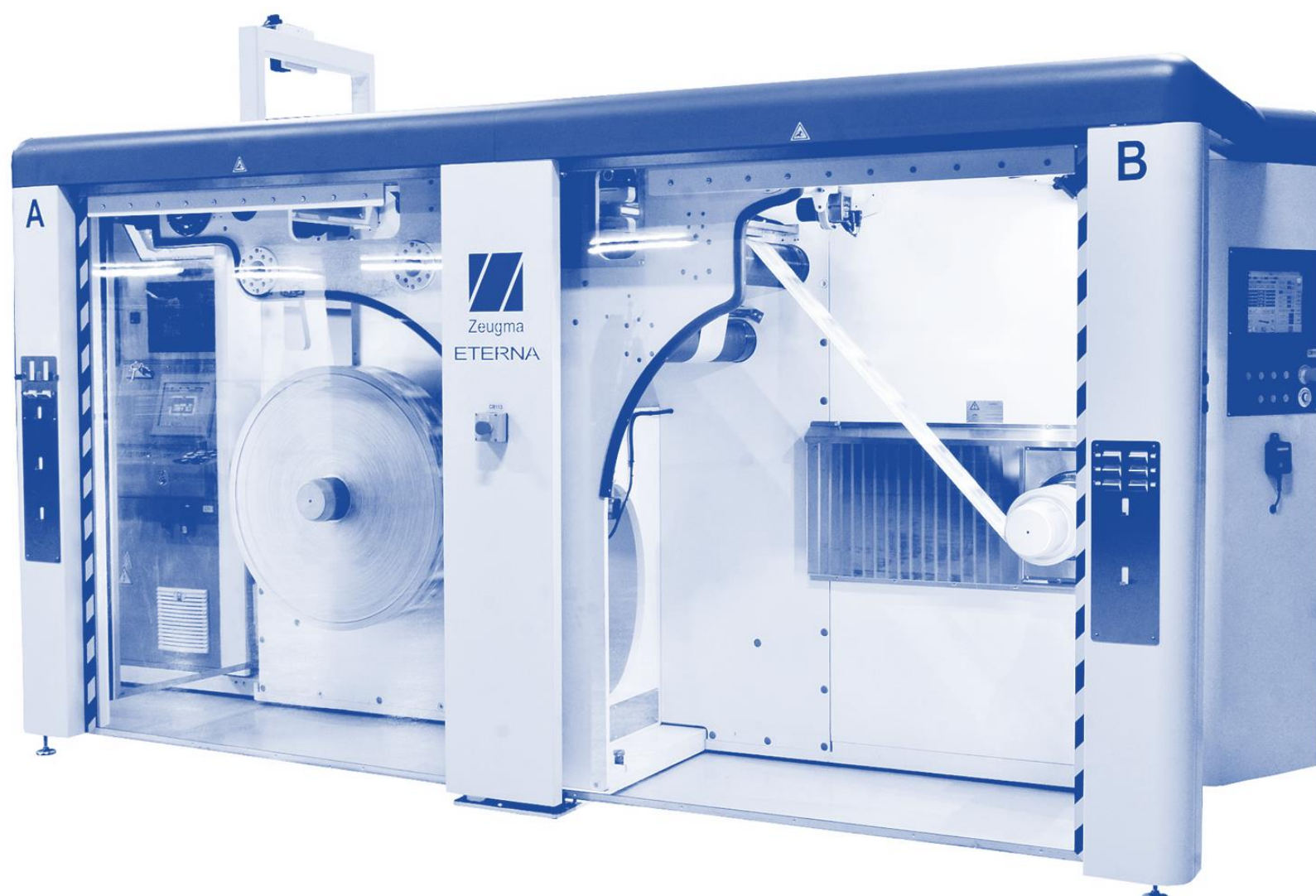


Food compliant materials

Designed for safety
Ergonomics



Regenerative
power

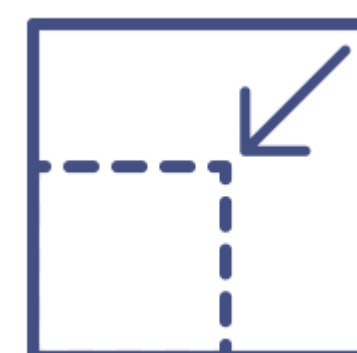


No Hydraulics



Low Maintenance needs
Standard components
High performance design

Reduced layout
No external cabinets



Integrated Splice unit
Reduced layout and installation time



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HIGH PERFORMANCE DOCTOR MACHINE

zeugma@zeugma.pt