SLEEVE CHANGE CALENDER SWK

The Matthews Engineering Sleeve Change Calender SWK for the paper and cordboard industry represents an unique machine concept. Due to our many years of experience in designing and building embossing calenders. This enable us to offer you the optimum in machine configuration for your material and your specifications.
The machine capability spectrum extends from a cold allover embossing via register-true inline embossing and debossing e.g. male/female system up to micro embossing.

TECHNICAL DATA

Standard face length: 680 mm – 1.050 mm

Production speed: up to 500 m/min.

Embossing roller circumference: 575 mm – 1.200 mm

OPTIONAL

Circumferential and lateral register control

Mechanical and electrical interface adjustment

Special executions on request

Possibility of integration into existing standard production lines due to the modular system

EXPANDER CORES (ECS – EASY CHANGE SYSTEM)

Clamping mechanism for sleeve inside the SWK

Hydraulic pressure increases the diameter of the expander core is and enlarged over the entire surface – so this fixes the sleeve securely and torsionally resistant

Conical principle of expander core and sleeve guarantees sufficient play during joining

Deflection compensation through variable internal pressure in certain dimensions possible

ADVANTAGES OF THE MACHINE CONCEPT

Embossing design change in less than 15 minutes – reduced setup times and setup costs

Fast and simple sleeve change inside the machine

Fully automatic positioning from male to female sleeves

Demanding 3D-Embossing with different structure heights

Readjustment by less waste during running production – radial/axial correction

User-friendly through easy menu navigation and high automation level offer versatile setting options for an optimum embossing result

No repeat gear wheels necessary

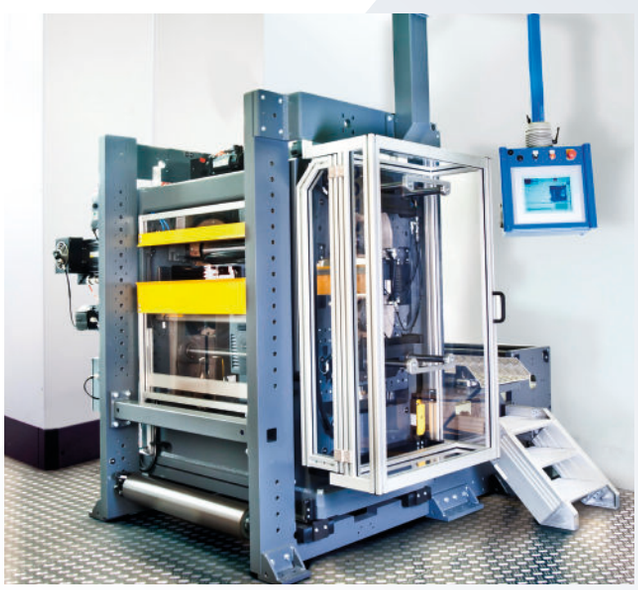
Register corrections directly over the drives or the compensating roller possible

For all common circumferences only one pair of expander cores needed

Individual ratio between print and embossing (if without double cut)

Higher production speed

Sturdy design and compact construction



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