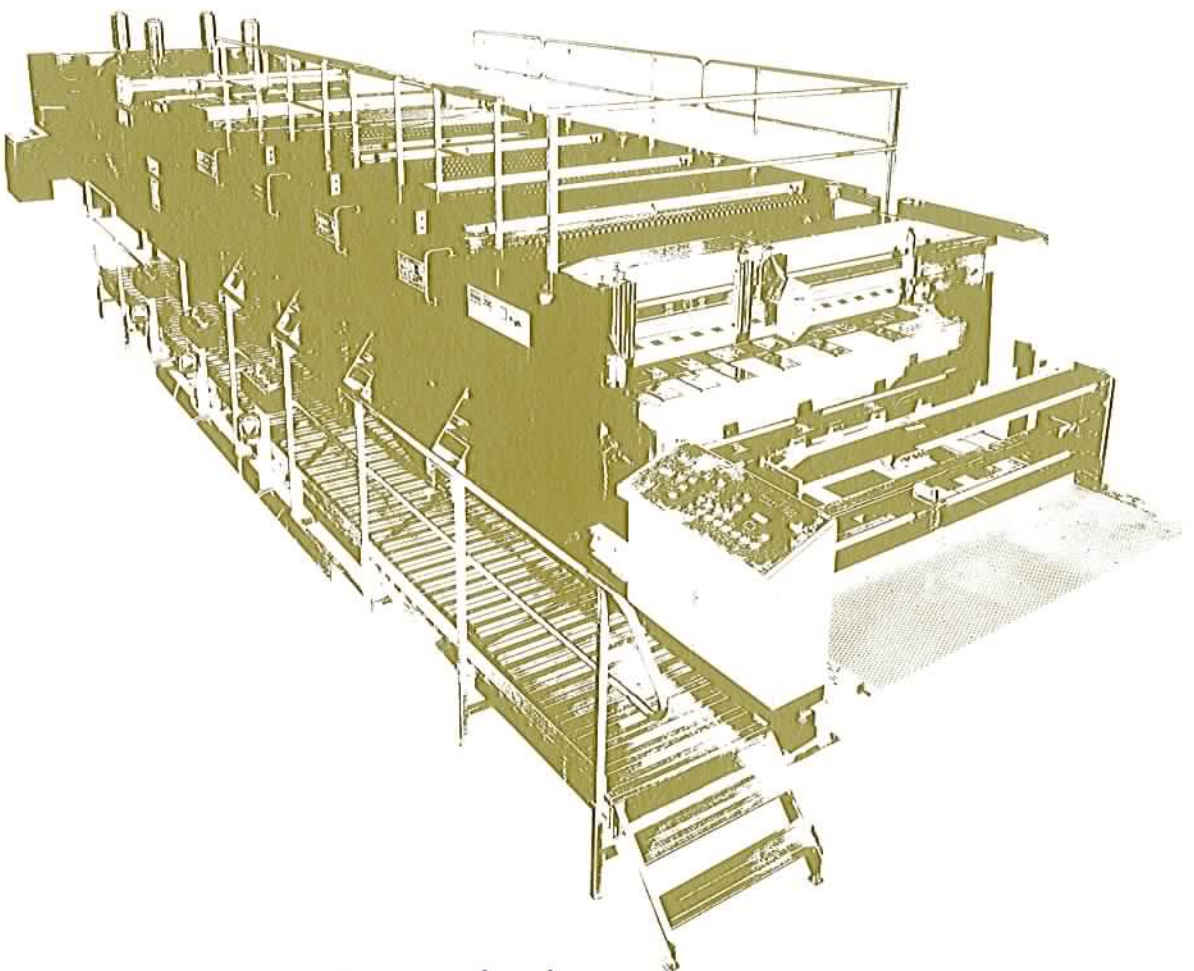
EMBA 290



– a profitable companion

Its fast, it's reliable,

The EMBA 290 will produce bette

When you approach the EMBA 290 you immediately become aware of its true capabilities - advanced design, outstanding productivity, rugged reliability, precision, speed and improved operator interface.

The EMBA 290 machine design allows for the overlap of orders and gives the boxmaker a continuous running production opportunity. The machine is ready for the new order as the last box clears the counter stacker.

Production is improved due to set up reduction, increased speeds and reduced maintenance intervention.

The Emba 290 is an exceptional boxmaker. Straight, well-printed and correctly slotted sheets will be glued and folded into high quality boxes at a rate that will destroy existing production benchmarks.

it's the 290 Champion!

boxes, faster and with more profit.

Solid machine

The heart of the EMBA 290 is the continuous one-piece vacuum transfer belt.

The machine does not open or close, roll in or out, ever! The sheet passes through the machine as one motion instead of a series of handoffs. The EMBA solid design eliminates the need for tracks, pneumatic lock downs, and floating gear trains. EMBA utilizes a line shaft drive system technology. This is the same used on precision printing machines. The EMBA 290 is the heavy weight champion of our product line.

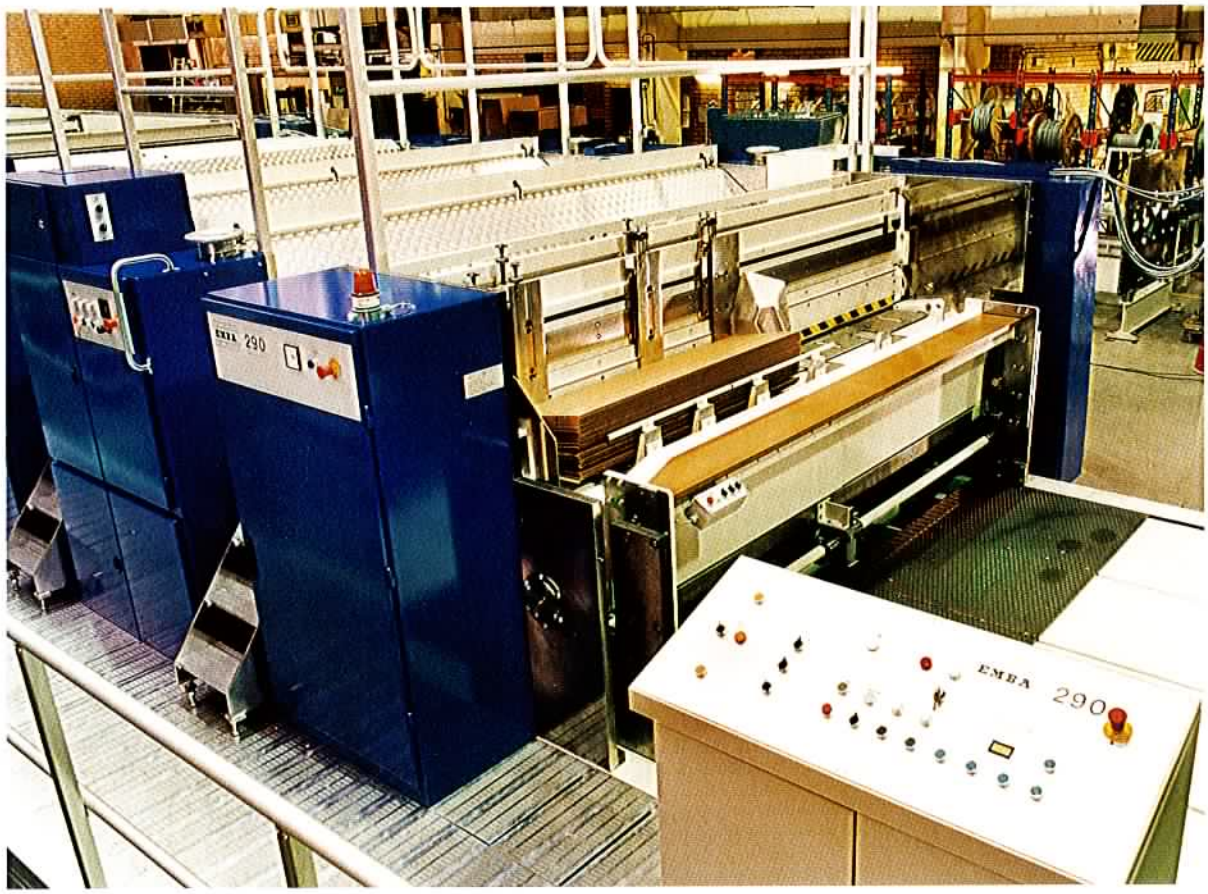
Easy to operate

The EMBA 290 is easy to operate. Self-tutoring control settings minimize the need for supervision and manual intervention. Utilizing an advanced Swedish ergonomic design, the operator controls, computer screens, and safety devices are where they need to be. Operators are free to concentrate on quality and setting up the next order. All caliper settings are automatic.

The machine can store thousands of jobs in memory. Once the job information is stored the machine can repeat the settings and produce a one box setup. Self-diagnostic fault tracing reduces downtime for any maintenance situations. Uptime is the key to a profitable operation and the Champion will meet the bell every shift.

The print register is practically perfect and since all settings are fully automatic the EMBA 290 will be very, very productive. Of course you can change printing dies while the machine is producing.

The newly developed down-stacker system will make neat, square bundles of practically perfect boxes - at very high production speeds !



The feeder will place the sheets perfectly on the vacuum transport system. After that, the sheets will remain in the right position no matter what.

Slotting is crisp, exact and fast. Fish-tailing and gap variations are history.

Heavy weight slotting section

The slotting section is massive (30,800 lbs). The heavy-duty unit is flexible, two pairs slotting shafts minimizes the need for removing and mounting of knives. The steel to steel glue tab cutting device requires no adjustment when changing board thickness. Boxes with extended glue tabs can also be produced in this machine. From large double wall sheets to small sheets this champion takes on all challengers.

Quality top printer

Top printing is the key to the best visual control. The 290 top printer allow operators to see what they are doing! Top printing reduces smear and increases machine efficiency.

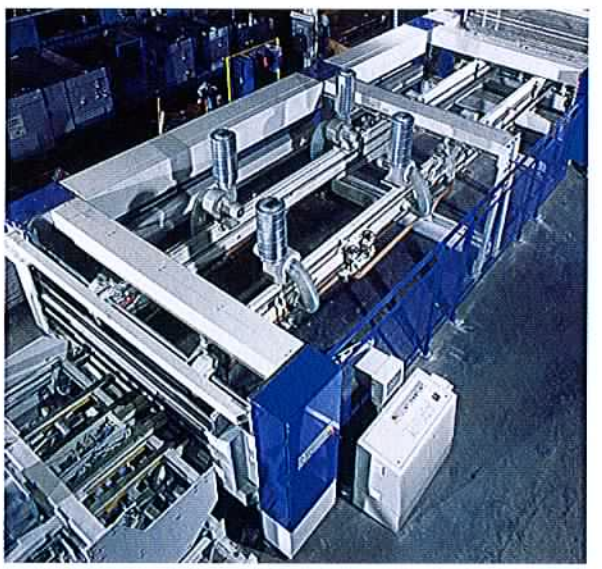
The combination of advanced continuous vacuum transfer and new timing belt drive system allows for an extremely close print registration. The issues of tight registration, from the first box to the last, multi-color printing and of high graphics direct print are all addressed on the EMBA 290

Because of the advanced vacuum transfer, print registration is always predictable in all printing

The vacuum transport system guarantees box quality. Sliding, smearing, print register discrepancies and uneven slotting are no longer problems.

The computerisation is highly developed and the EMBA 290 is very easy to work with. The risk for human errors is practically eliminated and order set-ups are fast and easy.

The new folding section with a prolonged vacuum transport system ensures gap control and secured box quality.



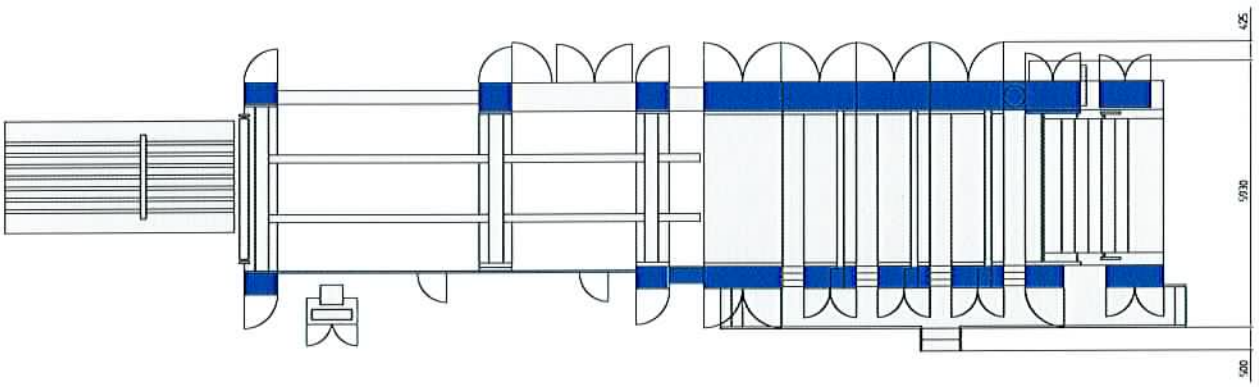
units. It does not matter if you are running 2, 3 or 4 printing units there is no accumulation of print registration.

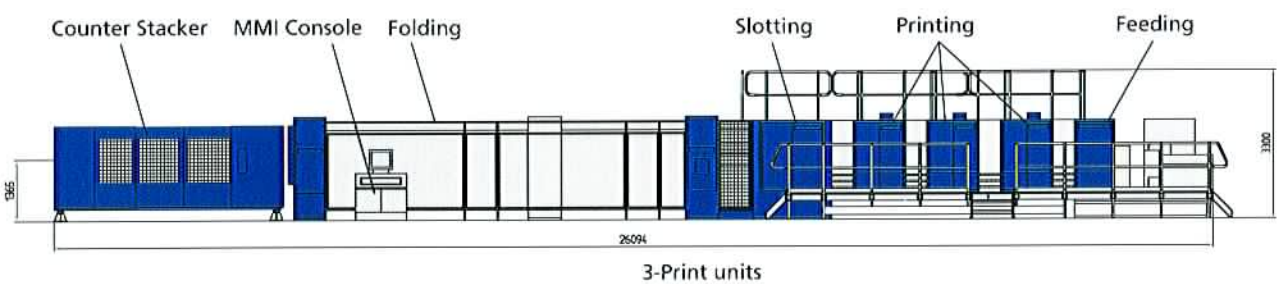
High performance counter-stacker

The new EMBA down stacking counter-stacker will guarantee exact count and ensure higher reliability when producing die cut boxes. When running larger sheets ink smear can be a real problem, the down stacking system reduces smear and increases efficiency.

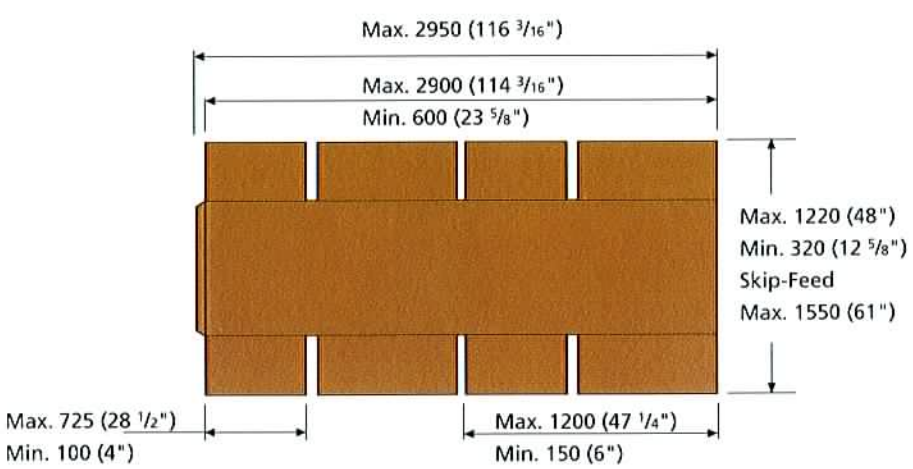
The break through on the EMBA counter-stacker is in the area of the bundle count verses cycle speed. You now can reduce your bundle count and not lose machine speed due to the cycle time of the counter-stacker. Production orders that require fewer boxes per bundle due to the size or weight of the box will not be a production limitation. No longer will a reduction in bundle count reduce machine speed.

EMBA 290 – facts, n





Metric (Inch)



umbers and options

Basic Technical Data

Board caliper:	1.5–12 mm
Running speed:	20-250 blanks per minute depending on size, quality etc.
Main drive:	DC approx. 85 kW
Rated power:	185 kVA
Power consumption:	Approx. 140–160 kVA
Required air pressure:	600–700 kPa (6–7 kg/cm²)
Air consumption:	Approx. 500l/min depending on machine configuration
Nominal print cylinder diameter:	429.5 mm (including printing plates)
Max. printing area:	1300 x 2940 mm (full machine size)
Unfolded blanks:	Max. width 2000 mm

Standard/Option

Feed unit	Standard	Option
EMBA lead edge vacuum feeder	✔	
Skip-feed	✔	
Sheet cleaner		✔
Motorised middle support of feed-magazine	✔	
Motorised rear sheet support	✔	
Side-pusher and motorised squaring plate	✔	
Print unit		
Pre-mounting of printing plates on units in stand by position	✔	
Doctor roll ink system	✔	
Chamber blade ink system		✔
Ink station on operator side	✔	
Quick wash of ink system	✔	
Ceramic anilox rolls		✔
Matthew fastening system for mounting of printing plates	✔	
Ink dryers mounted in the space between the units		✔
Slotting unit		
Dual slotting shafts	✔	
Steel to steel glue flap cutting with fixed caliper	✔	
Easy extension of glue flap	✔	
Motorised individual crushing of glue flap	✔	
Folding unit		
Vacuum transport	✔	
Glue flap on inside or outside	✔	
Spray glue system with set up integrated from MMI – (Man Machine Interface)	✔	
Glue detection/marking system		✔
Counter-stacker unit		
Counter-stacker unit type down stacker	✔	
Control system		
Windows based MMI – (Man Machine Interface)	✔	
Article database for repeat settings	✔	
MMI system equipped for storing a large number of orders and production reports		✔
Operator assistance on display screen including fault tracing function	✔	
MMI system for data communication/network		✔
Jam detector system	✔	
Automatic setting for both box dimensions and calipers	✔	

We reserve the right to change the design or specification of the equipment without notification