



### GR 45 High Speed Compensating Stacker

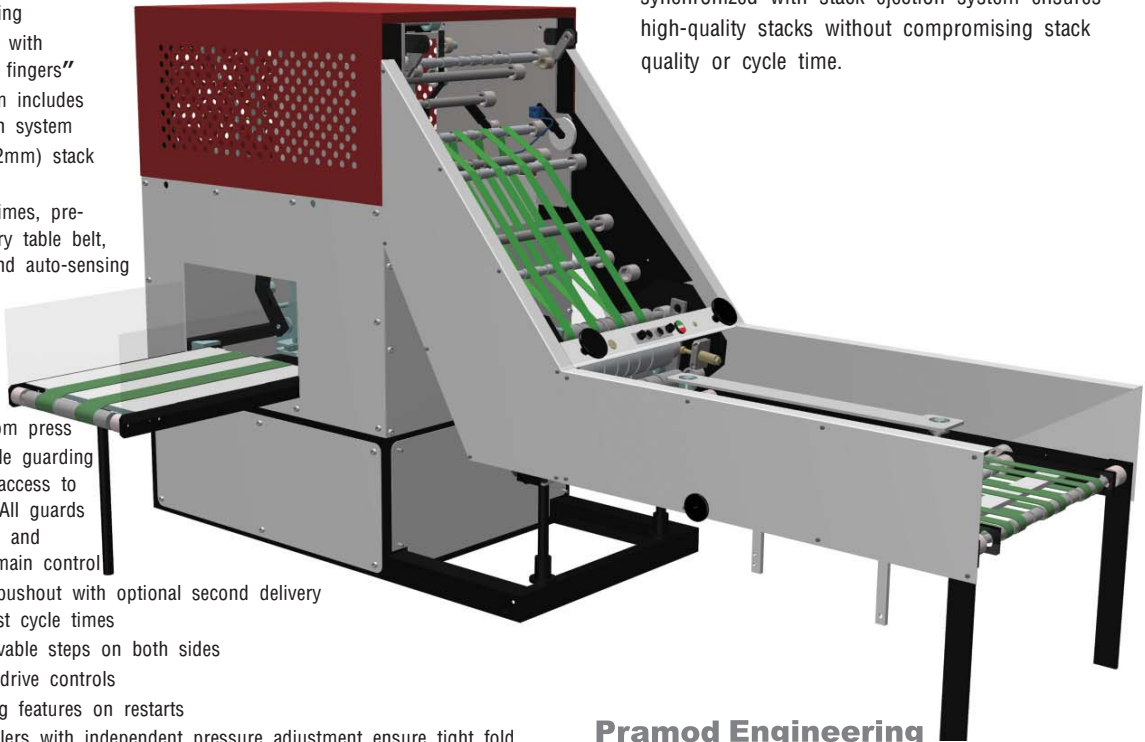
The GR 45 Compensating Stacker is designed for general pressroom, print finishing, or converting applications where speed, reliability, high stack quality and versatility are required. It can work directly inline with press deliveries, rotary trimmers, or feeders at a maximum rate of 100K PPH. High quality stacks of products are counted, compressed, compensated, and then delivered onto a belt-driven air table for further manual or automated processing. Many features designed into the standard model, make it easily adaptable to many different operating conditions.

#### Features:

- Independently-driven waste divert conveyor assures clean transfer of waste
- Calibrated numerical readouts on upper bin and pneumatic crush roller settings
- Interfaces with delivery streams from 18"- 56" (457-1422mm) without extra conveyors
- High-frequency stream alignment and jogging
- Reliable and accurate laser counting as standard
- High frequency jogging in the stacking bucket on all sides
- Automatic lifting of upper belts for quick and easy jam clearance
- Quick lock swivel casters for easy movement in any direction
- Improved control for lightweight signatures
- Operator controls on all four sides of the stacker
- Self-supported air delivery table with auto detection can be moved by one operator.
- On board clock logs operating hours and drives maintenance schedule reminders
- High visibility touch screen with easy access, easy-to-understand operator controls, maintenance menus and troubleshooting
- Three-stage drop with innovative "wide fingers"
- Pneumatic system includes optimum filtration system
- Full 17-inch (432mm) stack height capability
- Very fast cycle times, pre-staging of delivery table belt, bundle pusher and auto-sensing for last drop compression
- Press speed following using 0-10 vdc or 0-5vdc signal from press
- Simplified, durable guarding with wide open access to all components. All guards safety interlocked and annunciated on main control
- Alternating side pushout with optional second delivery table for very fast cycle times
- Full length removable steps on both sides
- High quality AC drive controls
- Automatic homing features on restarts
- Double crush rollers with independent pressure adjustment ensure tight fold compression for high quality stacks
- Speed following output signal from stacker (0-10 vdc or 0-5vdc) for other equipment to speed follow the machine
- Simplified operator controls utilizes fewer adjustment knobs .

#### Key Benefits:

- Highest quality "brick-like" bundles
- Exact laser count ensures accuracy
- Reduced waste through streamlined set-up and operation
- Fast and easy operator make-ready
- Highest reliability minimizes downtime
- Maximum flexibility for expanded range of product sizes, papers & speeds
- Operator-friendly guarding with great accessibility assures safe operation
- Easy-to-see, easy-to-understand touch screen controls
- Automatic jam detect cleanout function
- Fully automatic extending delivery table belt synchronized with stack ejection system ensures high-quality stacks without compromising stack quality or cycle time.



### Pramod Engineering

Delhi Press Bldg., E-3, Jhandewala Estate, New Delhi-110055  
Phone: 8826738880 ● 9650446660  
9818204702 ● 011-43586899  
ceo@pewbindery.in | info@pewbindery.in ● www.pewbindery.in

# TECHNICAL SPECIFICATIONS

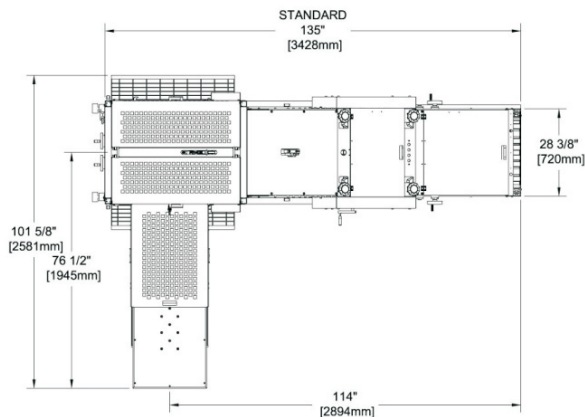
# GR 45 Compensating Stacker

Product:	Minimum	Maximum	
Product Thickness .	12mm (.005")	40mm (1.57")	
Product Width	146mm (5.75")*	500mm (19.69")	
Product Length	100mm (3.94")	330mm (13.00")	
Product Diagonal		560mm (22.05")	
Stack Height	25mm (1.00")	432mm (17.00")	
Stream Shingle Lap	19mm (.75")	102mm (4.00")	
Shingle Offset		± 15% from center	
Edge Offset		± 20mm (± .79")	
Page Count	2-Page (60g/m <sub>2</sub> [35 lbs])	128-Page (60g/m <sub>2</sub> [35 lbs])	
Page Weight	35g/m <sub>2</sub> (25 lbs)	140g/m <sub>2</sub> (95 lbs)	
<b>Machine:</b>			
Operating Speed	80,000 Products/hour (Product Build Rate & Cycle Times Permitting)		
Input Power	208-230VAC, 1 or 3Ph @ 20 amps		
Air Requirement	20 scfm @ 90 psi (570 Norm-l/min)** 1/2" ID air hose required		
Noise Level	82 dB(A)		
Weight	1270kg (2800 lb)		
Paint Color	RAL 7011 (Iron Gray)		

\*Optional 5 inch minimum product kit available

\* Optional 2.64 gal. reserve air tank available

**High In Feed Model allows interface for newspaper/commercial operations**



Paper stream goes up to the stacker, with webs up to 80,000 iph



Paper stream from the web, which is flattened with pressure rollers to make a good stack. The antistatic is also applied here.

Also manufacturing...



**STITCH STAR**  
Saddle stitcher with feeder and online 3-knife trimmer



**Glory**  
Side gathering machine



**PDM MACHINE**  
Paper drilling machine



**THOM STAR** 3-knife trimmer



**DF2**  
Double head stitcher



**STITCH STAR**  
Newspaper Collator



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