

Automatic Rotary Knife Sheeter and Stacker System for Single Face Corrugated – Model S109D-57Q



The STOCK Model S109D-57Q has been designed and developed with a strong emphasis on combining the machine's direct drive technology with the highest quality standards available with our firm's highly-regarded German engineering expertise.

The STOCK S109D-57Q offers the capability to manufacture single face corrugated sheets where availability is scarce and provides the opportunity to offer expanded capabilities within this growing market.





Automatic single-face sheeter and stacker system with two rotary knife cylinders

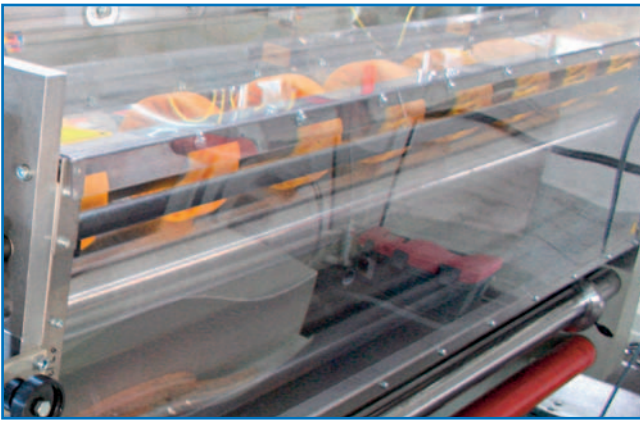
The sheeter takes a web of single-face corrugated, slits and trims it, cuts it, shingles and conveys the sheets to the automatic non-stop down-stacker for production of pallets of single-face corrugated sheets.

An economical method to produce single-face corrugated sheets from a web, i.e., for sheet-to-sheet laminating, etc.

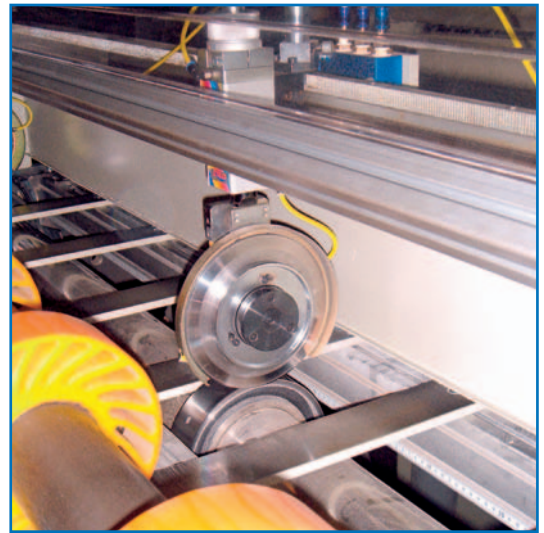
The sheeter was designed for cutting single face corrugated as well as solid board up to 500 gsm.

Special features include:

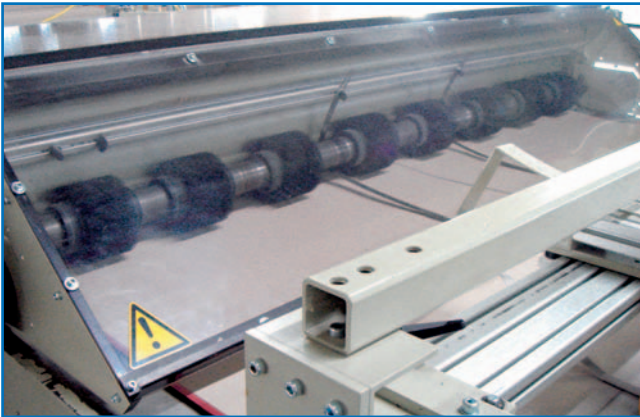
- high accuracy and speed, combined with ease of operation, minimum maintenance and quick installation.
- two rotary knife cylinders, direct driven. The servo drive is connected to the knife cylinder directly.
- helical cut-off knife system; easy and quick knife adjustments.
- knife set-up by microprocessor control eliminates waste and causes a high cutting accuracy.
- non-slip infeed of the single face corrugated web by vacuum belt feeding. Web drive by a separate A.C. drive.
- standard equipped with 3 slitting knives (pneumatic knife holders) for longitudinal shear cut.
- unwind unit (reel stand) model AR.D/..._2 for two single face corrugated reels. Different reel stands for different material are available – on request.
- manual sheet stacking system is available: shingling unit with simple delivery table for manual take-off.
- most advanced fully automatic sheet stacking system consisting of a shingling unit as well as an automatic non-stop down stacker for accurate sheet stacking to a pallet.
- automatic pallet inserter available as an option.
- the sheeter could be used for off-line (sheeting reels) as well as inline production.
- inline production: running the sheeter inline with a single facer (corrugator) a dancer roller system for synchronizing both machines is necessary.



Web feeding with side trim and center slitting system



Slitting knife (pneumatic knife holder)



Sheet acceleration unit with reject gate



Overlapping (shingling) station for preparing the single face corrugated sheets to be delivered to the automatic non-stop down-stacker suitable for two-up production – open flute up



Stacker-system

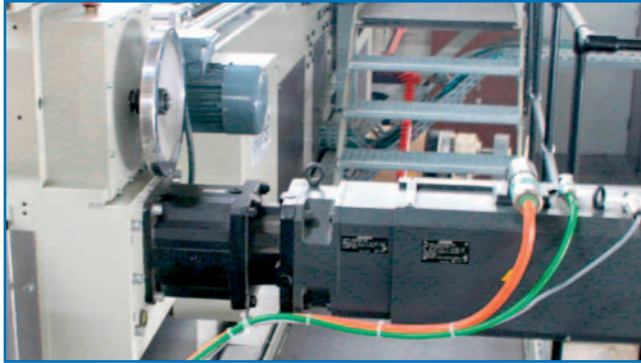


Stack (pile) of single face corrugated sheets



Down-stacker with non-stop operation and roller conveyor

Cutting Edge Technology for the Future



Direct drive motor connected to knife cylinder



Helical cut-off knife

Technical data

Maximum Reel / Web Width	1,500 mm (59") / 1,650 mm (65") / 1,820 mm (72") / 2,000 mm (78 ³ / ₄ ")
Cut-Off Accuracy	min. 500 mm; max. 1,650 mm (64"), 2,000 mm (78 ³ / ₄ ") auf Anfrage / on request
Cut-Off Accuracy	+/- 1.0 mm (0.04")
Maximum (Linear) Web Speed	150 meters / minute
Electrical Power Requirement	up to approx. 40 kW, 3x400 volts, 50 cycles
Material	single face corrugated board b-flute, e-flute, f-flute, g-flute, solid board on request up to 500 gsm

As a manufacturer of single face corrugated with the intent of supplying sheets to converters using single face laminators, the STOCK product line offers the most versatile solutions for your needs.

Our Products Include

- Sheet-to-Sheet Laminating Machines
- Reel-to-Sheet / Inline – Laminating Machines
- Spot Labeling Machines
- Rotary Sheeter and Stacker Systems
- Gluing and Special Machines



For more information on the STOCK product line, contact the firm's North American Agent, Young Shin USA Limited:

Young Shin USA Sales Department
1320 Tower Road, Suite 111
Schaumburg, IL 60173



Phone: 847.598.3611
Email: sales@youngshinusa.com
Website: www.youngshinusa.com