

# The Authority on Feeding

## Extend-O-Feed®

### Lead Edge Feeder

FEEDING

PRINTING

CONVERTING

SUPPORT

US and Canada: +1-410-472-2900    Europe, Middle East, Russia: +44-117-9401777    China: +86-20-2860-6593

Southeast Asia: +886-975-202-811

[SunAutomation.com](http://SunAutomation.com)

# Extend-O-Feed® Lead Edge Feeder

Extend-O-Feed has been used on more than 7,000 corrugated production lines in over 40 countries. In nearly three decades of product evolution we've brought hundreds of feeder applications to life; high-speed, heavy-duty, rotary die-cutters, flexo-folder gluers, printer-slotter, minis to jumbos, and even feeders for crossover substrates.

The patented extended stroke design and pioneering velocity profile allow the feeder to transfer the sheet well beyond the feed roll nip. This means accurate registration and reduced crush by the feed roll grip. The wheel pattern and vacuum system can handle warped sheets, thin flutes, and cross-corrugated sheets.



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## Benefits

- ▶ Superior accuracy
- ▶ Fewer jams and less downtime
- ▶ Increased sheet support and traction
- ▶ Even wheel tread wear
- ▶ Ability to run lower quality and/or warped board

## Features

- ▶ Maintenance-free transmission
- ▶ Vacuum control with a staggered wheel pattern
- ▶ Low friction metal grate runners
- ▶ 15-20 year life span

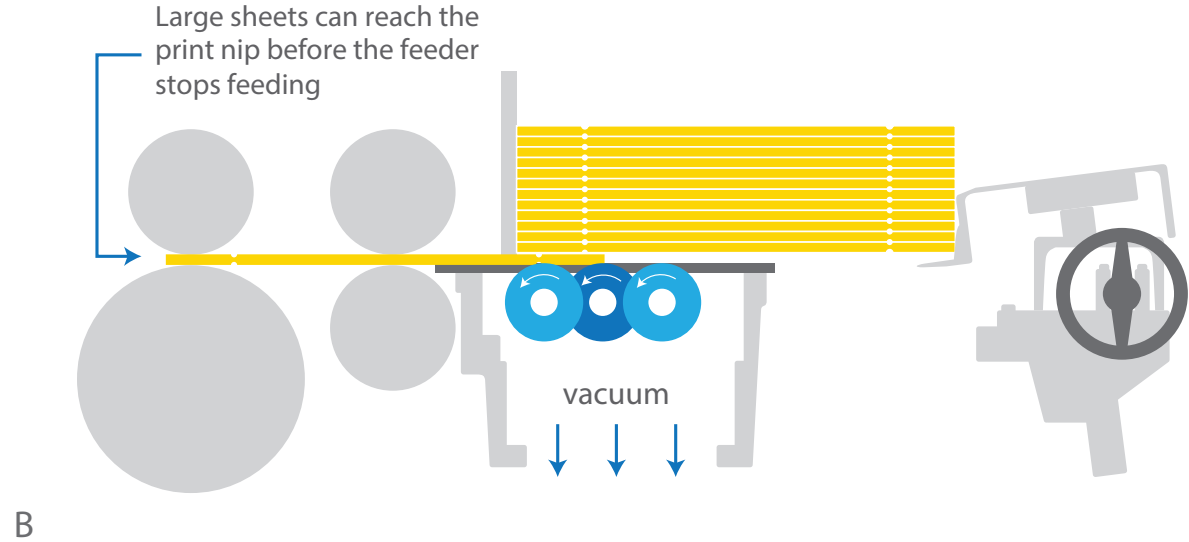
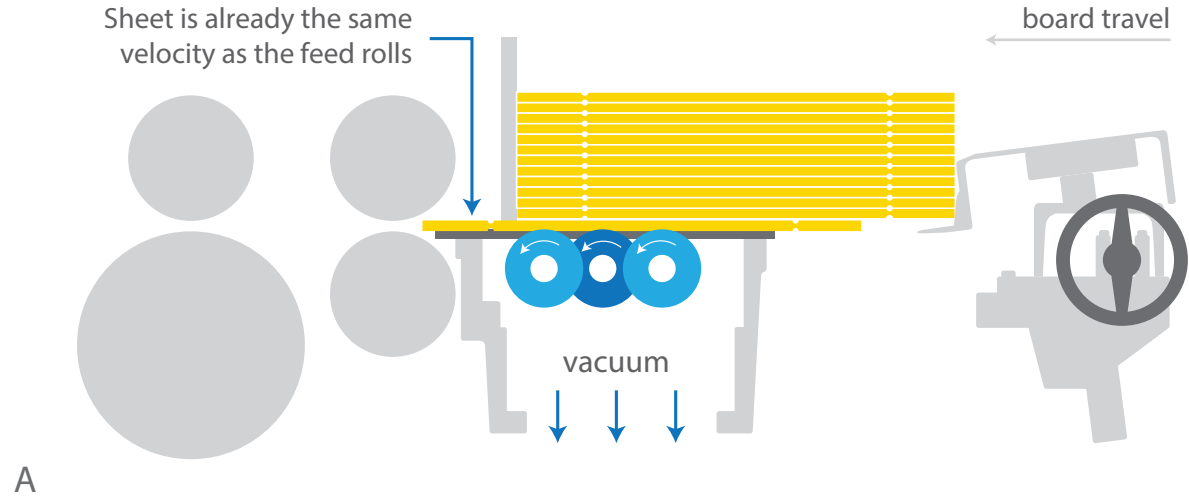
Extend-O-Feed is available for almost all manufacturers and can be retrofitted to your existing machines.



# Extend-O-Feed: How It Works

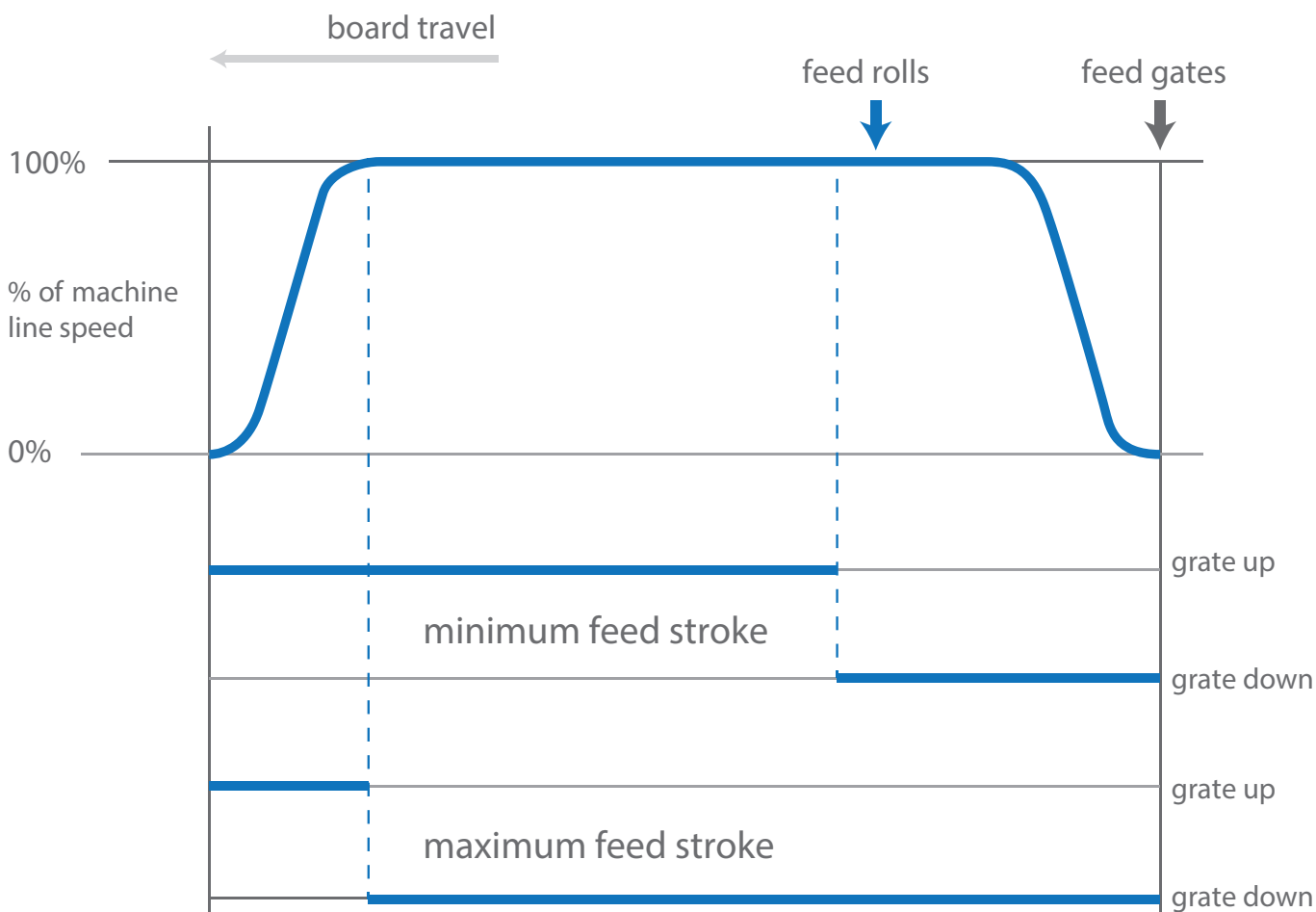
Extended stroke feeding means corrugator scores can be fed beyond the feed roll nip before the feeder stops feeding.

This means less feed roll crush and better accuracy.



The grate on Extend-O-Feed moves up and down. For superior performance, this movement is adjustable based on the sheet length and stroke setting, as set by the operator. When the grate lowers at the same point in each cycle, the wheels are stopped briefly.

For small sheets, the grate may only be down long enough to get the lead edge into the feed rolls. For long sheets, the grate can stay down until the lead edge is well beyond the first print nip.



# Feeder Options

## Available for All Feeders

- ▶ Motorized backstop in/out and up/down (below, left)
- ▶ Dust collector (right)
- ▶ Adjustable frequency drive

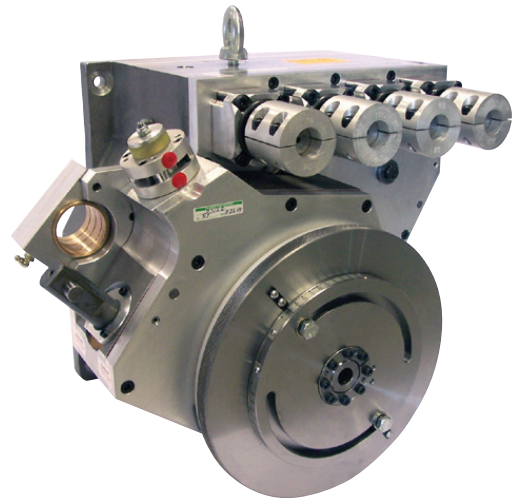
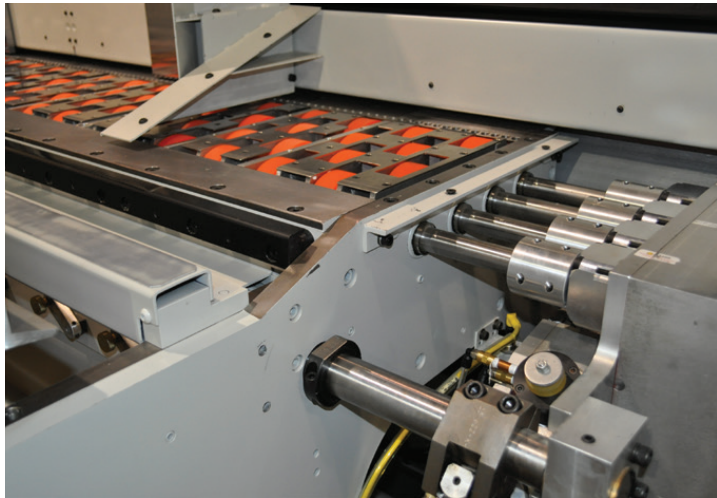


## Extend-O-Feed Options

- ▶ Double-up feed option
- ▶ Automated stroke adjustment

# Transmissions

SUN Automation's smooth, rugged feeder transmissions perform with extreme accuracy at all speeds. Its unique velocity profile provides a stable period of constant velocity, precisely matching the feed roll velocity. The reliability and consistency of our cam system provides the accuracy to accelerate sheets five, six or seven cycles per second.



Four (shown above) and three shaft transmissions are available.



# Changing the Standard

By working directly with corrugated converters and our global equipment partners (OEM customers) for three decades, we've adapted our technology to thousands of equipment models all over the globe.

## Reliability

With rugged transmissions and feeding surface, our feeders require minimal maintenance.

## Accuracy

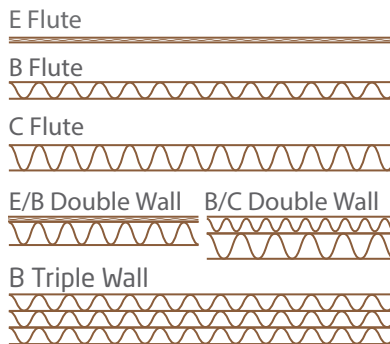
With precise and consistent acceleration, sheets move through the machine with extreme accuracy. Sheets are fed with proper registration, even at high speeds

## Fewer Jams

Through vacuum suction, even reasonably warped sheets move through the machines with ease.



Warped



Various Flute Sizes



Cross-Corrugated

## Precision and Performance

For high-speed flexo-folder-glue, feeding six sheets per second, feeders from SUN Automation Group® are preferred globally.







## About SUN Automation Group®

SUN Automation, headquartered near Baltimore, Maryland, is the world's leading manufacturer of corrugated box equipment. The company's innovative feeding, printing, and converting technologies enable comprehensive solutions for corrugated box plants to increase production efficiency and profitability. SUNAutomation places a strong emphasis on customer support and provides 24-hour on-site technical support globally. Founded in 1985, SUN Automation is 100% employee owned.

### Put innovation on your production floor.

Update your converting systems today:

- ▶ US and Canada: +1-410-472-2900
- ▶ Europe, Middle East, Russia: +44-117-9401777
- ▶ China: +86-20-2860-6593
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For more information, replacement parts  
or to request a quote, visit: [SunAutomation.com](http://SunAutomation.com)

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