

# MAGELLAN Boxmaker HD

Heavy-Duty, Performance, and Reliability

A Product Of



Builders Of Machinery For Industry Since 1981



## SPECIFICATIONS:

- Large Format For Short Run Manufacturing
- Easy Setup Without Tools
- Processes Single-Wall Through Triple-Wall Corrugated
- One Operator
  - + One Blank
  - + One Pass
  - = One Box!

## INSIDE THIS BROCHURE:

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[www.rjemachinery.com](http://www.rjemachinery.com)

RJE Machinery, Inc. is proud to present the Magellan HD Boxmaker. Designed specifically for the manufacture of large format heavy-duty corrugated cartons, the Magellan HD Boxmaker completes short runs of very large cartons easily.

The Magellan HD produces a complete box blank (including the glue tab) in a single pass using a single operator. This includes the flap scores, the body creases, the flap slots, and trimming both the left side and the end of the sheet, all in a single pass! In addition, the Magellan HD offers full width flexo printing (including two-color printing) and sheet stacking as available options.

The Magellan HD is capable of processing single wall, double wall, and triple wall corrugated simply by adjusting the machine. Sheets larger than the required box blank size can be fed into the machine to be trimmed during the process as well as sheets precut to the proper size before hand.

Set-up takes less than two minutes without tools. Setting up the optional flexographic printer and/or sheet stacker will add additional time depending on the box to be printed or stacked (Please see details on page two).

The Magellan HD Boxmaker will process corrugated paper 110" wide (All Magellan HD Boxmakers have unlimited length capability). In fact, all Magellan Boxmakers can accept fanfold corrugated to make boxes up to 1250 feet long.

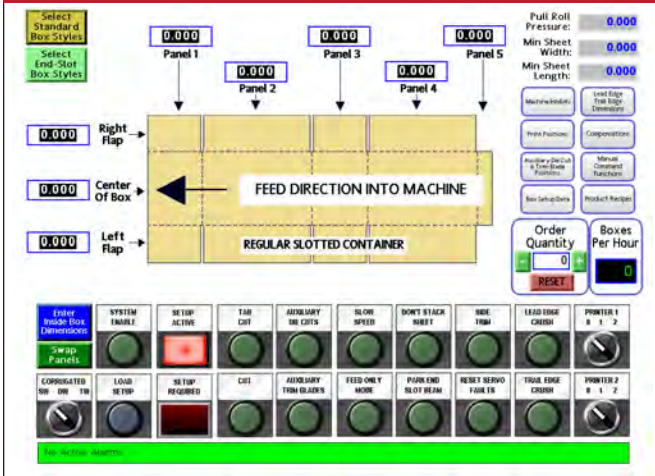
Page two contains a list of the styles the Magellan HD Boxmaker produces. Proprietary containers can be programmed into the control system as RJE writes the software code for the machine control.

All Magellan HD Machines feature electric servo motor control of sheet position, slot and score positioning and score pressure.

# Magellan

Boxmaker HD

# New Graphical Interface



With the advent of 2021, the Magellan HD Boxmaker has been given a face-lift. The new graphical interface graphically shows the style of carton to be made, and the graphical layout screen makes setting up the carton much easier than ever before.

Image: The operator view of the Standard Model Magellan Boxmaker HD.

## Standard Container Styles

- RSC: Regular Slotted Container
- RSC 2-Piece: Two Piece Regular Slotted Container
- FOL: Full Overlap Slotted Container
- FOL 2-Piece: Two Piece Full Overlap Slotted Container
- HSC: Half Slotted Container
- HSC-2: Two Piece Half Slotted Container
- FPF: Five Panel Folder
- Telescope: Full Telescope Design Style Box
- Tray Top: Design Style Tray Top
- Tray Bottom: Design Style Tray Bottom
- OSC: Overlap Slotted Container
- CSO: Center Special Overlap Slotted Container
- Center Seam FOL
- One Piece Folder (requires two passes)
- Pads
- Scored and Flanged Tubes\*
- Bulk Boxes\*
- Customer Containers (up to 10 panels)

\*Custom programming required.

## In Line Die Cutting

This is a new offering to allow hand holes and customer die cut shapes to be added to the cartons. The standard die cut area is 4" x 4", with an optional 12" x 12" die cut station released in 2013. The two die cut station may be mounted across the machine, and may be activated independently or in tandem. With the ability to fire each cutter ten times, this option allows flexibility not seen on prior versions of the Magellan HD Boxmaker.



**Massive, heavy-duty construction!**



**Magellan**  
Boxmaker HD



## The Importance Of The Tilt Head



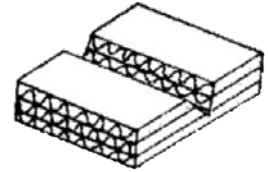
*This view shows the Tilt Head opened allowing the operator complete access to the inner workings of the machine.*

What is a Tilt Head? The Tilt Head is an RJE exclusive development. Due to the difficulty servicing the cutting area and the feed rollers of most boxmakers, RJE developed the Tilt Head to simplify the maintenance process. The complete upper assembly of the machine is tilted up via hydraulic cylinders, allowing the operator or plant maintenance complete, unimpeded access to the inside of the machine. In addition, the feed table rolls away on casters, making access even simpler. Knife changes, inspection, cleaning and feed roll replacement are incredibly easy.

As an added benefit, clearing paper jams couldn't be simpler. By engaging the Tilt Head, most paper jams can be removed by pulling the jam out of the machine. Gone are the days of digging out bits of scrap paper with a screwdriver and hammer. Even if paper were to build up in the machine, the easy access to the full area of the machine makes cleaning easy.

See why the Tilt Head makes the Magellan unlike any boxmaker on the market.

## V-Notch Cutting



Need to make long, v-notched triple wall sleeves? The Magellan HD Boxmaker makes it easy! With the new optional V-Notch Cutters, up to four v-notch cuts can be easily cut into the heaviest of triple wall sheets. Easily installed and aligned, the v-notch cutters offer yet another advantage for the short-run triple wall market.

**NEW!**

## Integrated Crush Head!

Our newest feature is an integrated crush head that crushes both the stitch flap AND the opposing panel with just the touch of a button. Selecting the crush for either the lead or trail edge (or both) during setup enables the crush beam to crush the box to make stitching triple wall board easier on your stitching machine.

*An Magellan Boxmaker, Servo-Flex Printer and Stacker in-line.*



**Magellan**  
Servo-Flex

In-Line Flexo Printing!

**Magellan**  
V-Stack

In-Line Vertical Drop Stacker!

# New Graphical User Interface

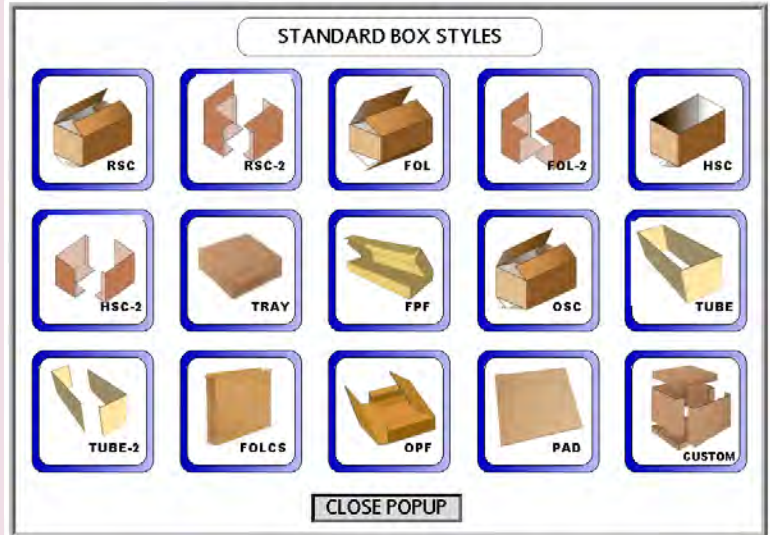
The Magellan HD Boxmaker now features Industrial PLC control of the operator interface functions. Formerly accomplished via an industrial computer, this new touchscreen interface allows for more intuitive control of the set-up process. Some of the features of the interface:

**New Graphics Data Entry** - Developed to be more intuitive for the operator, the new graphics show actual pictures of the cartons to be made, as well as unfolded carton diagrams for data entry.

**Touchscreen Interface** - Selection of set-up options, data entry, and most control features are as simple as touching the screen. A simple to understand graphical user interface allows the operator easy control of the machine.

**Data Retrieval** - Once the container data has been entered into the machine, it can be stored for later retrieval using the customer supplied part number.

**Alphanumeric Part Number Capability** - With the new control system, alphanumeric part numbers are now available. The retrieval engine automatically sorts the part numbers by alphabetical order and the search function makes finding that obscure part number simple!



The above image is a sample of the Style Selection Screen on the touch screen control for the Magellan Boxmaker, featuring graphical pictures of each of the styles that are pre-programmed in the boxmaker.

**Ethernet Capability** - All Magellan Boxmakers come with Ethernet hubs built in to make company intranet connection a breeze.

**Remote Diagnostics** - With the built-in Ethernet capability, all Magellan Boxmakers also offer remote diagnostics by our trained motion experts to keep the Magellan Boxmaker running smoothly without the delay of on-site programming service.



**SAG-4000**  
**SAG-6000**



## For Further Information



For a full view of our product line please visit our website: [www.rjemachinery.com](http://www.rjemachinery.com)

Or contact us at:

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