

Since 1985

DGM, manufactured in Huizhou, Guangdong, China, has been producing Folder Gluers for 35 years. DGM is a 2nd generation family business with over 5,000 machines sold worldwide. DGM Smartfold Folder Gluers are utilized in folding carton production as well as corrugated box manufacturing.

The folding carton manufacturing segment is serviced by several DGM models: the Classic, Ultra, Ultra X, Ultra XL and the Ultra Right Angle. Depending on your size, speed and capability needs, we have a machine for you.

In an effort to make you aware of the differences between our DGM machines and one of our competitors, Signature, we have put together this info sheet.

Makeready Features

With former Signature engineers on staff, we can confidently state that the makeready is much quicker on a DGM machine.

DGM uses sliding dovetails for the connections of tooling to the upper carriers. This is the same as Bobst. Signature uses clamps that bolt onto and around plate steel to connect their tooling to the upper carriers. This is a very weak connecting system which is much easier to bump and get out of position if a jam occurs.

DGM has a wireless remote for the operator to use for makeready and operation. It can be used from all areas of the Folder Gluer. Signature has a wired remote that runs along a track above the machine. It is tethered to a spring and the cord. The Signature wired remote is hard to use on the non-operator side of the machine hindering makeready.

At the end of the machine, the DGM compression section has all motorized movements; Signature movements are all manual movements resulting in slower adjustment times.

Machine Design

DGM has engineered features into their Folder Gluers that enhance quality and runnability of cartons. Here are a few highlights:

DGM can **feed more narrow cartons** much easier than Signature. The feeder belts can be positioned much closer due to opposing bearings on the middle belts. Signature's bearings are on the side of the belts. The DGM bogies wheels are directly behind the feeder chokes/knives as well. The DGM feeder has an additional belt giving more support, which gives consistency and control.

DGM offers **carton alignment**, on both sides, as standard equipment. The alignment segments are incorporated within the standard length of the machine.

Signature offers **carton alignment** as an option. This option adds a separate section and adds cost to the price of the machine.

The **drive system** on a DGM Folder Gluer is all servo motor drives. Servos are fully programmable, smooth and efficient. Signature utilizes AC inverter drives with gear boxes and a drive shaft, which is outdated technology.

DGM's **cross bars** for tooling are the most common in the industry, 30mm square steel bars. These bars - which are common, off-the-shelf - are used to for mounting tooling, gluing components, etc. Signature uses high density, nylon, non-standard 32mm bars that require custom tool mounting hardware.

DGM runs the upper and lower **carrier belts** on flat pulleys for truer, straighter tracking. Signature runs their belts on all crowned pulleys which are more prone to tracking offline with pressure changes.

The DGM line of Smartfold Folder Gluers is very innovative, offers the owner state of the art design, electronics, accuracy of end product, accuracy of components, durability, high productivity and ease of operation.

For quality assurance and a guarantee that the machine is built to the specification required by the customer, a representative of the importer and our partner, PPCTS, travels to the manufacturing facility to inspect each and every machine prior to delivery. With this effort, the DGM Smartfold Folder Gluer that is being delivered to the customer will install and begin producing for the customer as soon as it hits the floor.

DGM vs. Signature in Review:

- ✓ Faster makeready
- ✓ Far better carton alignment as standard equipment; Signature's is expensive, optional and a separate section.
- ✓ Servo drives are standard; Signature uses gear box and a line shaft.
- ✓ Wireless remote control from anywhere on the machine; Signature uses a wire-tethered remote.
- ✓ DGM can feed narrow cartons with ease because of a superior feeder design.



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