

# New poultry equipment introduced

FARMINGTON, Mich. — Diamond International Corporation, a major manufacturer of automated equipment for egg producers and processors, announces the availability of 13 new products for 1978.

Known the world over for its automated machines, the Diamond Corporation operates out of headquarters in Bremen, West Germany, and Farmington, Mich. The distributor for Pennsylvania is the E.M. Herr Equipment firm of Willow Street, Lancaster County.

The introduction of 13 new products in 1978 is the most ever in one year, say Diamond International officials. The new line includes seven new cage systems, which are part of the "Egg Maker Series." Producers may also choose from four feeding systems. Other new products include a plastic flats washer, spin dryer, plastic egg flats, packing machine, and a new PA-90 egg processing system.

The new PA-90 has a capacity of 32,400 eggs per hour. Eggs enter the system six side wide from an automated loader or Page Systems Orientor. They move gently on continuous spools through the washer, candling area and onto the grader. The PA-90 is compact, having a space requirement of just 22 feet by 31 feet.

Diamond International's new 35-case per hour Farm Packer features a low profile, being just 40 inches high. One man can pack eggs from 150,000 birds in just eight hours. The unit can be fed from across collection belt through an egg escalator.

The firm's new plastic flats washer cleans with high pressure cold water, which enables the operator to save energy. It automatically shuttles two flats at a time from either a Diamond System 90-or 140-case per hour loader into the wash chamber. The flats are washed top and bottom in a horizontal position, pass through a sanitizing spray rinse, tilted to a near vertical position, and pushed into a double set of stackers to drain. Water is recycled.

The companion unit to the new flats washer is the new Spindryer, which has a capacity of 150 to 170 plastic flats at a time. It'll take up to 60 loads per hour, according to the manufacturer. Centrifugal force does the job.

Diamond Automation is now also marketing Phillips plastic egg flats world-wide. The 30-egg flats are made out of translucent white plastic and are available with a one-half inch color identification band of a company name molded onto the plastic. Another feature is their configuration for fast, uniform cooling of eggs and space saving stacking.

The new cage system includes two, three, and four-high, floor supported and roof suspended fully automated layer systems, and single tier floor supported and roof suspended starter-grower systems.

Four types of feeding systems are compatible with the producer's choice of cage systems.

For producers who prefer

higher bird density with the reverse cage concept, Diamond Automation has developed new 4-tier modified stair step system. It features a big reverse cage with Contour front. Any of the four Diamond feeding systems can be used. No chute scrapers are used on the manure drying boards.

A single tier starter-grower cage system is available.

An all new cage design makes this system unique. The 24 in. wide by 35 in. deep cage is actually a cage within a cage. Chicks are started in the front part of

the cage. The mid-cage partition, which holds the chicks in the front part of the cage, is raised to form the top of the section. The birds then use the entire cage area to grow out. The labor of transferring birds to growing cages is eliminated. For pullet growers who want a suspended cage system, a cage design offers the same as the on the floor supported single tier system. A sturdy two-point suspension is used instead of the channel iron floor supports. Both systems use an adjustable cup watering system that fits in a notch in the front of the

cage. A Diamond flat chain feeder runs through the center of the cage.

The 3-deck "Egg Maker Series" eliminates manure chute scrapers and requires less electrical energy. It features the patented Keenco Contour Cage with 12 in., 15 in., or 24 in. width and a new 20 in. depth. Producers can select a flat chain feeder, a link chain feeder, the Keenco F-80 chain feeder, or the Feedsaver traveling hopper system with deep "V" trough. The producer has complete flexibility in the type of feeding, watering,

ventilation, lighting, and type of building he wants.

The 2-high layer cage system has features which are the same as in the 3-deck unit. The space saving modifier stair step configuration is very compact so it's ideal to increase bird density hen remodeling a narrow house with low ceilings. This is the first Keenco two tier cage system available with the Feedsaver system.

Another innovation is that for the first time a producer can combine the Lawler layer cage with the Diamond automatic feeding and egg

collection unit to have a fully automated, 2-tier, full airstair system. Cages are available in an assortment of sizes. Either the flat chain, link chain, or F-80 feeding system may be used.

The Egg Maker Series also offers a Lawler suspended 2-high layer unit. This system is similar to the new Lawler 2-tier floor supported system except it's suspended from the roof. A two-point suspension is used to provide more rigidity than is possible with the ordinary one-point suspension. The cage row is fully automated

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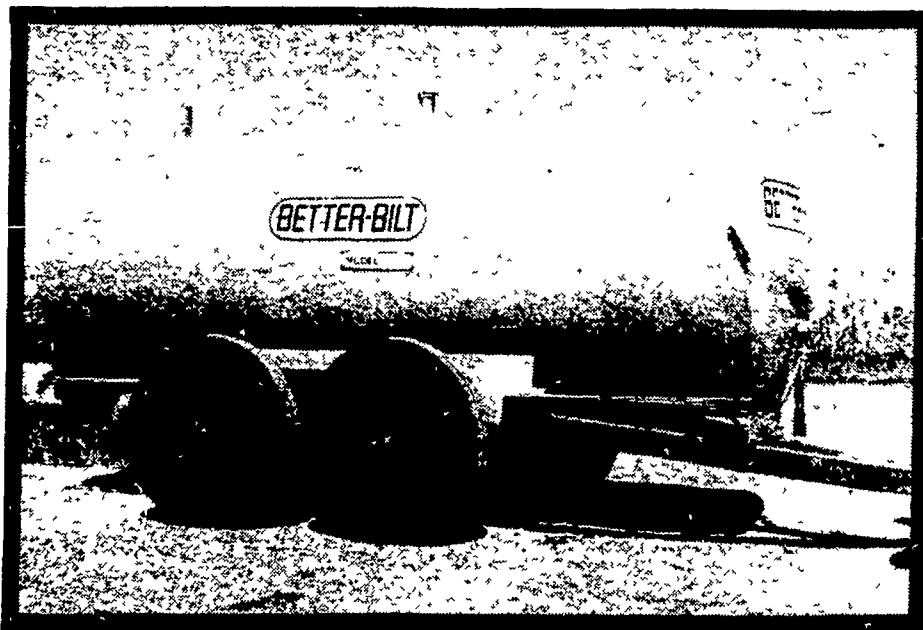


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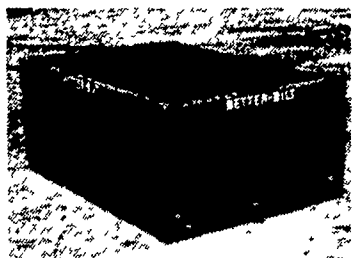


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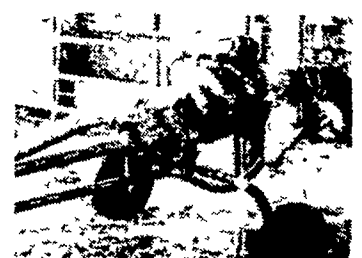
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