Diamond Systems combines its 70 years of experience with innovative new ideas to serve the egg industry. Knowledge of the industry, machine systems and services provide the partnership egg producers and processors need and appreciate.

Diamond will help design an egg grading operation for inline production units or an offline grading station. We can plan a well-organized flow of product and packaging material to maximize the efficiency of the grading, packaging, and storage of shell eggs. We can also design a products plant for further processed eggs. This can be integrated into the grading station or designed for a separate location.

Serving the industry since 1934, Diamond continues to be the leader in new innovative ideas, machine systems, training, and services. We will provide equipment designed to meet individual customer and egg market needs for any region of the world.

Machine models and configurations are available from 10,000 to 150,000 eggs per hour, from hand packing to total automation. Diamond graders are stainless steel and meet all government sanitary requirements. The entire system includes preloader-loaders, accumulators, plastic tray washers, egg washers and dryers. State-of-the-art crack, dirt, blood and leak detection is available along with the ability to reject and pack each second quality category. The new wash down electronic scales are standard on all Diamond graders. Automatic packing and automatic case packing are also available. All of this is from one company, with one integrated design, with one company responsibility: Diamond Systems.

An entire series of egg washers are also available that meet HACCP food safety requirements with an E-3A design, USDA approved. The washers maximize the safe, gentle and thorough cleaning of incoming eggs. Our software controls the flow and grading of eggs and is an important component in managing an efficient egg grading operation. Traceability software tracks each flock of eggs from the production unit to the consumer and back through the distribution to the point of origin. The Diamond software uses Windows XP™ operating system which makes it easy to network with other computers. Our Diamond RMS is a wireless Remote Management System to monitor the grading from a pocket PC.

The quality of the final egg pack and high standards in the industry are a direct result of Diamond’s innovative leadership. The egg grader’s machine efficiency, reliability, labor savings, and stainless steel construction, combined with the help that Diamond provides its customers confirms that our graders are the best investment.
Diamond Systems is the innovator of the most advanced egg loading, washing and packing machines in the industry. The creator of high capacity systems with all the options that have set the industry standards in machine speeds, features, and quality of finished product. Diamond has the highest resale value with their stainless steel, easy to clean design. We will help you design and build a new egg grading plant inline from production units or offline. Customer service with installations, plant personnel training, service schools, telephone help and prompt spare parts availability comes from employees who know, understand and want to help their customers and the industry throughout the world.

Diamond graders are modular in design; they can be expanded as a business grows.

**Diamond 2100**
Loads, washes, candles, weighs and packs 10,000 to 36,000 eggs per hour.

**Innova 200**
Grades and packs 36,000 to 72,000 eggs per hour directly from egg production or with automatic loading. The Innova is available with optional egg washing and full automatic candling.
Grades up to 145,000 eggs per hour with loading, washing, total automatic candling, packing and box and case packing. Advanced Windows XP™ software with optional dirt and crack rejection to farmpacker or directly into a Diamond egg breaker.
1. ACCUMULATOR
2. PRELOADER-LOADER
3. STUCK EGG CONVEYOR
4. PLASTIC TRAY WASHER
5. TRAY STACKER
6. DIAMOND EGG WASHER
7. DRYER
8. EGG OILER
9. CRACK DETECTOR
10. LEAK DETECTOR
11. LEAK REMOVAL
12. DIRT DETECTOR
13. COLOR SORTING
14. WASHDOWN EGG SCALES
15. BLOOD DETECTOR
16. DIRTY EGG RETURN
17. COMPUTER MODEM
18. JET INK PRINTER
19. CONVEYOR TO EGG BREAKER
20. REMOTE MANAGEMENT SYSTEM
21. 30 EGG TRAY STACKER
22. DENESTER
23. SIDE DATER
24. AIR CELL END ALIGNMENT
25. EGG PRINTER
26. CARTON CLOSER
27. RESERVOIR
28. CARTON CONVEYOR
29. MULTICASER™
30. CASE CONVEYOR
31. STAINLESS WIRE ROLLER CONVEYOR
32. UNDERGRADE PACKER

RMS
Wireless Remote Management System to monitor the performance of the grader from pocket PC sending information to maintenance and management personnel.

Message Center
The touch screen controls the grading operation. Traceability software tracks each flock of eggs. This allows customers to isolate egg quality. Special software is available to feed egg breakers. Modem service software helps to keep the system operating efficiently.

Servo Packer
Gentle, variable speed, servo packer with superior air cell end alignment, denesting, dating and carton closing.

Sanitary Rollers
Stainless spring rollers keep the incoming conveyor clean for unwashed egg markets.

Diamond Egg Washer
The standard in the industry with patented side to side brush motion and high water volume for gentle cleaning. Six different models are available. High velocity egg dryers and optional egg oiler.
**Destacker Loader** transfers 60 eggs at a time from paper or plastic trays onto the infeed roller conveyor up to 72,000 eggs per hour.

**PreLoader-Loader** transfers 120 eggs with spreading heads onto infeed rollers up to 400 cases per hour. Designed for optional inline-off line configurations.

**Plastic Tray Washer**. Inline plastic tray washer and stacker is fed directly from the Diamond loader up to 400 cases per hour.

**Plastic Tray Washer/Dryer** washes and dries 2,000 trays per hour as a separate operation.

**Eggspress Parts Store** offers parts ordering online 24 hours a day, with over 10,000 parts available at www.diamondeggspress.com. Part numbers, pictures and descriptions are all available. The store offers order review, tracking and confirmation for fast, efficient delivery to all of its customers.

**Diamond Systems** has been the innovator of the most advanced egg graders in the industry. The options have set the standards in machine speeds, features, and quality of the finished product. We have the best customer service, plant personnel training, service schools, prompt telephone help and spare parts. It all comes from employees who know, understand and want to help their customers and the industry.

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**visit us on the web:** [www.diamondsystem.com](http://www.diamondsystem.com)