

Cornerless Spreader/Feeders for Large Items

CHICAGO®



# King Edge CT Series

**NEW!**



KING EDGE VAC  
**TURBO**

## Introducing **TURBO** King Edge Vac—The Newest, Fastest, and Most Flexible Member of the King Edge Family

Chicago's **King Edge** CT Series offers a patented cornerless two-target system that allows two operators to feed sheets at a very rapid rate using an ergonomically correct method. King series models are versatile performers for a wide variety of laundry applications processing large quantities of king, queen or standard size sheets and other large items such as table linen for both hospitality and healthcare. Additionally, the ability to quickly and easily switch to processing small pieces, if needed, throughout the day can be accomplished with the small piece bypass system. **King Edge Vac** features a newly designed streamlined vacuum laydown to offer outstanding finished linen quality on higher thread count linen and other items. And now, building upon the popularity of Chicago's King Edge Series, Chicago introduces the next generation of large piece feeding: the **TURBO** King Edge Vac—America's Fastest Premium Cornerless Spreader Feeder.

The use of the CHI•Touch PC based control system makes all King Edge CT models the most advanced electronically-controlled spreader/feeders available, yet simple enough for operators and maintenance staff to understand. Its design features a common-sense layout and excellent service access to all of its upgraded high quality heavy-duty components.

The patented King Edge Series offers all the ergonomic and labor saving advantages of the “original” Edge cornerless spreader/feeder, with many added speed and convenience features for maximum efficiency high speed processing.

\* Highlighted features are standard on all models, while available only as costly options, if at all, from other manufacturers.

### ADVANCED CONTROL TECHNOLOGY

\* CHI•Touch PC based full color large 12” (307mm) touch screen control system for simple operation, clear display of management data, complete diagnostics and self-test functions

Created by Chicago’s in-house design, mechanical and software experts who have consistently created innovative feeding, ironing, and folding technological solutions to keep these U.S. made products at the forefront of the industry

### CORNERLESS FEATURES

\* True cornerless spreader/feeder technology – no manual corner finding or clipping required

Convenient and ergonomically correct loading height for operators

Eliminates one or more FTE’s compared to clip or “one corner” feeders with increased finished Production Per Operator Hour

### KING EDGE FEATURES

\* Loading stations continual queing is paced for high production and operator consistency/pacing

\* Modified discharge angle and transition to better accommodate heavy items

\* Small piece bypass conveyor pneumatically raises into position to accommodate pillowcases, napkins, and other small pieces without moving the position of the feeder or its discharge conveyor. Bypass also assists with routine preventive maintenance program of the ironer by allowing a waxing cloth to be fed directly to the ironer.

Popular 120” (3050mm) and 136” (3500mm) usable width models available to accommodate most large or extra large items (Other widths such as 130” (3300mm) available. Consult factory.)

Two-target system allows operators more flexibility when feeding larger items with items fed by each operator stored in memory

Automatic advancement of linen to upper spreading platform allows extended operator viewing time of items for stain/tear grading

Automatic linen flow sequencing does not require operator activation

Full length fluorescent linen inspection light illuminates spread items for quality control

Auto reject for misfed linen

Variable speed range of 30 to 150 FPM

### KING EDGE VAC - ADVANCED VACUUM AND WRINKLE CONTROL FEATURES

\* Upgraded powerful dual blowers with baffled vacuum and airfoil create a flat and straight laydown of linen into the ironer

\* Pneumatically applied linen support brackets help to firmly hold difficult large items, such as heavy 100% cotton or Fretté sheets and tablecloths

\* Trailing smoothing brushes eliminate wrinkles before linen enters the ironer



# Large Piece Cornerless Feeding: Now Faster. Tougher. Smarter.



To kick off its next decade of industry dominance, King Edge models continue to evolve to meet the industry's increasing need for quality, speed and reliability. Along with all of the great features listed on the previous page, King Edge models have also been updated with newly developed quality and durability features, including:

- Overall MAP (Maintenance Access Points) widened for easier maintenance access to key components, including drive mechanism. Electronics within each end frame have also been consolidated into a single compact panel.
- Upgraded clamps, brake motor, and rail loading. New clamp design holds items with gentle care. A sturdy brake motor assures a stable and locked position of the assembly along the rail.
- Continuous bypass ribbons allow simpler linen transition for smoother linen flow.
- Photosensors are installed within a single block for easier access and high end reliability.
- New heavy duty modular e-chain at spread clamps to allow individual links to be easily replaced.
- Updated retroreflective inlet sensor detects dark material better than ever.
- Transfer rail bearing proximity sensors enhance processing control.
- Modified finger guides at the front of the bypass conveyor improve ribbon tracking.
- Barrier brushes at vacuum box inlet protect against jams.

# TURBO King Edge Vac

KING EDGE VAC  
**TURBO**

## America's Fastest Premium Cornerless Spreader Feeder

For luxury linen applications where higher throughput, linen quality, and minimization of labor all intersect, Chicago has the answer - **TURBO** King Edge Vac. Designed to meet these requirements while maintaining the rugged reliability necessary to meet the demanding needs of today's high volume/quality laundries, **TURBO** King Edge Vac includes numerous enhancements.

- **New Electronic Anti-Jam Technology** - If a potential jam is detected at linen inlet point, the **TURBO** King Edge Vac will employ anti-jam technology to pulse the inlet "nose" in and out to assist in clearing the jam, allowing the piece to continue to advance. Significantly improves throughput by reducing downtime due to jams or misfeeds.
- **Large Piece Spreading Servo Motors** - Lightning fast CHI•Touch controlled servo motors allow a faster advance and almost instantaneous deceleration for accurate positioning of spread items. Faster cushioned spreading means higher production.
- **Low profile spreader belts** treat both the body and trailing edge of large pieces using a low profile cylinder underneath the inner belt that retracts to allow linen to easily advance between the belts, then opens to provide the proper belt-to-linen contact for optimum spreading and treating of linen.
- **Gapbuster™ Linen Flow Accelerator** - This exclusive Chicago feature senses the distance between fed sheets and accelerates the exit conveyor as needed to reduce the gap even more. This increases the number of pieces that can be processed through the system and helps keep the ironer fully covered.
- **Rotating Exit Conveyor Smoothing Brushes (Optional)** - A rotating smoothing brush assembly raises to allow the leading edge of large pieces to pass through unimpeded and then lowers to laterally smooth and further spread linen while providing back tension as linen moves into the ironer.
- **Reject Conveyor with Conveyor Advance Button (Optional)** - For applications where the machine will be dedicated only for large pieces and a bypass conveyor is not necessary, the **TURBO** King Edge Vac can include an optional reject conveyor below the spreader area to remove any drops caused by operator misfeeds. By removing drops, the spreading of the following pieces are not impeded and higher throughput results.



Bypass Conveyor In Raised Position For Use



Rear View of Exit and Optional Bypass, Brushes and Optional Lifting Cylinder

- Exit Conveyor pneumatic lifting cylinders
- Available with optional small piece bypass conveyor as seen on the King Edge and King Edge Vac models.

Visit Chicago's website [www.chidry.com](http://www.chidry.com) for easy access to our latest floorplans, technical specifications, etc.

### A Complete Range of Separating, Feeding, Ironing, Folding, and Sorting Options

Because Chicago specializes only in flatwork finishing equipment, it can offer the world's widest range of high production separating, feeding, ironing, folding and sorting equipment. Complete flatwork finishing systems range from automated multi-roll systems producing over 2000 pounds per hour, to compact ironers for small on-premise laundries.

Chicago's performance record is unmatched in thousands of installations in commercial, hospitality, health care, textile rental, and institutional laundries. An experienced Chicago professional will be pleased to make an objective equipment recommendation based on

your production, space, utility and budget requirements. All equipment is designed and built in Chicago for complete quality control and prompt service and parts availability, including overnight delivery if necessary.

Contact your local Chicago distributor or the factory sales assistance office for a no-obligation analysis of your needs. Visit our newly redesigned and now mobile friendly website [www.chidry.com](http://www.chidry.com) for easy access to current product brochures, detailed floor plans, and specifications, as well as videos of select Chicago products in action.



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