

SANDERS • EDGERS • GLASS WASHERS • CUTTING TABLES • DRILLING MACHINES LAMINATING LINES • CUSTOM CONVEYOR LINES • MIRROR PRODUCTION LINES

REDUCE PRODUCTION TIME, LABOR AND MATERIAL COSTS WHILE YOU INCREASE QUALITY AND GROW YOUR BUSINESS

## ABRASIVE BELT SANDERS

CRL Glass Machinery craftsmen with an average 25 years experience, fabricate and assemble the full line of CRL Abrasive Belt Sanders the same way it's been done since 1935. The new generation of Upright Abrasive Belt Sanders is the product of continued refinement featuring improvements in safety and efficient operation. The Sanders are offered in 4 sizes: 4" x 64" (102 x 1626 mm) bench top portable model, 4" x 106" (102 x 2692 mm) upright sander with rust proof tank and Quick-change belt system, Heavy Duty 4" x 132" (102 x 3353 mm), and the new quiet running Twin Belt Seamer with two belts and wet or dry capability. These trouble free machines are backed by the CRL Glass Machinery Parts and Service Department and destined to be the last Upright Abrasive Belt Sander you will ever need.



## 4" X 106" **UPRIGHT SANDER**

- Most Popular Model
- Solenoid Activated Water Valve
- Rugged Design is Great for Small or Large Shops

#### Cat. No. 2200RP

- **★ MANUFACTURED IN THE USA BY C.R. LAURENCE** An IS09001:2008 Certified Company
  - 4" x 106" Horizontal Sander also available

Cat. No. H82

## "ONE-MAN" **GLASS TABLE**

- Retractable Ball Casters Allow Easy Glass Rotation
- Universal Design Fits All Upright Sanders

Cat. No. 3LTRT





## 4" X 132" **HD UPRIGHT SANDER**

- · Heavy Weight Design for Continuous Grinding, Smoothing, and Polishing
- All Steel Tank and Frame
- Perfect for High-Volume Production

#### Cat. No. BM132RP

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## 4" X 106" DBS TWIN **BELT SEAMER**

- Optional Dust Collector Unit (Cat. No. DBS1DC)
- Easier Belt Change
- Direct Drive

Cat. No. DBS106 - Dry Cat. No. DBS106W - Wet

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Caster Table Makes Seaming Easy Cat. No. BCT50X98



## 4" X 64" **BENCH SANDER**

- Self-Contained Water Source
- Standard With Flat Platen
- · Portable Design Lets You Take it to the Job Site

Cat. No. BM64B

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## **GLASS EDGING EQUIPMENT**

CRL Glass Machinery edgers allow you to reduce materials and labor needed to produce quality edgework. You'll find a wide selection of peripheral and cup wheel diamond ground edging machinery. Configurations range from the 110V AC self-installed single-spindle VE1P Edger to the eight-spindle VFE8C. Each configuration offers a different set of production styles and parameters. The peripheral wheel edgers (VE1P, VE1, VE2PLUS2, and the VE4) can produce pencil, flat, seam and miter edges. The VE4 Edger is also capable of Ogee and Waterfall profiles on up to 1" (25 mm) glass. All other peripherals are capable of running 1/8" to 1/2" (3.2 to 12 mm) thick glass.

The CRL Glass Machinery SM5C Cup Wheel Edger performs flat and seam edgework only. The VE4PLUS1 is a unique hybrid machine incorporating a cup wheel to cross polish a peripheral wheel ground edge. This machine, with it's high luster cerium oxide option, produces sparkling clear edgework on every profile, from 1/8" to 1" (3.2 to 25 mm).



# ONE SPINDLE VERTICAL EDGER

- 110 Volt AC
- Easy to Install
- Edges Glass Up to 66" (1676 mm) per Minute

## Cat. No. VE1P

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An ISO9001:2008 Certified Company



# HEAVY DUTY ONE SPINDLE VERTICAL EDGER

- Heavy-Duty Construction
- Easy to Set Up and Run
- Edges Glass Up to 100" (2540 mm) per Minute

#### Cat. No. VEA1

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# TWO SPINDLE VERTICAL EDGER

- Two Wheels Per Spindle
- Edges Glass Up to 100" (2540 mm) Per Minute

#### Cat. No. VE2PLUS2

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# FOUR SPINDLE VERTICAL EDGER

- World Class Speed: Up to 376" (9.55 m) Per Minute
- Two Wheels Per Spindle

#### Cat. No. VE4

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# FIVE SPINDLE VERTICAL EDGER

- World Class Speed: Up to 376" (9.55 m) Per Minute
- Produces High Clarity Finish Edges

#### Cat. No. VE4PLUS1

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# FIVE SPINDLE VERTICAL EDGER

- Cup Wheels Process 1/8" to 3/4" (3.2 to 19 mm) Glass Thickness Range
- Produces a High Clarity Flat Edge

3

Cat. No. SM5C

	PERIPHERAL	CUP	INCHES/MIN.	GLASS THICKNESS	CERIUM	FLAT & SEAM	PENCIL	MITER	WATERFALL/OGEE
VE1P	✓		66	1/2" (12 mm)		✓	✓	$\checkmark$	
VEA1	✓		100	1/2" (12 mm)		✓	✓	$\checkmark$	
VE2PLUS2	✓		100	1/2" (12 mm)		✓	✓	$\checkmark$	
VE4	✓		376	1" (25 mm)	√(Optinal)	✓	✓	$\checkmark$	✓
VE4PLUS1	✓	<b>✓</b>	376	1" (25 mm)	✓	✓	✓	$\checkmark$	✓
SM5C	✓	<b>✓</b>	120	1/2" (12 mm)	✓ (On Flat Only)	✓			

## **GLASS DRILLING EQUIPMENT**

CRL Glass Machinery has a long and storied history of providing the most popular Glass Drilling Machines in the glass industry. Available in sizes from the Portable Glass Drilling Machines to our innovative Vertical Two-Sided Production Glass Drilling Machines. This unique Vertical Machine design saves you valuable floor space compared to traditional horizontal Two-Sided Drills. Additionally, all CRL Drilling Machines operate on standard residential type power for use in any location. To support your fabrication needs C.R. Laurence has a Centralized Stocking Program that gets your Glass Drill tooling to you when you need it.



## **VERTICAL DRILL**

- Motorized Rack for Vertical Glass Movement
- Digital Readout for Vertical Registration Allows Easy, Repeatable Drilling
- 110V AC for Quick Set-Up.
- Uses X and Y Coordinates -No Need to Mark Glass
- 1/8" to 1-1/4" (31 mm) Glass Thickness
- Drill Holes Up to 5-1/2" (140 mm) in Diameter

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## **PORTABLE DRILL**

- 1/8" to 3/4" (19 mm) Glass Thickness
- Almost No Adjustments Necessary
- Built-In Water Coolant Chuck
- Drill Holes Up to 4" (102 mm) in Diameter

Cat. No. AMZ1



### **PORTABLE DRILL**

- 1/8" to 3/4" (19 mm) Glass Thickness
- Almost No Adjustments Necessary
- Variable Speed
- Drill Holes Up to 6" (152 mm) in Diameter

Cat. No. CRL2

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### MOST ITEMS AVAILABLE FOR PURCHASE OR LEASE

## **GLASS WASHING EQUIPMENT**

Consistently clean glass to control your product quality. CRL Glass Machinery has been producing quality Glass Washing Equipment for over 70 years. Now the full line includes standard Horizontal Washers with capacities of up to six brushes and 120" (3.05 m) glass width, four-brush Vertical Open Top Washers with capacities of up to 120" (3.05 m) glass height, and Vertical Closed Top Washers with up to six brushes and capable of up to 118" (3 m) glass height.

CRL Glass Washers have been incorporated into every conceivable glass fabricating scenario: tempering, laminating, mirror silvering, insulating glass, art framing, and window manufacturing.





## **36" TILT TOP WASHER**

- Available in 4 or 6 Brush Models
- Tilt Top Design for Easy Maintenance
- Heated Detergent Circulation
- Recirculating Miser Rinse

#### Cat. No. TTW36

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# 60" OPEN TOP VERTICAL HEAVY-DUTY WASHER

- SS to 3/4" (19 mm) Glass Thickness
- Almost No Adjustments Necessary
- Includes Low-E Brushes

#### Cat. No. VHDW60

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# 70" CLOSED TOP VERTICAL WASHER

- SS to 1/2" (12 mm) Glass Thickness
- Almost No Adjustments Necessary
- Lighted Out-Going Conveyor

Cat. No. SM70V



## TILT TIP HEAVY-DUTY 60" VERTICAL WASHER

- Heavy-Duty Model for Pre-Temperable and Coated Glass
- Tilt Top Design
- Zero Water Loss Pre-Rinse

### Cat. No. HDTTW606

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### 96" TILT TOP WASHER

- Improved Corrosion Resistance
- New Air Blast System With Fast Speeds

Cat. No. TTW966

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## **GLASS HANDLING EQUIPMENT**

C.R. Laurence carries a large selection of glass handling and storage equipment. These new items will become some of your favorite On-The-Job tools. These machines help you do the job right and save loading and unloading time. The RGM1 allows one person to unload glass lites from your truck and transport them into position on the job site. The GTO2 Glasstrax Glass Dolly helps move glass lites by clamping the glass automatically and allowing one person to move the glass on the 10" (254 mm) pneumatic tires. The CRL Woods Powr-Grip® DC Vacuum Lift Frame rotates 180° and tilts 90° for versatile glass handling. Both Vacuum Cup Work Stands are perfect for shops where glass or windows are held in position for production.



## **ROLLING GLASS MANIPULATOR**

- Perfect for One Person Glass Transport and Installation
- Rotates Lites Up To 96" (5.18 m) Long
- Assembles in Minutes
- Unloads Glass Truck Racks and "A" Frames

Cat. No. RGM1





## **WOODS POWR-GRIP® 700 LB. CAPACITY** ROTATOR/LIFTER

- Three Configurations, All from the Same Unit
- Full 360 Degree Rotation with Tilt From Any Position
- Cord-Free Operation with On-Board Gel Cell Battery
- Weekly Rental or Lease to Purchase Plans Available

Cat. No. MRT411LDC





## **GLASSTRAX GLASS DOLLY**

- Safe Glass Transport with Large 600 Lbs. (272 kg) Capacity
- One Person Can Load and Maneuver

Cat. No. GT02



## **DC VACUUM FRAME**

- Big 11" (279 mm) Diameter Vacuum Pads
- 180 Degree Edgewise Rotation.
- 90 Degree Tilt
- Operates on 12V AC
- Weekly Rental or Purchase

Cat. No. P11104DC



## **TABLE MOUNT WORK STAND**

- 360 Degree Rotation
- Safely Handles Work Loads to 150 Lbs. (68 kg)
- 115V AC Pump Operation
- Table Mount Clamp

Cat. No. POSB1P9AC



## **FLOOR MOUNT WORK STAND**

- 360 Degree Rotation
- Safely Handles Work Loads to 150 Lbs. (68 kg)
- 115V AC Pump Operation

Cat. No. POSF1P9AC

## **GLASS HANDLING EQUIPMENT AND CASTER TABLES**

CRL Glass Machinery produces a full line of glass handling equipment for moving and installing large glass lites in residential and commercial buildings. The R0W40 and R0W60 vacuum frames hold vacuum cups and will make moving large glass lites safe and easy and require less personnel. R0W40T and R0W60T frames have a tilt feature that makes them even more versatile. Combine these vacuum cup frames with the CRL ROW1 Hydraulic Boom Manipulator and handling large pieces of glass becomes simple, safe and much faster. CRL Glass Machinery offers a wide range of Ball Caster Transport Tables, both horizontal and pneumatic tilt versions, to fit your shop requirements. The tilting ball caster table has the added benifit of lifting glass from horizontal to vertical for loading.



- Frame Rotates Around Lifting Arm
- Capacity: 500 Lbs. (227 kg)

#### Cat. No. ROW40

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 ROW40T Tilts and Rotates

Cat. No. ROW40T



- Holds 6 Vacuum Cups
- Frame Rotates Around Lifting Arm
- Capacity: 700 Lbs. (317 kg)

#### Cat. No. ROW60

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 ROW60T Tilts and Rotates

Cat. No. ROW60T



- Portable HD Lifter for Vacuum Frames
- Optional Electric Winches
- Capacity: 1000 Lbs. (453 kg)

#### Cat. No. ROW1

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- - Step in Notch
  - Adjustable Height

Cat. No. BC1NPT84X156

- Non-Marking Ball Casters on 6" or 12" Centers
- Custom Sizes Available
- Adjustable Height
- Standard Sizes Available: 84" x 60" (2.13 x 1.52 m) 84" x 84" (2.13 x 2.13 m) 84" x 120" (2.13 x 3.05 m) \*84" x 156" (2.13 x 3.96 m) 84" x 168" (2.13 x 4.27 m) 84" x 192" (2.13 x 4.88 m)

- \*Cat. No. BCT84X156
- **★ MANUFACTURED IN THE USA BY C.R. LAURENCE**

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**TILT TABLE** 

- Non-Marking Ball Casters
- Pneumatic Tilt Table
- Retractable Roller Toes
- Five Sizes Available

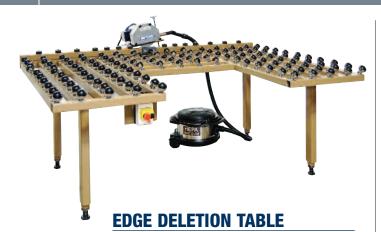
Cat. No. PBCTT84X120 (shown)

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MOST ITEMS AVAILABLE FOR PURCHASE OR LEASE

## **INSULATING GLASS EQUIPMENT**

C. R. Laurence has all the equipment you will need to produce Insulating Glass windows from one unit to hundreds a day. Any glass shop can be set up to produce individual IG units for repairs or small runs. Let us custom configure a production solution for your needs. The Hot Melt Clamp Table allows you to make IG units easily without technical experience. The three Hot Melt dispensing machines featured below make it easy for you to choose the unit that will help you to keep up with production or expand for higher work loads. There's even a 110V AC model. Desiccant Fillers are an important part of IG unit production. The EDFM filling machine will keep you ahead of production.



- Fast, Safe Low-E Edge Deletion
- Quiet Certified HEPA Filter Vacuum
- Non-Marking Ball Casters Allow Easy Processing

Cat. No. EDT60X84

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## **HOT MELT CLAMP TABLE**

- Clamp Units Up to 4" (102 mm) Thick
- Aids in the Assembly of Insulating Glass Units
- Uses Compressed Air for Clamping
- Roller Ball Casters Provide Easy Material Positioning

Cat. No. HMCST

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## **DESICCANT FILLING MACHINE**

- 12 Gallon (45.4 L) Storage Container
- Fills Up to 35 Spacers at Once
- Adjustable Working Height

Cat. No. EDFM



## **HOT MELT DISPENSING SYSTEM**

- For Heating and Dispensing CRL30703, CRL30706 Hot Melt Butyl in Chip, Chunk, or Slug Form
- Adjustable Temperature Control

Cat. No. ATX11



## **MINI HOT MELT DISPENSING SYSTEM**

- Fast Heat-Up Time; 200°F to 400°F Operating Range
- Dispense CRL30703 Chunk or Chip Form Butvl

Cat. No. ATXM1



# HOT MELT BUTYL SYSTEM

- An Economical Machine for Insulating Glass Fabrication
- Dispenses CRL30703 Hot Meİt Butyl
- Operates on 110V AC

Cat. No. SS96

## **INSULATING GLASS EQUIPMENT**

C.R. Laurence has a large variety of Insulating Glass production tools that are perfect for the large or small glass shops. Spacer and muntin bar will need to be processed and the tools below will help you make that work easy. The equipment shown on these pages is primarily intended for a medium sized glass shop that makes several IG units per day, but this equipment can also be used to grow a new segment of a smaller shop expanding to include IG unit replacement. Most equipment is not high voltage or complicated and can be used manually. Whether your glass shop makes 25 IG units per day or only one, CRL can help you make the most of your investment in IG equipment and expand your capabilities. Give C. R. Laurence a call and find out how you can improve your IG production.



## **MUNTIN BAR BENDER**

- For Fabricating Curved Insulating Mountings
- Each Unit is Custom Made By CRL
- Includes One Set of Dies

#### Cat. No. MMBD1

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## **DELUXE SPACER BENDER**

- Can Be Made to Accommodate Almost Any Size Spacer Bar
- Custom Manufactured by CRL

#### Cat. No. DSBD1

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## **AIR POWERED MUNTIN NOTCHER**

- For Fast Notching of Muntin Bars
- Excellent for Production Work

Cat. No. APMN1



### **MUNTIN BAR ROUTER**

- Made Especially to Cut Notches in Muntin Bar Prior to Fabrication
- Air Operated Hold Down Clamp

Cat. No. MBR1



## **AIR POWERED MUNTIN KEEPER PUNCH**

- Accommodates 3/16" (4.8 mm) to 7/8" (22 mm) Aluminum Spacers
- For Single or Two-Prong Muntin Bar Clips

Cat. No. MBKP1



## **MANUAL MUNTIN BAR NOTCHER**

- Precision Machined
- Each Precision Machined Unit is Made to Customer's Specifications
- Interchangeable Dies

#### Cat. No. MMBN1

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- · Rotary IG Unit Sealing up to 5' x 7' (1.52 x 2.13 m)
- Easy Foot Controls
- Vacuum Top
- Requires Only Compressed Air, No Electrical Power
- Brake Holds Rotary Top in any Position

Cat. No. LCS3084

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### MOST ITEMS AVAILABLE FOR PURCHASE OR LEASE

## AUTOMATED CONVEYORIZED EQUIPMENT

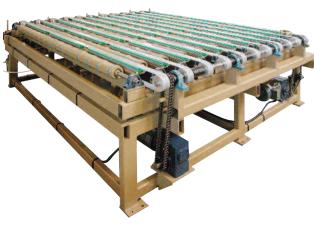
Specialized Conveyor Equipment just comes with the territory when you manufacture mirrors, insulating glass or laminated glass. From small in-line oven conveyors to transfer components that keep a line running smoothly, even around corners, CRL Glass Machinery has the experience to design and build a single component that will compliment an entire conveyor line. The efficient design of individual components keeps us up to date with the needs of our customers. As your production needs change, we can build solutions to meet those needs. High speed conveyors and multi-directional sections, horizontal, vertical or both, can reduce production time and increase efficiency immediately. Let us know what you want your line to do... We'll make it happen.





## **HIGH SPEED CONVEYOR EQUIPMENT**

- Wide Belt Conveyor Used to Move Glass Quickly Through Coating Sections
- ★ MANUFACTURED IN THE USA BY C.R. LAURENCE
  An ISO9001:2008 Certified Company



## **CUSTOM COMPONENTS**

- Connect Your Processes with Faster, More Durable Sections, Reduce Labor
- One In-Line Component or a Full Line
- Full Design and Fabrication Expertise
- Transfer Table Moves Glass 90 Degrees to Enable Line to use Valuable Space
- MANUFACTURED IN THE USA BY C.R. LAURENCE
  An ISO9001:2008 Certified Company

### MOST ITEMS AVAILABLE FOR PURCHASE OR LEASE

## AUTOMATED CONVEYORIZED EQUIPMENT

CRL Glass Machinery has manufactured and installed Mirror Silvering Lines in over a dozen nations representing every continent around the world. Our superior experience and expertise have even been called on to create specific curtain coaters, ovens and even upgrade lines other than our own. CRL Glass Machinery Conveyorized Automated Silvering Lines are constructed in varying widths and modular sections to better meet your plant and production requirements. The close links maintained between our design staff and industry leaders in silvering chemistry and mirror backing paint technology help to insure that CRL Glass Machinery mechanical technology stays abreast of current challenges in the industry.



# COMPLETE MIRROR LINES, OR SINGLE COMPONENTS

- Components or Complete Lines Engineered to fit Your Application
- Fabricated, Assembled and Tested Before Installation
- Quick Set-Up, Less Down Time
- Each Section Designed with Convenient Maintenance Features That Promote Long Service Life
- Our Systems are used to Produce Mirrors in the Automotive, Residential, Commercial and Solar Industries
- **★** MANUFACTURED IN THE USA BY C.R. LAURENCE

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- Entire Processing Line Factory Built and Tested Before Delivery
- Allows Fast Installation



 Curing Sections Factory Installed and Tested

- Conveyor Systems Designed with Efficient Maintenance Features



## **GLASS CUTTING TABLES, MILLS AND POLISHERS**

CRL Glass Machinery produces basic machines that are still popular with many glass fabricators. The SM37 Glass Polisher is a heavy duty machine that can remove scratches from glass lites and even polish edges to a beautiful finish. The SM24 is a traditional grinder for custom finishing edges with abrasive grain. The EZE2000 Circle Edger makes quick work of Edging Circles up to 60" in diameter. The FG14BM cuts smooth finger pulls in sliding glass windows."

CRL Glass Machinery produces a full line of Cutting Tables varying in size from 6' x 8' (1.83 x 2.44 m) to 9' x 12' (2.74 x 3.66 m). The most common configuration is the Counterbalanced Tilt version, but Hydraulic tilting mechanisms are also available. All CRL Glass Machinery Cutting Tables are supplied with casters, locking feet, and top carpet sized to fit. Available options are Air Flotation and X and Y Breaker Bars.



#### **GLASS POLISHER**

- 110V AC
- Heavy-Duty
- Remove Scratches and Polish Edges

#### Cat. No. SM37

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## CIRCLE EDGER AND POLISHER

- · Grind and Polish Circular Glass
- Fast Set-Up
- 110V AC

Cat. No. EZE2000

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## **GLASS GRINDER**

- 110V AC
- Heavy-Duty
- Perfect for Hand Grinding Glass Edges

#### Cat. No. SM24

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### **FINGER GRIP MACHINE**

- Benchtop, 110V AC
- Cut Smooth Finger Pulls in Sliding Glass

Cat. No. FG14BM

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An ISO9001:2008 Certified Company



## COUNTERBALANCED TILT CUTTING TABLE

- · Casters and Locking Feet
- Fully Carpeted Top
- Available in Five Standard Sizes and Custom Sizes
- Optional Air Float and Breaker Bars

#### Cat. No. 2402510

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# HYDRAULIC TILT CUTTING TABLE

- Standard Air Float System
- Standard 'Y' Axis Breaker Bar
- · Optional 'X' Axis Breaker Bar

#### Cat. No. 2402522

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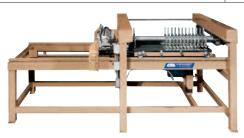
# ONE-DIRECTIONAL STALTER STRIP CUTTER

- For Fast, Accurate Production Cutting of Glass
- Five Standard Sizes
- Includes Four Cutting Heads

Cat. No. 46082RB

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An IS09001:2008 Certified Company



## X-Y TWO-DIRECTIONAL STALTER CUTTING MACHINES

- High Speed, High Volume Square and Rectangle Cutting Up to 1,600 Squares per Cycle
- Three Sizes Available

Cat. No. SS4040FT

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