

HEAD OFFICE / FACTORY
OFICINA CENTRAL/FABRICA

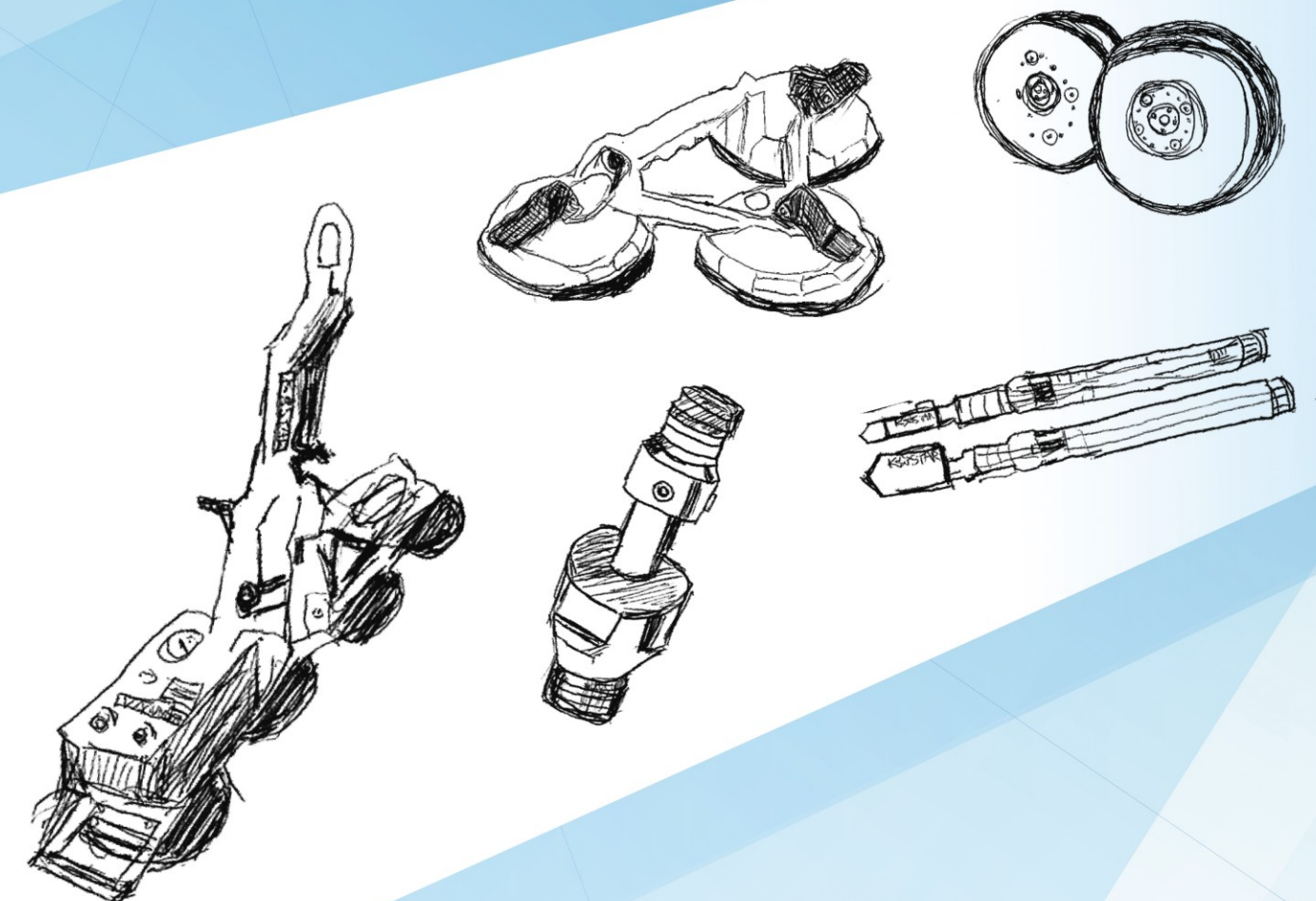
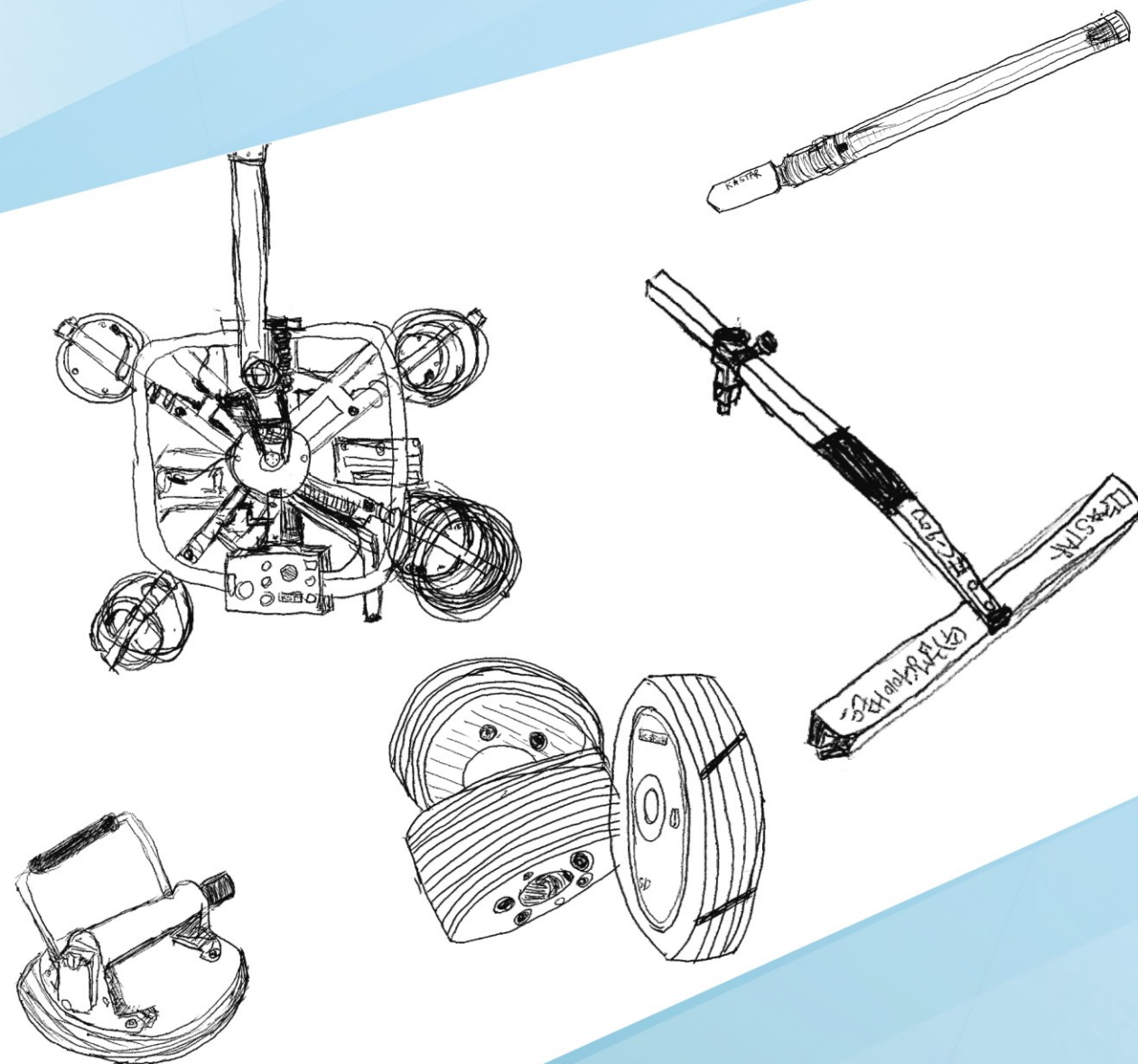
NAMDONG DONG-RO 138 BEON GIL (98B 7L)
NAMDONG INDUSTRIAL COMPLEX, INCHEON (ZIP 21691) KOREA

NAMDONG DONG-RO 138 BEON GIL (98B 7L)
NAMDONG COMPLEJO INDUSTRIAL, INCHEON (ZIP 21691) COREA

☎ 82-32-812-9933 ✉ kstar@kstar.co.kr
☎ 82-32-812-4090 📘 kstar.kumsung



www.kstar.co.kr



GLAZIER'S TOOLS
HERRAMIENTAS DE VIDRIO

UV BONDING TECHNOLOGY
TECNOLOGÍA DE ENLACE UV

DIAMOND TOOLS FOR GLASS INDUSTRY
HERRAMIENTAS DE DIAMANTE PARA LA INDUSTRIA DE VIDRIO

DIAMOND GRINDING WHEEL FOR OLED & LCD GLASS
MUELA DE DIAMANTE PARA OLED Y VIDRIO LCD

GLASS HANDLING EQUIPMENT AND MACHINERY
EQUIPO Y MAQUINARIA PARA MANEJO DE VIDRIO

KUM SUNG DIAMOND CO., LTD

Printed in March, 2020

*The contents in this catalogue are subject to change for a product improvement without notice



A Dedication To Quality & Service to our customers.

Kum Sung Diamond was founded in 1968 by an innovative craftman as a manufacturer of small hand-held glass cutters with diamond tips. In the next generation to come, the company continued to blossom and expand under the sons administration. Father and son attribute the growth of the company to their keen desire to exceed the expectations of their clients and continual improvement of their products.

Kum Sung has almost 70 employees and a product range of over 200 tools. The company's success comes from careful interest in the customers' needs. Here, at Kum Sung, the company strives to provide products and offer services that act as the solution the customers' problems.

Through innovative research and by staying attuned to customer comments, Kum Sung has been able to become one of the leading tools and equipments manufacturing companies in the glass and LCD industries.

Kum Sung is committed to the pursuit of quality through active technological exchanges from abroad, scientific development and long accumulated experience in the industry. Kum Sung is still comparatively small in size but its enthusiasm to meet the customers need is bigger than ever.

Kum Sung looks forward to its continued relationship with our customers.

Chairman

강길석



K u m S u n g D i a m o n d

C O N T E N T S

Glazier's Tool HERRAMIENTAS DE VIDRIERO

p.04	Cutting Wheels & Holders
p.05	Cutting Oil
p.05	Oil-feed Glass Cutters
p.06	Ezy-Cutter
p.07	Cutting & Running Pliers
p.08	Circle & Shape Cutting Tools
p.09	Small Circle & Shape Cutting Device
p.10	UV Bond Curing Lamp
p.10	Vacuum Dust Collector
p.11	Vacuum Cup Holders
p.12	Vacuum Cup Holders
p.13	LCD Vacuum Holders



Diamond Wheels & Tools RUEDAS DE DIAMANTE Y HERRAMIENTAS

p.14	Diamond Grinding Wheels
p.16	Electro-Plated Diamond Tools
p.17	Metal & Resin Bond Wheels
p.18	Drilling Bits / Porable Drilling Device



Equipment and Machinery EQUIPO Y MAQUINARIA

p.19	Drilling Machine / Dual Belt Seamer
p.20	Washing Machine
p.21	Grinding Machine & Cutting Machine
p.22	Standard Vacuum Lifter
p.24	New Balance Lifter
p.26	Vacuum Lifter
p.29	Light Rail System & Overhead Crane
p.31	Mega Size Material Lifter
p.32	CNC Cutting Tables
p.33	Glass Rack System / Laminated Glas Cutting
p.34	Timing Belt / Dressors and Contact Gauges
p.34	Adapters for Core Drills
p.34	Diamond Drills for Refractories
p.35	Tempered glass shock testing device
p.35	Spear Drills / Sling Belt



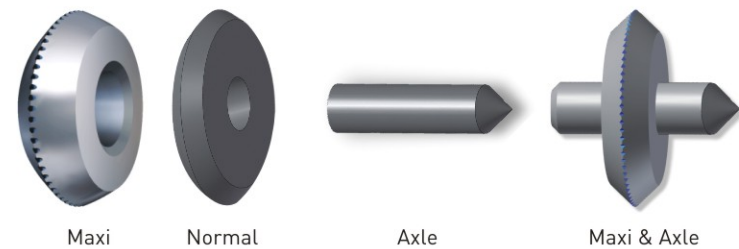
Cutting Wheels & Holders

Plastic Holder Set

_ Plastic Holder with Cutting Wheels, High-Precision Tungsten Carbide Wheel comes in different angles and holder color according to the thickness of glass Designed for automatic cutting machines(Grenzebach, Bottero, Lisec, Bystronic, Copmes etc.)

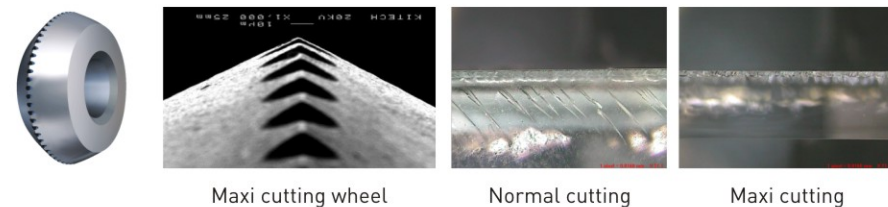


Wheel & Axle Combinations



Model MODELO	Feature CARACTERÍSTICAS
F-Series SERIES-F	Traditional & General Purpose Material : Suitable for General Cutting Work MATERIAL DE USO GENERAL Y TRADICIONAL
SA-Series SERIES-SA	Super Strong & Long Lasting Material : Good for Fast Cutting Work with less Chipping MATERIAL SÚPER FUERTE Y DURADERO: BUEN PARA CORTES RÁPIDOS Y CON MENOS ASTILLAS
Maxi Series SERIES-MAXI	Deeper Penetration of Force : Good for Thin and Thick Glass Cutting Work FUERZA DE PENETRACIÓN MAS PROFUNDA: BUENA PARA VIDRIOS DELGADOS Y GRUESOS

Premium Cutting Wheel : Maxi Series



© Easier to break due to deep median crack

Standard Cutting Wheels	Axle / PIN	Standard Cutting Wheels	Axle / PIN
RUEDAS DE CORTE ESTÁNDAR (OD x ID x T x A°)	EJE (OD x L)	RUEDAS DE CORTE ESTÁNDAR (OD x ID x T x A°)	EJE (OD x L)
2.6 x 0.8 x 0.64(0.65) x A°	0.8 x 4.0	4.0 x 1.4 x 1.1 x A°	1.4 x 4.8
2.8 x 1.3 x 1.0 x A°	0.8 x 6.0	4.2 x 1.4 x 1.1(1.0) x A°	1.4 x 5.2
3.0 x 0.8 x 0.64(0.65) x A°	1.0 x 4.4	5.0 x 1.3 x 1.1 x A°	1.4 x 6.0
3.2 x 1.0 x 1.0 x A°	1.0 x 4.8	5.0 x 1.4 x 1.1(1.0) x A°	1.4 x 6.5
3.4 x 1.0 x 0.7 x A°	1.2 x 4.8	5.5 x 1.4 x 1.1 x A°	1.4 x 8.0
3.4 x 1.0 x 1.0 x A°	1.3 x 5.0	5.6 x 1.4 x 1.1 x A°	1.5 x 6.0
3.5 x 1.2 x 1.0 x A°	1.3 x 7.0	5.6 x 1.5 x 1.1 x A°	1.5 x 6.0
3.5 x 1.3 x 1.0 x A°	1.4 x 4.4	6.0 x 1.4 x 1.1 x A°	2.8 x 7.0
4.0 x 1.3 x 0.7 x A°	1.4 x 4.4	12.6 x 2.8 x 2.0 x A°	

Cutting Oil

Model MODELO	Benefit BENEFICIO
Max Cutting Oil (EL-Series)	EL-120ml EL-1L EL-20L General Purpose & Best Selling Cutting Oil for All types of Glass (Freight Safe) USO GENERAL Y EL MEJOR ACEITE DE CORTE PARA TODO TIPO DE VIDRIO (ES SEGURO TRANSPORTAR POR CARGA)
Clean Lub (WO-Series)	WO-120ml WO-1L WO-20L Quick Dry and Easy to Wash SE SECA RÁPIDO Y ES FÁCIL DE LIMPIAR
Fine Cut Low-E (FC-Series)	FC-20L Recommended for Coated Glass such as Low-E RECOMENDADO PARA VIDRIOS REVESTIDOS COMO Low-E

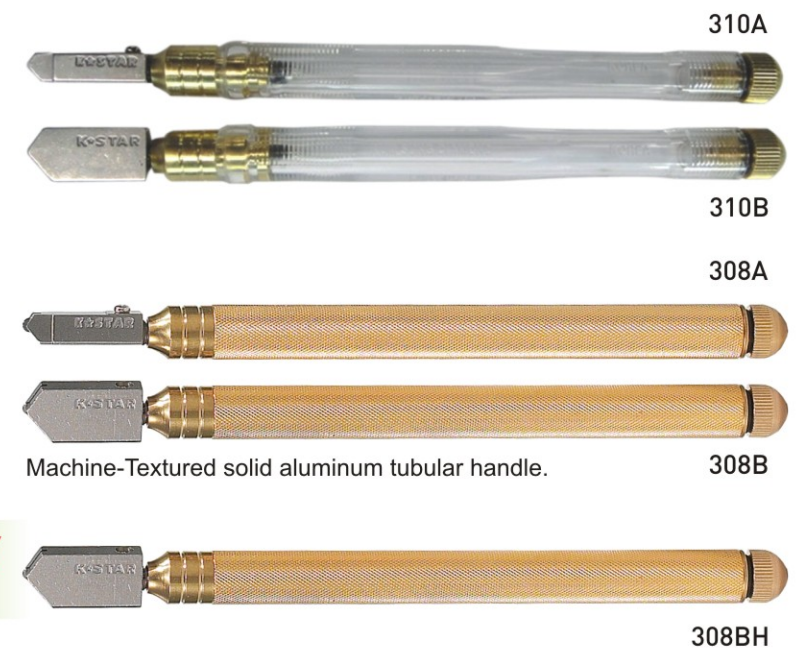


Oil-feed Glass Cutters

Unsurpassed in quality, these High-Precision tools offer the greatest value in Hand-Held cutters available anywhere

- _ Tungsten-Carbide wheel, perfectly ground to provide cleanest score and longest Wobble-free service life.
- _ Unique oil-feed system controls oil amount to suit the individual user's requirements.

PACKAGE TYPE



Suitable for Thick Glass from 8mm to 19mm, with interchangeable cutting head (Model RH-WH)

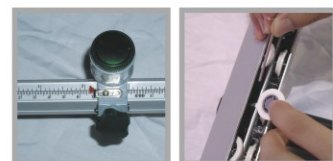


Replacement Cutter Heads CABEZALES DE CORTE DE REPUESTO

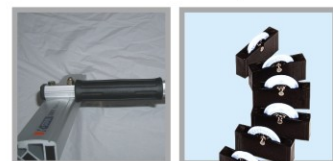
Narrow (RH-ND) head for pattern cuts CABEZA ESTRECHADA PARA CORTES DE PATRONES
Wide (RH-WD) head for straight cuts CABEZA ANCHA PARA CORTES RECTOS
Heavy duty (RH-WH) head for thick glass (8~19mm) CABEZA RESISTENTE PARA VIDRIOS GRUESOS

Master of Straight Cutting 「Ezy-Cutter」

_ The Smoothest-Running, Fastest-Cutting, Easiest-To-use manual operation glass cutter for sheet glass on the market ! The ideal tool for the commercial sheet glass or mirror operation in large or small.
Runs along any straight edge of glass sheet on precision rollers, adjustable and replaceable, right or left hand operation. Easily readable and unerasable scale for adjusting cut dimension.



a) Wide Scale b) Easy Maintenance



c) Soft Rubber Grip d) Smooth Running Roller



Model	Description
EC-300	300mm (12 inch)
EC-600	600mm (24 inch)
EC-900	900mm (36 inch)
EC-1200	1200mm (48 inch)
EC-1500	1500mm (60 inch)
EC-1500S	1500mm (60 inch)
EC-1800	1800mm (72 inch)
EC-1800S	1800mm (72 inch)
EC-2100	2100mm (84 inch)
EC-2400	2400mm (94 inch)

Replacement Parts	
EC-1901 ①	Holder With Cutter head
ECN-1902 ②	Cutter Head
EC-1902H ②	Cutter Head for Thick glass from 10mm to 19mm
EC-1903 ③	Guide Roller
DTC-1903 ④	20PCS / PACK

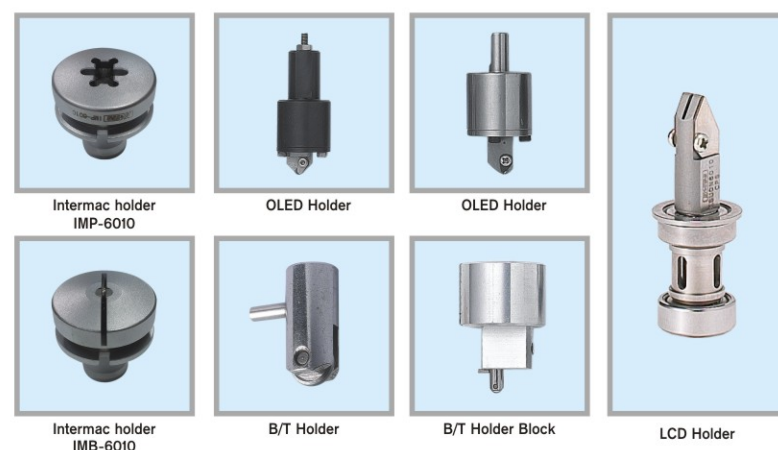
Split Type to Save Shipping Space Model : EC-1500S / EC-1800S

TIPO DIVIDIDO PARA SALVAR ESPACIO EN EL ENVÍO

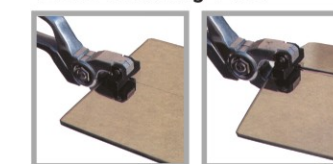


step ① step ② step ③ completed

Holders

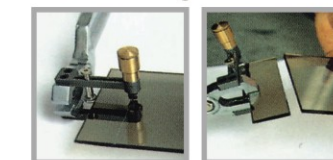


GRP-512 Glass Running Plier



This Plier can be used on various thickness of glass from 5mm to 12mm. A good quality product for long break.

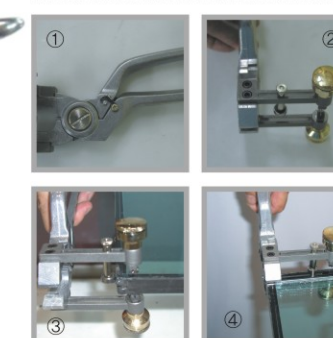
GCP-312 Glass Cutting Plier



Designed particularly for cutting narrow glass strips Precisely from 3mm to 12mm. thickness and width from 7mm to 45mm. Easily readable scale for adjusting cutting dimensions, it gives a perfect run on glass.

MCP-220 Insulating & Laminated Glass Cutting Plier

ALICATES AISLANTES Y LAMINADOS PARA CORTES DE VIDRIO



1. Unlock the plier
2. Adjust the bearing guide
3. Cut the edge of insulating glass
4. Break it with the jaw



- © change this holder when you cut single sheet of glass
- A. Laminated Glass (Hybrid Cutting)
 - B. Insulated Glass (Hybrid Cutting)
- Thickness : Max. 20mm
Width : 7~45mm

GRPH-520 (Heavy Duty Glass Plier)

ALICATE DE VIDRIO PARA TAREAS PESADAS



Specification	
Model No.	GRPH-520
Application	Straight cutting
Net.weight(KG)	1.2 kg
Glass Thickness	5-20mm



- ① Use heavy duty glass cutter(308BH)
- ② Align the jaw to the score line and tighten the bolt
- ③ Squeeze the handles gently



Cutting & Running Pliers

GCC-100 (Glass Corner Breaker) ROMPEDOR DE LAS ESQUINAS DEL VIDRIO



Specification	
Model No.	GCC-100
Application	Corner and Straight cutting
Net.weight(KG)	1.4 kg
Glass Thickness	5-20mm



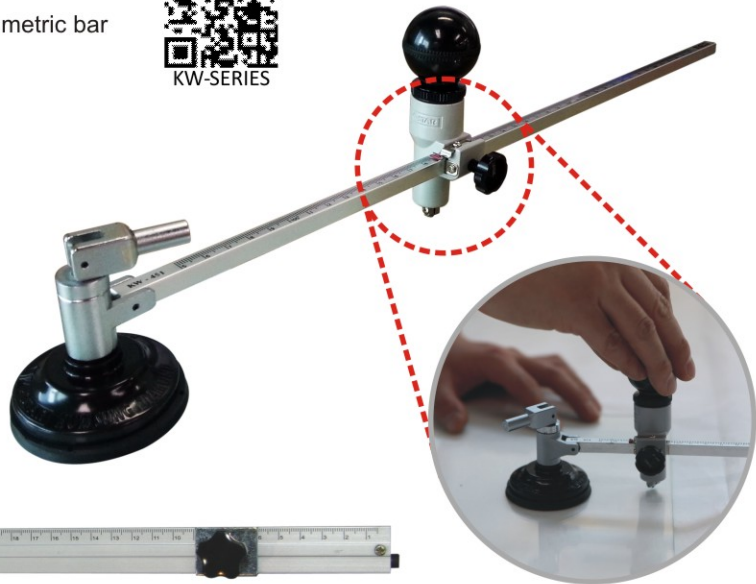
Circle & Shape Cutting Tools

Dry Circle Cutter (KW-SERIES)

It gives clean and accurate circle cuts with a calibrated metric bar

Model	Description
▪ KW-451	Cuts Circles 100mm(Min) to 900mm(Max)
▪ KW-901	Cuts Circles 100mm(Min) to 1,800mm(Max)

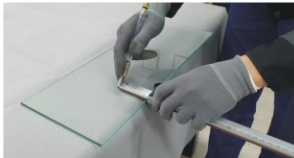
Replacement Parts	
① KW-6010	Reservoir with bearing case including carbide wheel holder
② KW-6020	Holder with Carbide Wheel
③ KW-6040	Carbide Cutting Wheel for 2~3mm glass(φ4 X 1.4 X 1.0 X 145°) for 4~5mm glass(φ4 X 1.4 X 1.0 X 154°)



Cutting Guide



Cutting Guide	
▪ CGN-360	cuts to 12"(300mm)
▪ CGN-660	cuts to 24"(600mm)
▪ CGN-1000	cuts to 36"(900mm)



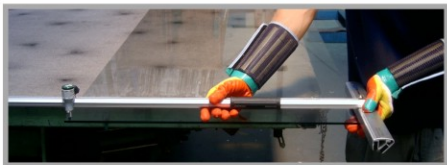
Cut-proof Gloves & Wrist Guard



Cut-proof gloves



Wrist guard

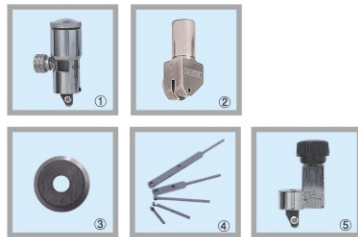


Bamboo type

Small Circle & Shape Cutting Device

C-SERIES CIRCLE CUTTING MACHINE (MANUAL OPERATION)

Basic Circle-Cutting machine for Low-Volume requirements. Built with rugged castings, heavy base. Available in 3 different ranges, all with Min.2"(φ50)diam. Max.18"(φ450)diam



Model	Description
▪ C-2500	Circle Cutting up to 10"Diam(φ250mm)
▪ C-4500	Circle Cutting up to 18"Diam(φ450mm)

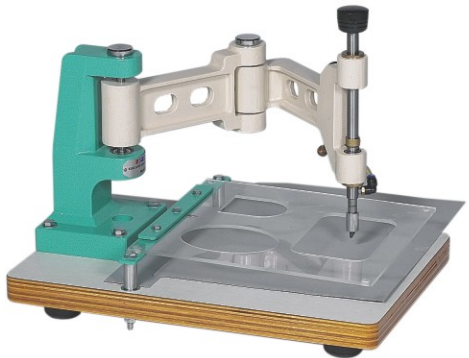
Replacement Parts	
① C-6010	Bearing Case with Carbide Wheel Holder
② C-6030	Holder for Carbide Wheel
③ C-6040	Carbide Cutting Wheel
④ C-6050	Scale Bars
⑤ C-6010M	Small diameter cutting holder(35mm or less)

SC-SERIES IRREGULAR SHAPE CUTTING MACHINE (MANUAL OPERATION)

Hand-operated production cutter for multiple duplication of irregular shaped pieces of glass for stained glass lamps or other decorative glass products. The oil feed cutter follows a profile of changeable templates.

Model	Description
▪ SC-2800	Cuts to Max. 11" X 13"(280X330mm)
▪ SC-4000	Cuts to Max. 14" X 20"(350X510mm)

Replacement Parts	
▪ SC-6010	Bearing Case with ① Carbide Wheel Holder
▪ SC-6020	Holder with Carbide Wheel ②
▪ SC-6030	Holder for Carbide Wheel
▪ SC-6040	Carbide Cutting Wheel ③
▪ SC-6050	Niddle bearing ④



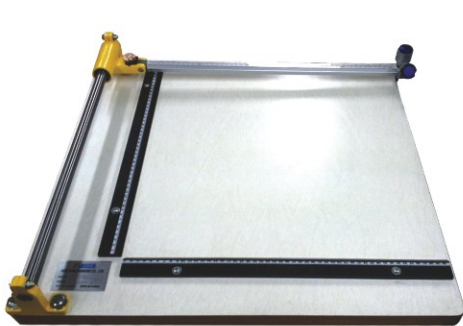
SPC-SERIES SERIES - SPC

CUTTING TABLE MESA PARA CORTAR

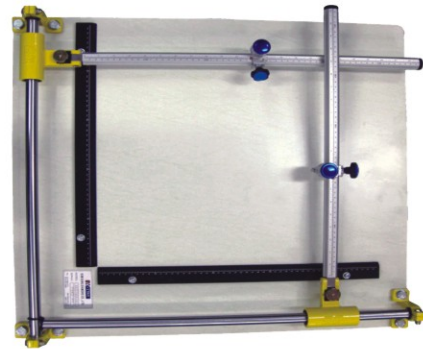
Ideal device for glass labs.

It is designed to cut thin glass such as LCD and PDP in stripes.

ESTE DISPOSITIVO ES IDEAL PARA LABORATORIOS DE VIDRIO
ESTA DISEÑADO PARA CORTAR VIDRIOS DELGADOS COMO LCD Y PDP EN RAYAS



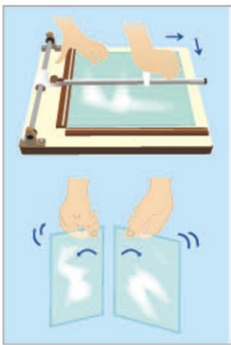
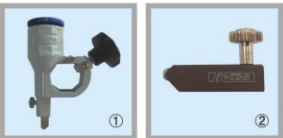
SPC-451



SPC-452

Model	Description
▪ SPC-451	Cuts to Max. 17" X 17"(450X450mm)
▪ SPC-452	Cuts to Max. 17" X 17"(450X450mm)

Replacement Parts	
① EC-1901	Holder with cutter head
② ECN-1902	Cutter head



UV Bond Curing Lamp

UV LAMP 50 Light and Compact LED type Curing lamp (Easy to use)
LAMPARA CURADORA LED LIGERA Y COMPACTA



NEW



Battery and charger



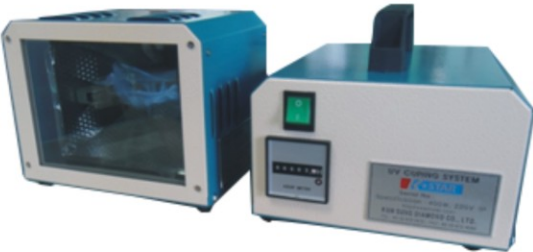
Charger



UV LAMP

UV wave length : 398nm
Net weight(with battery) : 670g
Expected life : 10,000hrs

UV400W Designed for high-end glass furniture market.
Strong and fast curing device
400Watt UV light : expected life - 1,000 hrs
Blue UV glass filter : It is specially made to block harmful UV ray
(Please wear eye protection)
Net weight : 7.8kg



Vacuum Dust Collector COLECTOR DE POLVO AL VACÍO



- Efficient way of Collecting dust & fume
- Pneumatic power only
- Max air flow : 600ℓ/min
- Good for wet and dry grinding work
- Maintenance-free



NOZZLE
Large : Φ100 x 200mm
Medium : Φ85 x 160mm
Small : Φ60 x 150mm



AIR HOSE
OD : Φ12
ID : Φ8



VACUUM HOSE
OD : Φ38
ID : Φ32



Dust bag(Reusable)
35L

Vacuum Cup Holders



KSG-125 For use on flat surfaces only.
Easy one-hand-operation

Description	Lifting Capacity	Unit/Pkg
Plastic body	40kg	1



KS-606P

Double cups with plastic body for flat surfaced materials

Description	Lifting Capacity	Unit/Pkg
Plastic body	80kg	1



KS-606

Double cups with aluminum body

Description	Lifting Capacity	Unit/Pkg
Cast Aluminum body with Plastic Trigger	80kg	1



KS-608

Triple cups, for flat surfaced materials

Description	Lifting Capacity	Unit/Pkg
Cast Aluminum body with Plastic Trigger	120kg	1



KS-608P

Triple cups, for flat surfaced materials

Description	Lifting Capacity	Unit/Pkg
Plastic body	120kg	1



KS-708

Designed for flat surfaced materials.
Quick and strong action.
* min. Glass thickness : 5mm

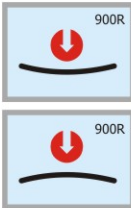
Description	Lifting Capacity	Unit/Pkg
Cast Aluminum body with Plastic Trigger	120kg	2



RF-908

Unique vacuum holder designed for curved, in either convex or concave and flat surfaces.

Description	Lifting Capacity	Unit/Pkg
Plastic body	Convex 70kg Concave 50kg Flat 80kg	2



Vacuum Cup Holders



KSL-605 $\phi 23$ **KSL-604** $\phi 40$ **KSL-603** $\phi 65$

Cell phone cover glass
Option : Non marking material available



KS-3307 $\phi 80$ **PAT-203** $\phi 115$

Small and curved surface

Pump Vacuum Holders

_A solid one-body frame with durability and safety. Needs only minimum amount of time to activate with the pump and release with one touch button. It has a subordinate handle for extra grip and facilitated carrying



RP-808

Description	PAD size	Net W/T
Curved or Irregular Surfaces	10"(236mm)	1.51kg



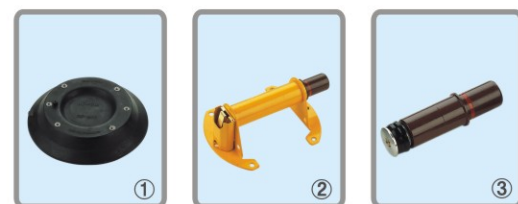
RP-808H

Description	PAD size	Net W/T
Hot surfaces(up to 80℃)	10"(236mm)	1.51kg



RP-207

Description	PAD size	Net W/T
Patterned and Flat Surfaces	8"(207mm)	1.42kg



Replacement Parts

- ① RP-6050 Rubber Pad
- ② HP-6080 Handle with Pump
- ③ LP-6090 ABS Pump

LCD Vacuum Holders (Patented)

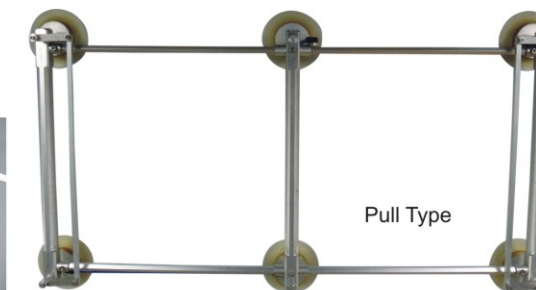
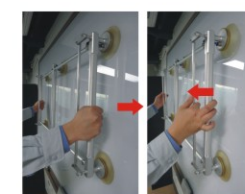
It has anti-static pads for LCD glass TIENEN ALMOHADILLAS ANTI-ESTÁTICAS PARA VIDRIOS LCD

LCD-52



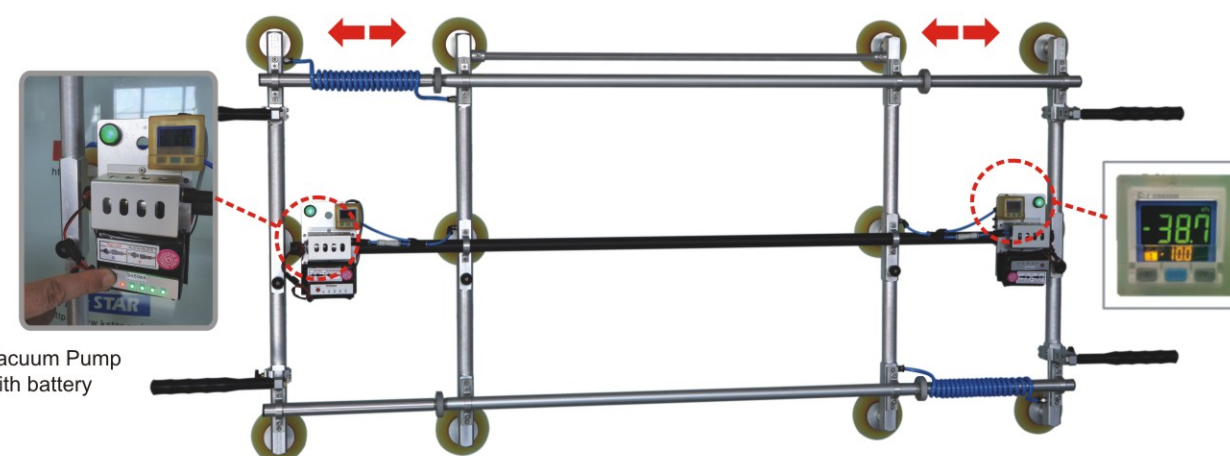
Model	Handle size	Vacuum cup size
LCD-52	180mm	85mm
LCD-54	500mm × 180mm	85mm

LCD-54



Vacuum(Push) ▲ ▲ Release by Puller

Curved Type & Battery type Holder TIPO DE LEVANTADOR CURVO Y TIPO DE LEVANTADOR CON BATERÍAS



Types of vacuum pads



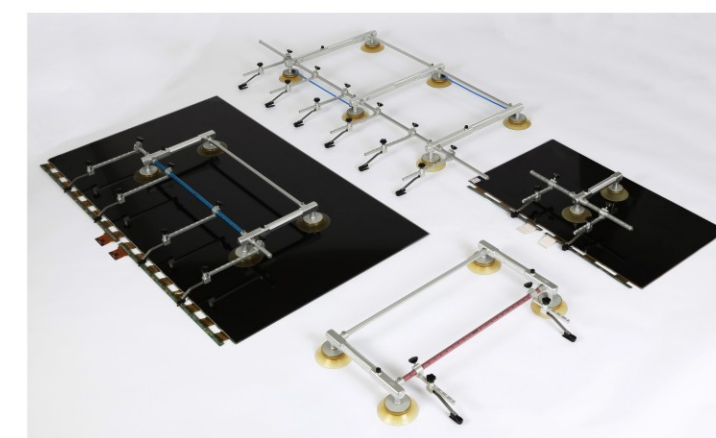
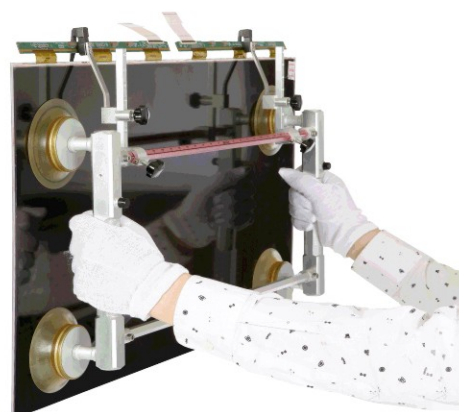
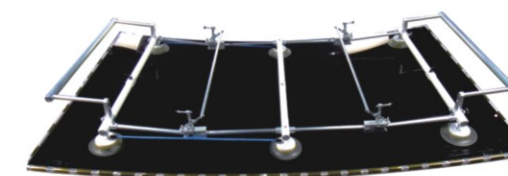
85 PAD
100 PAD



Non-slip Pad



120 x 70mm
Oval-shaped pad



Diamond Wheels & Tools



Diamond Grinding Wheels

For OLED, LCD Glass

Multi Grinding Wheels



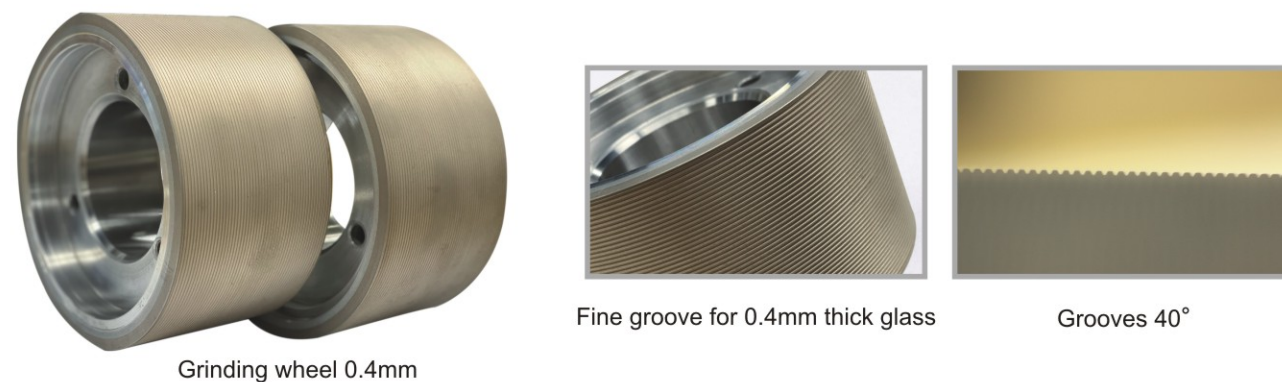
Cell edge grinding wheel for high speed

Corner Grinding Wheels



Notching wheel

Metal Groove Wheels



Grinding wheel 0.4mm

Fine groove for 0.4mm thick glass

Grooves 40°

Single Cup Grinding Wheels



Tripple Cup Grinding Wheels



Double Cup Grinding Wheels



Quadraple Wheels with corner



Set Wheels



Quadraple Wheels



Electro-Plated Diamond Tools

Flexible Maxi Disc

Excellent grinding power, for ceramic, marble, glass, tile, etc,



Model	O.D	I.D	Grit-Size
MD120	100(4")	15.875(5/8")	#100
MD200			#180

Special types are available by order

Diamond Hand Pad

For removing sharp edge, finishing cut out and touch-up on machine edge pieces.

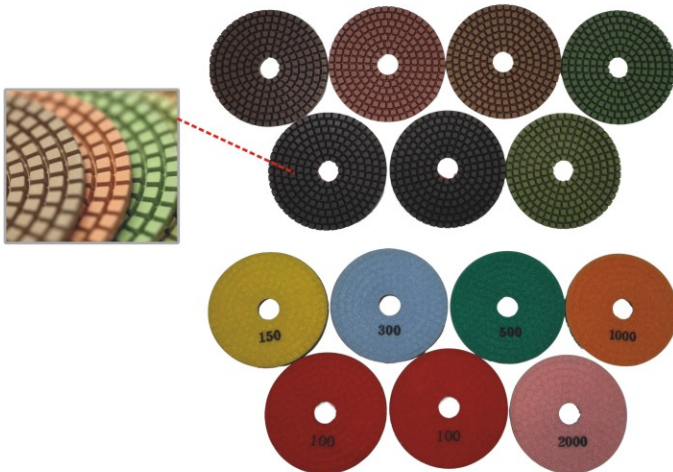


Model	Sheet Size	Backing	Grit-Size
SWP-10	55*100	Sponge	#60~#400

Special types are available by order

Model	Grit-Size	Color
EDHP-60	#60	Green
EDHP-100	#100	Black
EDHP-200	#200	Red
EDHP-400	#400	Yellow

Polishing Wheels for Stone



Polishing Wheels for Glass



Metal & Resin Bond Wheels

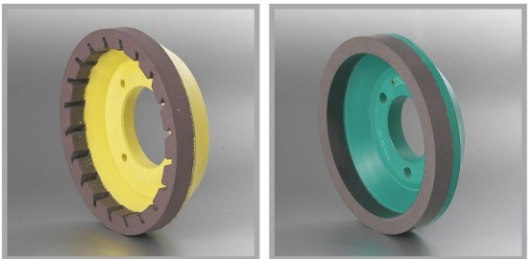
Metal Bond

Ideal for rough grinding.
Cup shaped wheels are for bevelling and double edging machines.
Rough grinding process can be more than 1 step



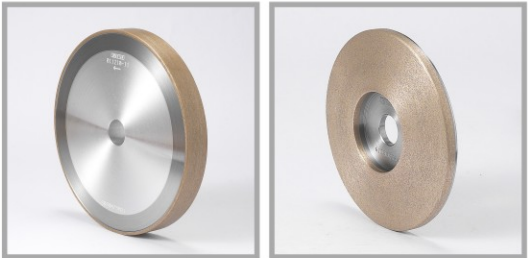
Resin Bond

Ideal for finishing process.
Cup shaped wheels are for bevelling and double edging machines.
Finishing process can be more than 1 step
These wheels determine a good polishing result.



Straight Type Wheels

Basic diamond wheel for every type of grinding work.
Widely used for cylindrical grinding job.
It is used not only for glass but also for metal grinding work.



PE-Type (Pencil edging) FA-Type (Flat Arris)

The most popular grinding shape in glass processing.
It can be used for automatic and manual grinding machines.
It requires to be dressed or trued as the pencil edge shape fades.



Seaming Wheels (Resin+Metal)

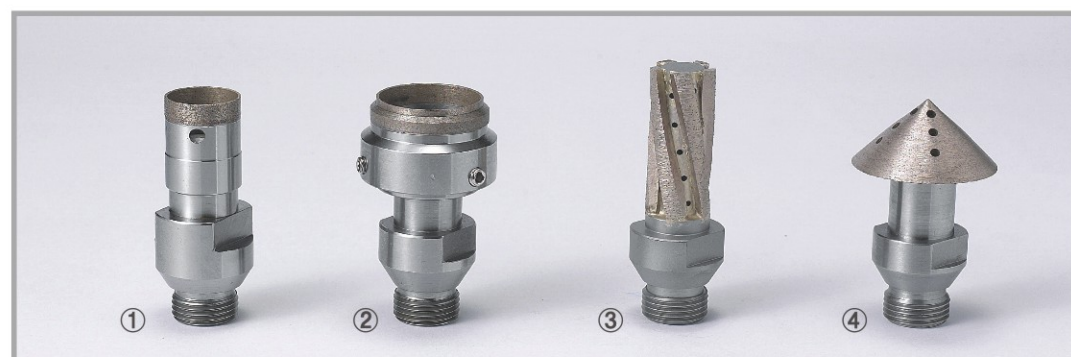


For grinding glass edge at high speed
with a multiple wheel grinding machine
PARA MOLER EL BORDE DEL VIDRIO EN VELOCIDADES ALTAS
CON UNA MAQUINA MOLEDORA CON RUEDAS MÚLTIPLES

Drum Wheels



Drilling Bits



Model

- ① Core drill CD-P Type
- ② Core drill and countersink
- ③ Router Bit
- ④ Belgium mount counter sink

Various Types



Portable Drilling Device (Core Handler)



DD-100K
keyless chuck type



DD-100
Belgium Thread mount

It is a drilling device to make a hole on a glass sheet.
Easy to use regardless of glass size.

* Drill bits are sold separately



How to mount a drill bit



DD-100K

PDM-100

Portable Drilling Machine

The coolant will be fed from the center of the diamond drill
The drilling speed can be adjusted up to 2,900RPM
The maximum drilling diameter is 100mm and depth is 40mm

- Motor : 250 Watt
- Drilling Speed : 0~2,900RPM
- Cooling System : Center Cooling
- Weight : 15kg
- Power Supply : 110 or 220V



Equipment and Machinery



Drilling Machine



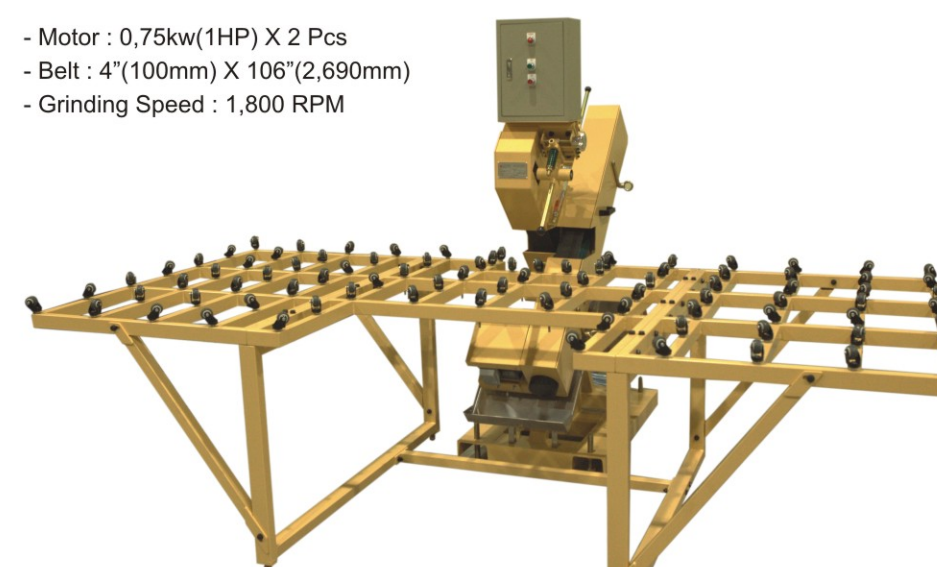
KNDR-700

Table Drilling Machine (2 axis : Up & Down)

- Motor Power : 1000Watt(380V 3P)
- Drilling Speed : 2,900RPM
- Distance from hole center to the edge of machine : 700mm or 1200mm
- Center Coolant Feeding System.
- Laser Pointer can be attached. (Optional)
- Caster Table can be attached. (Optional)
- Drill Mounting Method : Belgium Type
- Max. Drilling Capacity : 100mm
- 2 Step Drilling Speed Control Type
- Automatic Drilling Process
- Soft Pneumatic Cylinder Up-Down Type

Dual Belt Seamer

- Motor : 0,75kw(1HP) X 2 Pcs
- Belt : 4"(100mm) X 106"(2,690mm)
- Grinding Speed : 1,800 RPM



Dual belt seamer with a
caster table

- Caster Table (Option)
1,400mm X 3,000mm X 930mm(H)



Seaming machine with a wet grinding kit (Option)

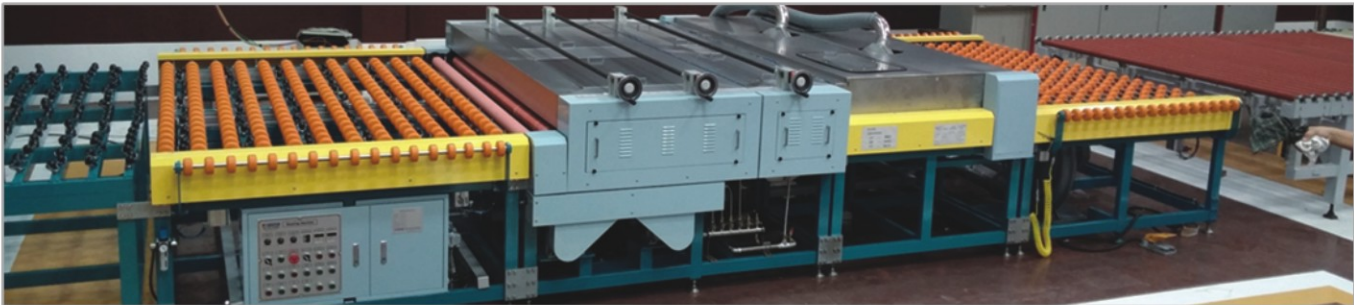
Washing Machine

GLASS WASHING MACHINE SERIES

This machine is used for tempering and insulating glass manufactures. It offers either power air knives or sponge rollers for drying process. Powerful cleaning brush rollers will give you dust-free glass. The size of the machine varies depending on your application



- New type Roller
- Adjustment of Air knife angle



Grinding Machine & Cutting Machine

SB-2040 RAIL SYSTEM CUTTING MACHINE

- Two cutting motor(2Hp)
- Diamond Rim cutter (10" x 1.6T x 30mm(ID) : 4pcs
- Power Supply : 220V, 1P
- Ideal for shower booth cutting
- Cutting Rim cutter specification :
10"(OD) x 30(ID) x 1.6(T)mm Grit #80/100



RT-A3582 RAIL TYPE GRINDING MACHINE ALUMINUM BODY

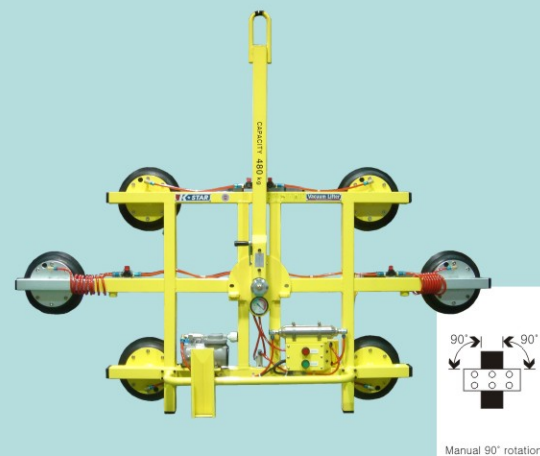
- Machine Dimensions: 140"(L) x 47"(W) x 54"(H)
- Table Dimensions : 75"(L) x 27"(W) x 5"(H)
- Motor : 1 ~ 1.5 HP (0.75~1kw)
- Grinding Speed : 2,900 RPM



Table with grass plate fixed for grinding a small sheet of glass
Sliding table without grass plate for grinding a large sheet of glass

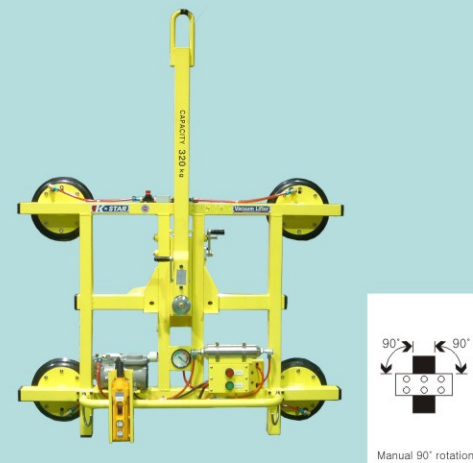
Model	Description
RT-A 3581	Aluminum Body with one motor for grinding
RT-A 3582	Aluminum Body with two motor for grinding and polishing

Standard Vacuum Lifter (AC Power)



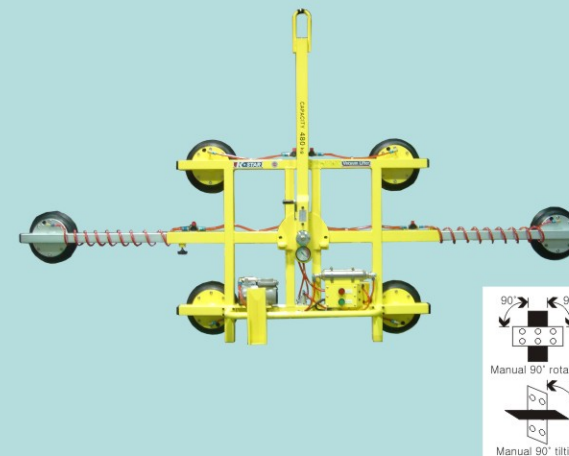
KSAF-01

- Lifting Capacity : 480kg
- Q'ty of Vacuum pad : 250 × 6EA (Model KSPL-241pad)
- Glass Size : Min. 1750mm × 950mm
- Rotation : Manual 90° to left and 90° to right
- Arm Sliding : 2pads enables to handle different sizes of glass with one lifter
- Power Supply : 220V, 1P, 50/60Hz
- Ideal for either of factory and construction work.



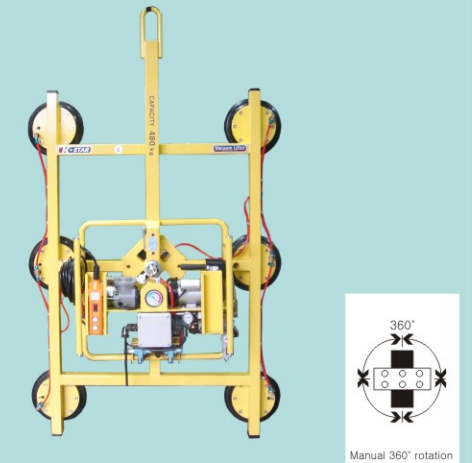
KSAF-02

- Lifting Capacity : 320kg
- Q'ty of Vacuum pad : 240 × 4EA (Model KSPL-237pad)
- Glass Size : Min. 1100mm × 950mm
- Rotation : Manual 90° to left and 90° to right
- Power Supply : 220V, 1P, 50/60Hz
- Ideal for Insulation line



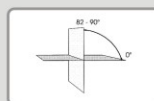
KSAF-03

- Lifting Capacity : 480kg
- Glass Size : Min. 1750mm × 950mm
- Rotation : Manual 90° to left and 90° to right
- Tilting : Manual 90° tilting
- Arm Sliding : 2pads enables to handle different sizes of glass with one lifter
- Power Supply : 220V, 1P, 50/60Hz
- Ideal for either of factory and construction work.

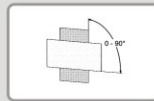


KSAF-04

- Lifting Capacity : 480kg
- Glass Size : Min. 1400mm × 1100mm
- Rotation : Manual 360° rotation
- 1/10 Hp Compressor for fast release
- Power Supply : 220V, 1P, 50/60Hz
- Ideal for general lifting work in factory



1. Tilting (Manual or Automatic)
* Useful for tempering furnace work
(Tilting angle : 90°, 180°, 360°)"



2. Rotating (Manual or Automatic)
* Useful for insulating glass/ IGU / edging work



3. Inclining (Manual or Automatic)



4. Turnover (Manual or Automatic)



5. Sliding Arm



Arm Sliding

Have it your own way! (Possible Functions)



MTC-005
No Mark Cover



KSUP-200
Concrete, Steel



KSPD-203B
Curved Glass



KSPD-237
Factory



KSPD-241
Construction



KSPD-300
Heavy Duty

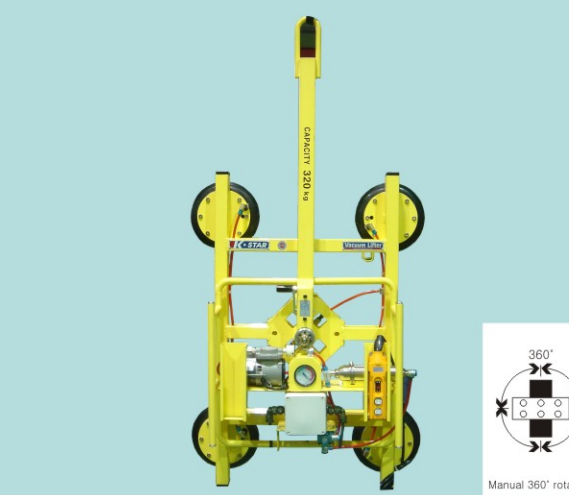


KSPD-R203
Curved Glass



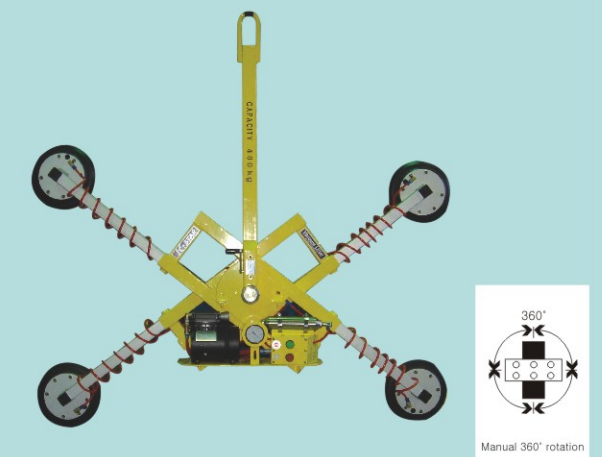
KSPD-R203H
Tempered Glass

6. 12V Battery Power or 220V AC Power or Pneumatic Power Operation
7. Push Button or Manual Valve Suction
8. Normal or Fast Releasing
9. Flat or Curved Object
10. Low Vacuum Sonic Alarm / Visual Alarm
11. Vacuum Locking System or Sustaining System
12. Pad Size : 150mm (50 Kg), 200mm (80 Kg), 240mm (80 Kg), 300mm (100 Kg)"
13. No-Mark Cover
14. Factory Use or Construction Use



KSAF-05

- Lifting Capacity : 320kg
- Glass Size : Min. 1050mm × 850mm
- Rotation : Manual 360° rotation
- 1/10 Hp Compressor for fast release
- Power Supply : 220V, 1P, 50/60Hz
- Ideal for general lifting work in factory



KSAF-06

- Lifting Capacity : 480kg
- Glass Size : Min. 1350mm × 800mm
- Rotation : Manual 360° rotation
- Arm Sliding : 4pads enables to handle different sizes of glass with one lifter
- Power Supply : 220V, 1P, 50/60Hz
- Ideal for either of factory and construction work.

New Balance Lifter (Pneumatic Power Lift)

New Balance Lifter is designed for delicate glass handling work. It uses a pneumatic power cylinder to control the object precisely and safely.



KSNB-01

Designed for IGU line.
Light and fast speed working.
6 Degree Inclining,
90 Degree Rotating functions
Capacity : 160 Kg



KSNB-03

Good for normal glass size handling.
6 Degree Inclining,
90 Degree Rotating functions
Capacity : 320 Kg



KSNB-05

Excellent mutipurpose lifter
with extendable arms.
90 Degree Tilting,
90 Degree Rotating functions
Capacity : 500 Kg



* Specification & Function

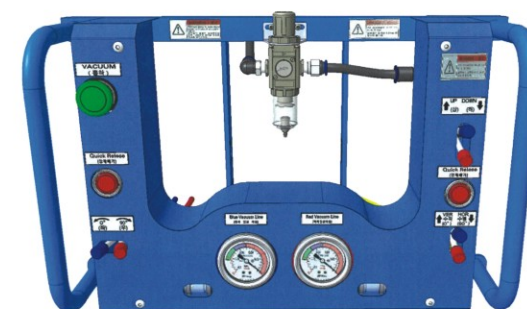
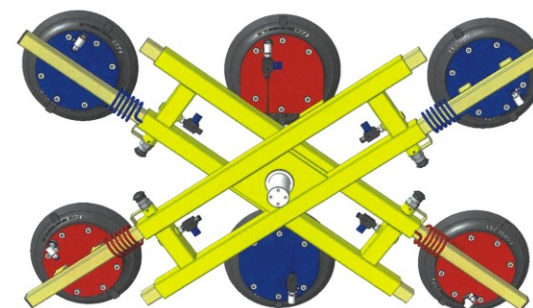
1. It requires only pneumatic power
2. 90° automatic tilting / 6° automatic tilting / 90° automatic rotating functions (Manual function is also available)
3. Adjustable sliding arm system for various glass handling
4. Adjustable handle system for various glass handling
5. Fast and accurate movement (Vacuuming & Releasing)
6. Loading Capacity can be from 160kg to 500kg

* Available Option

- A. Dual or Individual Vacuum Circuit
 - B. Quick Release Function
 - C. Individual Vacuum Indicator for Maximum Safety (Conditions apply)
 - D. One Touch locking System for Extendable Arms
- Any Customized Functions can be discussed.



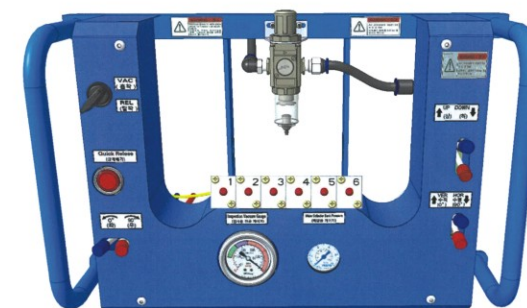
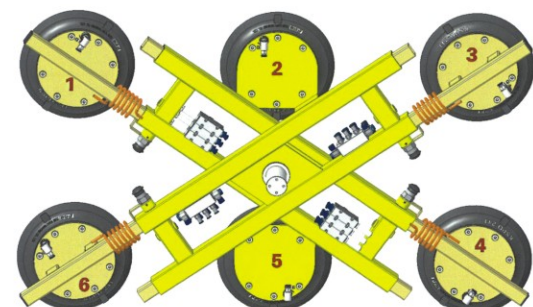
UB Type (2-Button Release System)



This model fulfills European Standard, dual vacuum circuit.
There are 2 separate vacuum generators and vacuum gauges.
Blue and red colors indicate for separate air circuit.
Vacuum can be applied with only one quick button press.
It only releases the glass when 2 release buttons are pressed together.
Recommended for vertical grinding machines.

ESTE MODELO CUMPLE EL ESTÁNDAR EUROPEA, CIRCUITO AL VACÍO DUAL. HAY 2 GENERADORES DE VACÍO Y MEDIDORES DE VACÍO. LOS COLORES AZUL Y ROJO SON INDICADORES PARA LOS CIRCUITOS DE AIRE SEPARADOS. EL VACÍO SE PUEDE APLICAR CON SOLO UN BOTÓN. EL VIDRIO SOLO SE LIBERA CUANDO LOS 2 BOTONES DE LIBERACIÓN SE PRESIONAN AL MISMO TIEMPO. RECOMENDADO PARA AFILADORAS VERTICALES.

MT Type (2-Step Release System)



This model has individual vacuum generators for each pad.
It gives maximum vacuum power and safety feature.
Separate vacuum indicators show the condition of each suction pad.
You can easily check the vacuum level through the indicators.
It has 2-Step releasing system : 1st unlock the vacuum then 2nd release the glass
Recommended for horizontal water jet machines.

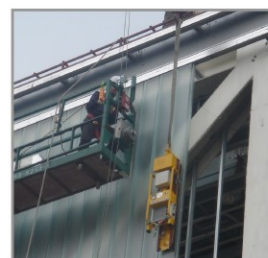
ESTE MODELO TIENE GENERADORES DE VACÍOS INDIVIDUALES EN CADA ALMOHADILLA. OFRECE LA MÁXIMA POTENCIA DE VACÍO Y UNA MEDIDA DE SEGURIDAD. INDICADORES QUE MUESTRAN LAS CONDICIONES EN CADA ALMOHADILLA. PUEDEN VERIFICAR FÁCILMENTE EL NIVEL DE VACÍO A TRAVÉS DE LOS INDICADORES. TIENE UN SISTEMA DE LIBERACIÓN DE 2 PASOS: PRIMERO, DESBLOQUEE EL VACÍO Y DESPUÉS PUEDE LIBERAR EL VIDRIO. RECOMENDADO PARA MAQUINAS HORIZONTALES DE CHORRO DE AGUA.



KSHSN-50404

Battery Power Vacuum Lifter

- * Specification & Function
- 1. Power supply : DC 12V (Lifter)
(Battery Charger 220V)
- * 12V 18Amp Battery works 8 hours in 20°C
Normal recharging time : 8 hours
- 2. 90° manual tilting and 180° manual rotating lifter
(90° to left and 90° to right rotating)
- 3. Sliding valve control or push button system
for suction and releasing.
- 4. 240mm Rubber Pad (Inline pad arrangement)
(Good for flat and curved glass)
- 5. Max.Capacity : 320 Kg
- * Ideal for narrow and medium size glass work
- * Extra Safety feature(option)
Low Vacuum Sonic and visual alarm

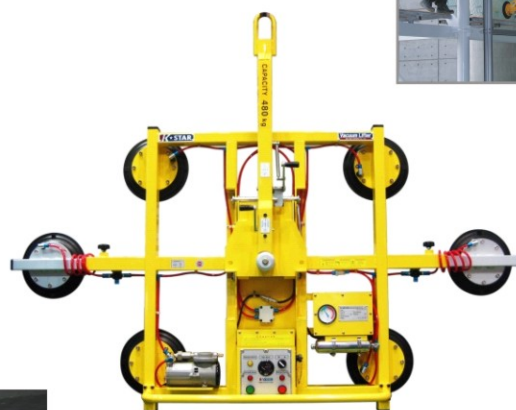


- 5. Max.Capacity : 480 Kg
- * Ideal for construction site work.
- * Extra Safety feature(option)
Low vacuum sonic and visual alarm

KSHSN-50606

Battery power Vacuum Lifter

- * Specification & Function
- 1. Power supply : DC 12V (Lifter)
(Battery Charger 220V)
- * 12V 18Amp Battery works 8 hours in 20°C
Normal recharging time : 8 hours
- 2. 180° manual rotating lifter
- 3. Arm sliding function (2 pads) enables to
handle different sizes of glass with one lifter.
- 4. 240mm Rubber Pad
(Good for various size of glass)



KSHA-50606 Vacuum Lifter for Forklift

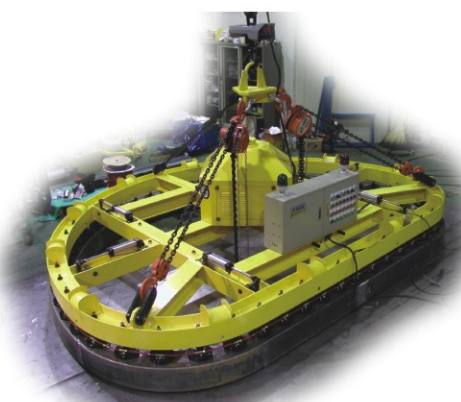
Attachable Wireless Vacuum Lifter

- * Specification & Function
- 1. Power supply : DC 12V (Motor)
AC 220V (Recharger)
- 2. Construction work with a folk lift car
- 3. Wireless remote control or push button system
for suction and releasing.
- 4. Max.Capacity : 480 Kg (240mm Pad)
- 5. Sliding Pad : 4 pads
- 6. Vertical Pad setup
- * Ideal for glass installation with window frames

KSHD-9000

Heavy Duty Lifter

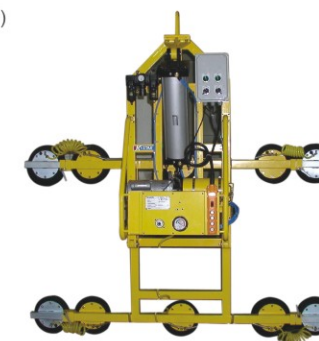
- * Specification & Function
- 1. Power supply : AC 220V 3P (Motor)
- 2. Large and heavy object lifting work
- 3. Wire remote control or push button system
for suction and releasing.
- 4. Max.Capacity : 8,000 Kg (140mm Pad)"
- 5. Shock absorbing suspension system
- 6. Low vacuum warning alarm
- 7. Automatic vacuum sustaining system
- 8. Automatic alignment system
- * Ideal for heavy industry



KSPT-40710

Pneumatic 90° Tilting Vacuum Lifter

- * Specification & Function
- 1. Power supply : AC 220V (Motor)
Pneumatic Power (Tilting Cylinder)
(Compressor sold separately)
- 2. Output side of tempering furnace use
- 3. Wire remote control or push button system
for suction and releasing.
- 4. Max.Capacity : 800 Kg (240mm Pad)
- 5. Sliding Pad : 4 pads
- 6. 90° Pneumatic tilting function
- * Ideal for tempering factory



KSMR-60704BC

Mini vacuum lifter with fast release

- * Specification & Function
- 1. Power supply : AC 220V 1P
- 2. 360° Manual Rotating frame
- 3. Light Aluminum Frame
- 4. 1/10 HP compressor (Fast Release)
- 5. 240mm Rubber Pad
- 6. Max.Capacity : 160 Kg
- 7. Push Button control or Valve system
for suction and releasing.
- * Ideal for fast and consecutive conveyor work.

Reverse tilting vacuum lifter

Designed for glass painting line with a conveyor table.
Glass sheet can be picked from the unpainted
bottom and reverse-tilted for A-rack.

- 1. Pneumatic system only
- 2. Extendable arms
- 3. Max. Capacity : 200 Kg



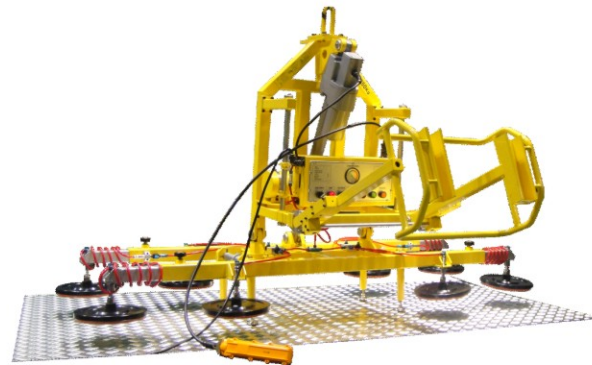
JUMBO VACUUM LIFTER - KSHL-30720

Horizontal only

- * Specification & Function
- 1. Power supply : AC 220V (Motor x 2ea)
- 2. Vacuum level type : Spring /Stroke 30mm
- 3. Fast release
- 4. 250mm vacuum pad x 20ea
- 5. Max. Capacity : 1,500kg



Vacuum Lifter



KSPT-40708E

Auto 90° Tilting Vacuum Lifter
by Electrical power

- * Specification & Function
1. Power supply : AC 220V (Motor)
Electrical Power (Tilting cylinder)
 2. Auto 90° tilting
 3. 300mm vacuum pads x 6ea
 4. Extension arms x 4 pads
 5. Max. Capacity : 800kg

* Ideal for steel & aluminum plate



WIND SHIELD LIFTER

KSHSN-R50604

For curved glass

- * Specification & Function
1. Power supply : DC 12V (Lifter)
(Battery charger 220V)
 2. 90° manual rotation
 3. Minimum Radius : 700R
 4. Max. Capacity : 200kg



JIB CRANE WITH AN EJECTER LIFTER

Pneumatic 90° tilting and 90° rotation

- * Specification & Function
1. Pneumatic power
Up & down stroke
Auto 90° tilting
Auto 90° rotation
 2. Max. Capacity : 250kg
 3. Option : Base with moving wheel, 4pcs

Jib crane installed at -IGU line



Jib crane -Maxi lifter

Light Rail System & Overhead Crane



LRS



Light Rail System can make heavy work load very simple and easy.
Minimal man power is used to operate this system.
You may be surprised how simple it is to use.



Light Rail System (LRS) becomes very efficient when it is installed with K-STAR vacuum lifters.

The picture shows an example of insulating glass (double glazing) manufacturing process with the "New Balance Lifter". It only requires compressed air to operate. No electrical power is necessary.



You can also use this heavy duty crane system.

We offer 3.0 Ton and 5.0 Ton crane system.

This is necessary when you move a crate of glass from a delivery truck.

Heavy Duty Glass

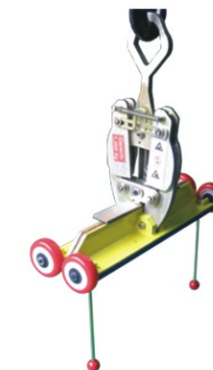
Lifting Plier

ALICATES DE ELEVACION DE VIDRIO
PARA TAREAS PESADAS

Max Capacity : 1,000kg

Model : KSGG819 for 8mm ~ 19mm

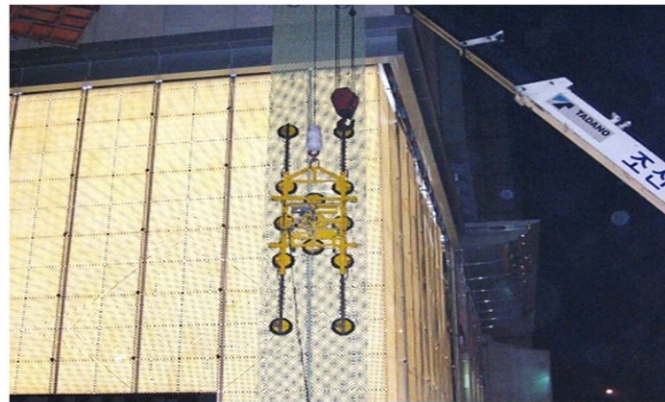
KSGG1945 for 19mm ~ 45mm



One crate lifting work with crane system



Jib crane with Horizontal vacuum lifter



Battery power vacuum lifter for construction



Crane with lifter



Overhead crane with LRS system



Vertical grinding machine with lifter



Cutting area



Suspension Crane (Before)



Suspension Crane (After)

Mega Size Material Lifter



30 Vacuum



Vacuum lifter for steel plates - 30ton
LEVANTADOR AL VACÍO PARA PLACAS DE ACERO - 30ton

Vacuum chuck can also be used with a power generator on the machine. Dual vacuum circuit is used for this model. Vacuum sensor detects in both pads and the main tank pressure.

EL CHUCK DE VACÍO TAMBIÉN SE PUEDE USAR CON UN GENERADOR EN LA MAQUINA. SE UTILIZA UN CIRCUITO DOBLE DE VACÍO EN ESTE MODELÓ. EL SENSOR DE VACÍO DETECTA LAS DOS ALMOHADILLAS Y LA PRESIÓN DEL TANQUE PRINCIPAL.



30 Magnet

Magnetic chuck for steel plates-30ton CHUCK MAGNÉTICO PARA PLACAS DE ACERO - 30ton

This model uses permanent magnets with manual on/off lever

Magnetic chuck can be used for steel plates with minimum 10mm thick

ESTE MODELÓ USA IMANES PERMANENTES CON UNA PALANCA MANUAL PARA ENCENDER/APAGAR LOS IMANES. EL CHUCK MAGNÉTICO SE PUEDE USAR EN PLACAS DE ACERO CON UN ESPESOR MÍNIMO DE 10mm.



Magnet chuck for steel plates
CHUCK MAGNÉTICO PARA PLACAS DE ACERO

Float glass cutting

The RUBI float glass cutting machines have been developed to offer exceptional cutting quality and very high performance, avoiding any contact with the upper side of the glass at all times to comply with the demanding recommendations of Low-E glass manufacturers.

There is a **specific solution** for each company, from independent and flexible cutting units to fully automated cutting lines with maximum efficiency and capacity for all types of glass sizes.

- Extremely robust structural design
 - Optimized air cushion
 - TFS Advanced Planimetry System
 - Aluminium board
 - Electronic glass squaring
 - Automatic glass thickness detector
 - Automatic cutting pressure regulation
 - Cutting bridge with guides on both sides
 - Cutting head with self-swivel cutting wheel
- Automatic glass remnants dimensions detector
 - Template scanner
 - Vinyl cut
 - Shape cutting
 - Double lubrication tank
 - Optimizer software
 - Remote Assistance
 - Advanced shapes editor
 - Compatibility with leading softwares

RUBI 303VA

- Automatic loading system
- Automatic positioning system
- Automatic evacuation system



RUBI 303BA

- Automatic loading system
- Automatic positioning system
- Automatic evacuation system



RUBI 306T

- Automatic loading system
- Manual positioning system
- Automatic evacuation system



Characteristics:

	RUBI 303BA	RUBI 303VA	RUBI 306T
· Maximum cutting size:	3700 x 2600 mm [146" x 103"]	3700 x 2600 mm [146" x 103"]	6100 x 3300 mm [241" x 130"]
· Maximum cutting speed:	210 m/min	210 m/min	210 m/min
· Acceleration:	15 m/s²	15 m/s²	15 m/s²
· Accuracy:	± 0,15 mm (0,006")	± 0,15 mm (0,006")	± 0,15 mm (0,006")
· Glass thickness:	2-25 mm (0,08"-1")	2-25 mm (0,08"-1")	2-25 mm (0,08"-1")

LAM 304



Characteristics:

- Maximum cutting size:
- 3700 mm (146")
- Glass thickness:
- 10+10 mm (0,37"+0,37")

The LAM laminated glass cutting machines offer a specific solution for every need, from semi-automatic independent units to fully automated cutting lines with maximum efficiency and capacity for all international glass sizes and thicknesses up to 10 +10 mm. The glass is never manipulated on the upper side so that the integrity of the low-emissive coating is fully guaranteed.

- Extremely robust structural design
- Optimized air cushion
- Break-out and separation system
- Aluminium board
- Automatic cutting pressure regulation
- Mechanical positioning system
- Monolithic glass cutting
- Low-E edge deletion
- Sequential operation menu
- Laser aid for the straight shape cuts
- Loading and unloading arms

Glass Rack System



Glass rack movement



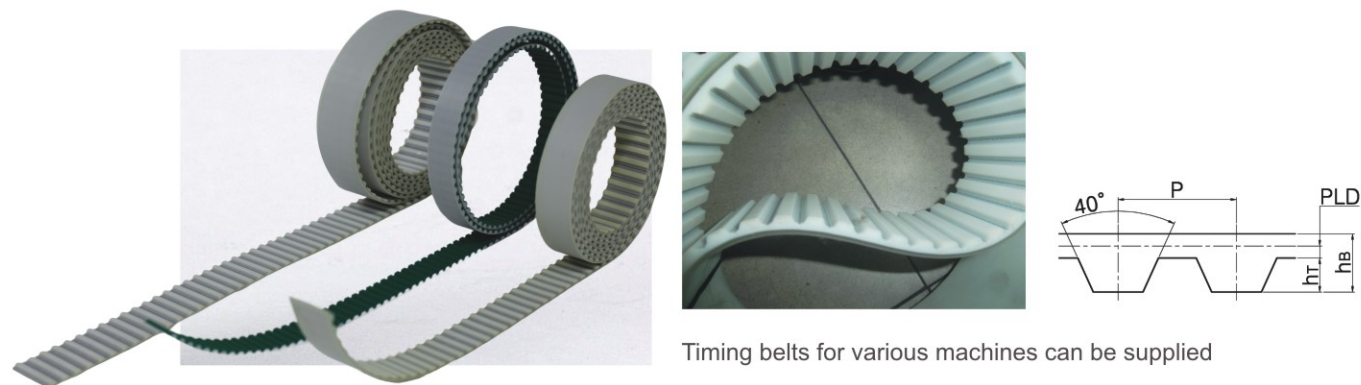
Glass rack system

Max. Glass width : 4.5m
Capacity : 4.5 ton/rack
14 Racks / 20ft container
Rack base : 200mm ~ 450mm



Glass rack with a crate

Timing Belt



Dressors and contact gauges

Various types of dressors and contact gauges can be customized

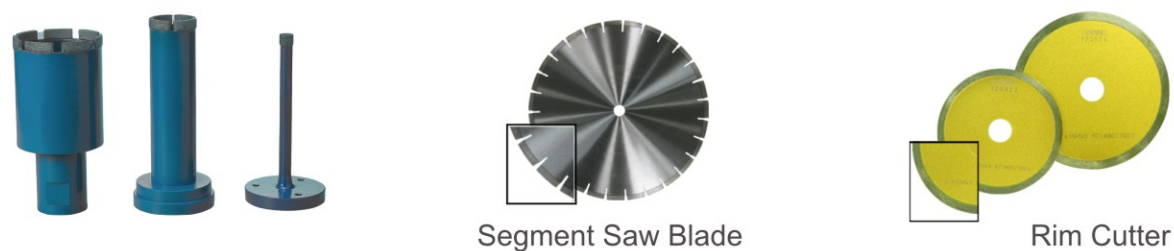


Adapters for core drills



Long drill bit mounts can be attached to normal length drills

Diamond drills for Refractories



Tempered glass shock testing device



Spear drills (Material : Tungsten carbide)



Sling belt

