

TLC Summit® Gen-5 High-Precision Mechanical Glass-Cutting Machine

Proudly made in the USA

The **TLC Summit® Gen-5** is designed and built to meet current market which demands scribing large specialty thin flat glass substrates. The machine is easy to use, simple to maintain and is extremely versatile. Close-tolerance scribing quickly produces pristine afterbreak edge quality and high throughput yields. The 46 in. x 58 in./ 1160 mm x 1460 mm cutting stage allows unobstructed surface load/unload and simple integration into automated or robotic production lines. It will cut single sheet/laminated thin flat substrates into rectilinear (X-Y), multilinear (hexagon, trapezoid, parallelograms), circular (circle, oval) and curvilinear (D-shape, filet-corner rectangle) parts. Two adjustable air pressure gauges control cutting and a float/vacuum stage to hold substrates in place for more precise consistency in the scribe/break process. The unique TLC rotating cutting head incorporates a CCD camera for quick, repeatable targeting of fiducials and on-stage measurement and inspection. TLC custom software allows scribe programs to be written and adjusted by the operator. Almost any shape can be scribed with the standard AutoCAD® .dxf conversion program. The machine is ideal for cutting large flat-screen TVs, digital signage, optical components, touch screens, and LCDs/FPDs. The machine is setting new global standards for highly-reliable precision glass processing. The **TLC Summit® Gen-5** is an affordable accurate large glass panel cutting equipment investment.



Key Features:

- Handle up to Gen 5.5 size ultra-thin glass substrate
- Auto CAD® program for fast set-up of shape cutting
- CCD camera incorporated in the cutting head for fiducial alignment
- On-stage measurement and inspection
- Adjustable home position to reduce travel cycle time
- Simple maintenance and easy operation

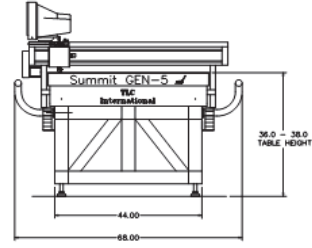
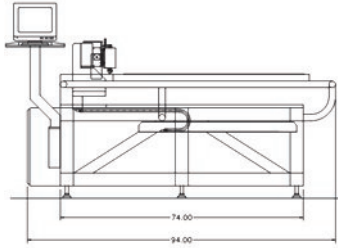
Scribing Application:

- Large 3D/HD TV Panel
- Computer/Laptop/Tablet Display
- Touch Screen Glass
- Cover Glass
- Ruggedized /military display
- Avionic cockpit Display
- Most flat glass substrates from major glass manufactures



TLC Summit Gen-5[®] High-Precision Mechanical Glass-Cutting Machine

Affordable Accuracy...SHAPING the next generation!



SPECIFICATIONS	ENGLISH	METRIC
Number of cutting heads	One (1) rotating	One (1) rotating
Cutting head motion	X-Y (dual-direction) and SHAPES	X-Y (dual-direction) and SHAPES
Stationary stage (does not rotate)	46 in. x 58 in.	1160 mm x 1460 mm
Easy load/unload	Unobstructed surface	Unobstructed surface
Operating system	PC Windows [®] -based computer	PC Windows [®] -based computer
Drawing program interface	AutoCAD [®] / AutoCAD [®] Lite	AutoCAD [®] / AutoCAD [®] Lite
Program capability	Unlimited	Unlimited
SCRIBE ACCURACY		
Rectilinear	± 0.002 in.	± 0.0508 mm
SHAPES	±0.003 in.	± 0.0762 mm
SCRIBE SPEED		
X-Y	0.00" – 30.0" per second	0.00 mm – 762 mm per second
SHAPES	Dependent on shape and size	Dependent on shape and size
SUBSTRATE (SINGLE SHEET/LAMINATE)		
Maximum size	46 in. x 58 in.	1160 mm x 1460 mm
Maximum thickness	0.008 in. – 0.200 in.	0.20 mm – 5.00 mm
UTILITIES REQUIRED		
Electrical	220V, 50/60 Hz., 15 A	220V, 50/60 Hz., 15 A
Vacuum	Included	Included
Air/nitrogen	100 lbs. /sq. in. / 8 cfm.	7.033 kgs. /sq. cm. / .25 cmm
DIMENSIONS/STAND ALONE		
Machine (L x W x H)	68 in. x 94 in. x 38 in.	1727 mm x 2388 mm x 965 mm
Computer/stand (L x W x H)	24 in. x 24 in. x 38 in.	609 mm x 609 mm x 965 mm
DIMENSIONS/CRATED		
Machine (L x W x H)	72 in. x 108 in. x 60 in.	1828 mm x 2743 mm x 1524 mm
Computer/stand (L x W x H)	48 in. x 48 in. x 48 in.	1219 mm x 1219 mm x 1219 mm
SHIPPING WEIGHT/CRATED		
Machine	2200 lbs.	998 kgs.
Computer/stand	150 lbs.	68 kgs.

Specifications subject to change without notice.



TLC International

World Headquarters
Linden Corporate Center
9849 North 21 Avenue

Phoenix, Arizona 85021-1825 USA

Tel: +1 602 866-8208 • Fax: +1 602 866-8280 • Toll free USA & Canada: +1 866 TLC-INTL (852-4685)

www.tlcinternational.com