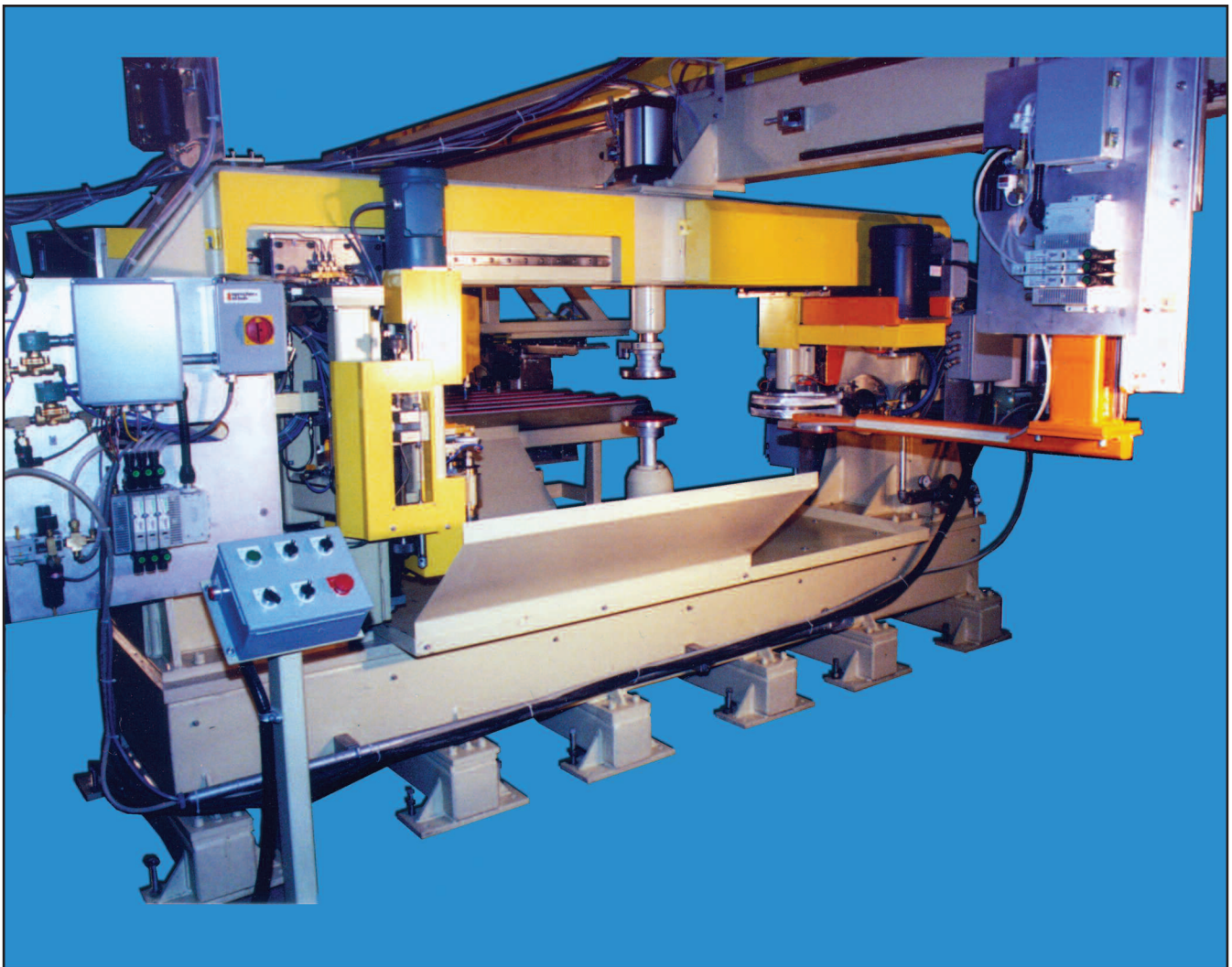


GLASSLINE

Hi-Tech Glass
Processing Equipment



CNC Combo Grinder/Drilling Machine

Glassline produces high quality CNC grinding and drilling equipment for various glass fabrication markets. We can customize a grinding or drilling system to suit the needs of every type of fabrication plant, whether it be for high volume or high-flexibility, automotive, appliance, furniture or otherwise.

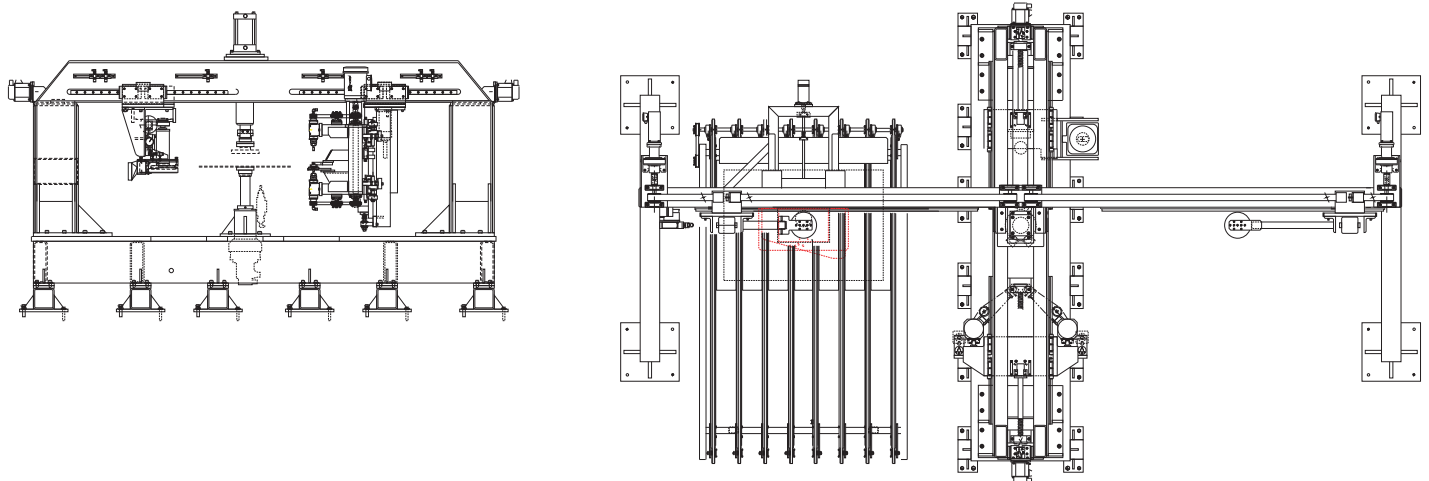
The Glassline Edger Model 6005-38 is an ingenious machine developed for the purpose of grinding and drilling medium and small size parts on the same machine. This eliminates the need to unload the grinder and then load the drills, which requires manpower and/or further automation costs, and can cause additional yield loss. The machine is perfect for manufacturers requiring multiple changeovers, and for those who desire less product movement and higher yields. The machine is much faster than other multi-process machines, because no tool change is required between grinding and drilling. The machine is built around the proven concepts of the Glassline D6005 CNC grinder and the D1059 air powered drill.

Glassline's proven polar style(2 axis) CNC shape grinder allows for grinding speeds up to 24 m/min. The machine is equipped with a clamp which allows grinding of very small shapes. The clamp can be deselected if desired to reduce cycle rate on larger parts. Coolant is collected by an efficient vacuum system. A vertical axis can be added for auto tool height adjust, or for multi-wheel use for beveling, polishing etc. An automatic grease lubrication system is provided.

Opposite the grinding spindle axis, is mounted the drill positioning axis. One or two drill pairs can be provided, allowing for up to two different hole sizes without the need for tool changes. Since the drills are themselves CNC positioned, the amount of holes that can be drilled is not limited. The rotary axis of the machine is used both as the 2nd axis of the grinder, and as the 2nd positioning axis for hole location. With Glassline's proven, highly accurate automatic referencing system and automatic load/unload shuttles, the system can be easily integrated into a complete line.

Technical Data

Maximum glass size:	65" using a 7 inch wheel(59" using a 10" wheel)
Minimum glass grind size:	4" using a 10" wheel
Glass thickness range:	3-6 mm
Maximum hole diameter:	45mm, larger sizes optional
Minimum hole diameter:	4mm, smaller sizes optional
Maximum misalignment:	.05mm(distance between top and bottom drill centers)
Throat depth:	14.5 inches @ 45 degree angle(part drawings should be provided)
Min. distance from clamp req:	2.5 inches(different clamps may be reqd. depending on glass size)
Axis speeds:	up to 40 m/min linear



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