



# Glass Master™ SG-420

## DUCT BOARD GROOVING MACHINE

### Spiral Duct Liner In Seconds

The Glass Master SG-420 Grooving Machine fabricates high quality fiberglass spiral duct in seconds, grooving duct board 40 to 50 times faster than standard hand cutting techniques. Four drive rollers and 3/4 hp motor provide the grip and power to quickly pull duct board through the 21 tools required to form spiral duct liner. The SG-420 also grooves board for square and rectangular duct.

The SG-420 spiral duct liner grooving tools utilize precision-ground and hardened blades, producing clean grooves and consistent dimensions. The tool set includes (19) - 18° Vee blades, (1) - 9° Flap blade, and (1) standard cut-off blade. Square and rectangular duct is grooved with SG-220 cutting tools. Quick release clamps on all tools allow for fast and easy adjustment.

### Features & Benefits

- Easily adjusted for different thicknesses
- Foot-actuated switch for safe operation
- Four swivel casters, two with brakes
- Durable powder coat finish
- 9 rollers



### MACHINE SPECIFICATIONS

|                     |                                      |
|---------------------|--------------------------------------|
| One Model Available | Glass Master SG-420 Grooving Machine |
| Height              | 49"                                  |
| Length              | 130"                                 |
| Depth               | 41"                                  |
| Weight: Approx      | 1,500 LBS.                           |

### ALSO AVAILABLE

Tool Sets with Blades  
for 1", 1-1/2" and 2" board

Board Support Arms  
(set of 3)

Catch Table

Tool Support Bar

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### Machine and Accessories

| DESCRIPTION                      | PART NUMBER |
|----------------------------------|-------------|
| SG-420 Grooving Machine          | 645937      |
| Spiral Duct Tool Set 1" & 1-1/2" | 208645      |
| Spiral Duct Tool Set 2"          | 208644      |
| Duct Board Support Arms          | 208864      |
| Catch Table                      | 208866      |
| Tool Support Bar                 | 208870      |
| Square Duct Tool Set 1"          | 208639      |
| Square Duct Tool Set 1-1/2"      | 208646      |
| Square Duct Tool Set 2"          | 208648      |



### TOOL HOLDERS AND BLADES

| DESCRIPTION                           | 1"     | 1.5"   | 2"     | CUT PROFILE |
|---------------------------------------|--------|--------|--------|-------------|
| Set of Tool Holders for Spiral Duct   | 208645 | 208645 | 208644 |             |
| Tool Holder w/ "18° V" Blade          | 208650 | 208650 | 208642 |             |
| Tool Holder w/ "9° Flap" Blade        | 208657 | 208657 | 208641 |             |
| Tool Holder w/ "SCO" Blade            | 208652 | 208652 | 208652 |             |
| Replacement Blade Set, Spiral Duct    | 208856 | 208856 | 208860 |             |
| Replacement Blade "18° V"             | 208820 | 208820 | 208840 |             |
| Replacement Blade "9° Flap"           | 208821 | 208821 | 208826 |             |
| Replacement Blade "SCO"               | 208816 | 208816 | 208816 |             |
| Set of Tool Holders w/ Blades A - E   | 208639 | 208646 | 208648 |             |
| Tool Holder w/ "A" Blade              | 208659 | 208669 | 208862 |             |
| Tool Holder w/ "B" Blade              | 208660 | 208670 | 208863 |             |
| Tool Holder w/ "C" Blade              | 208661 | 208671 | 208684 |             |
| Tool Holder w/ "D" Blade              | 208662 | 208672 | 208685 |             |
| Tool Holder w/ "E" Blade*             | 208663 | 208673 | 208686 |             |
| Tool Holder w/ "F" Blade              | 208665 | 208675 | 208688 |             |
| Tool Holder w/ "G" Blade*             | 208666 | 208676 | 208689 |             |
| Tool Holder w/ "SCO" Blade            | 208678 | 208678 | 208678 |             |
| Tool Holder w/ "45° V" Blade          | 208668 | —      | —      |             |
| Tool Holder w/ "90° V" Blade          | —      | —      | 208691 |             |
| Triangle Tool ("E", "F" & SCO Blades) | —      | 208680 | 208692 |             |
| Replacement Blades Set, A-E w/ SCO    | 208854 | 208854 | 208858 |             |
| Replacement Blade "A"                 | 208739 | 208780 | 208802 |             |
| Replacement Blade "B/D"               | 208730 | 208771 | 208804 |             |
| Replacement Blade "C"                 | 208727 | 208768 | 208807 |             |
| Replacement Blade "E"*                | 208764 | 208786 | 208810 |             |
| Replacement Blade "F"                 | 208725 | 208766 | 208812 |             |
| Replacement Blade "G"*                | 208733 | 208774 | 208814 |             |
| Replacement Blade "SCO"               | 208790 | 208790 | 208790 |             |
| Replacement Blade "45° V"             | 208752 | —      | —      |             |
| Replacement Blade "90° V" (1 Pc)      | 208747 | 208792 | —      |             |
| Replacement Blade "90° V" (2 pc)      | —      | —      | 208749 |             |

\*Note: The "E" and "G" tools use a combination of the cut profile shown with an SCO blade.

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