Features

- Infinitely electronic variable spindle speed from 0 ~ 4,000 RPM
- Spindle runout within 50 millionths
- Dual range Inch/Metric quick change gearbox
- Electric variable feed control on carriage and cross slide
- Hardened and ground spindle mounted on high precision preloaded angular contact ball bearings
- Hardened and ground alloy bed ways
- Turcite-B slideway bearing surface between carriage and bed
- Automatic thread length control with fine adjustable stops to provide accurate threading
- Quick-action tool post slide for threading
- 5C collet closer standard
- 3 HP main motor (Yaskawa Inverter Drive)

*Some accessories shown on machine may be optional*
### SPECIFICATIONS 618EV5

**SPINDLE CAPACITY**
- With jaw chucks: 5" (127 mm)
- With expanding collets: 3" (76 mm)
- With round 5C collets: 1-1/16" (27 mm)
- With hexagon 5C collets: 7/8" (22 mm)
- With square 5C collets: 3/4" (19 mm)
- With step chucks: 1-1/16" to 6" (27 to 152.4 mm)

- Spindle nose diameter: Ø2.189" (Ø 55.6 mm)
- Spindle nose I.D. / O.D.: 5C / Chuck w/ 4° Taper
- Variable spindle speeds: 0 ~ 3,000 rpm for 6" 3-Jaw Chuck
  0 ~ 4,000 rpm for 5C Collet
- Hole through spindle: 1-1/4" (31.75 mm)
- Distance between center: 18" (457 mm)
- Swing over bed: 11" (280 mm)
- Swing over carriage: 9" (228.6 mm)
- Swing over cross slide: 6" (152.4 mm)
- Carriage power feed range: 5/16" ~ 7" (8 ~ 178 mm)
- Cross slide power feed range: 3/16" ~ 4" (5 ~ 102 mm)
- Cross slide travel: 6" (152.4 mm)
- Quick-action compound slide travel: 0.1" (2.5 mm)
- Compound slide travel: 3" (76 mm)
- Tailstock spindle diameter: Ø 1.358" (Ø 34.5 mm)
- Tailstock spindle taper: M.T. #2
- Tailstock spindle travel: 3-3/4" (95 mm)
- Coolant pump: 1/8 HP, 220V, 3PH
- Lead screw diameter: 1" – 8 thread per inch (25.4 mm)
- Main motor: 3 HP, 220V / 3PH (Single phase option available)
- D.C. feed motor: 110V, 70W
- Metric threads (mm) 36 kinds:
  0.275, 0.2875, 0.3, 0.325, 0.35, 0.375, 0.4, 0.4375, 0.45, 0.5, 0.55, 0.575,
  0.6, 0.625, 0.65, 0.675, 0.7, 0.75, 0.8, 0.875, 0.9, 1, 1.1, 1.15,
  1.2, 1.25, 1.3, 1.35, 1.4, 1.5, 1.6, 1.75, 1.8, 2, 2.5, 2.7
- Inch threads (TPI) 36 kinds:
  11, 11.5, 12, 12.5, 12.6, 12.7, 13, 14, 15, 16, 17.5, 18, 20, 22, 23, 24, 25, 26,
  27, 28, 29, 30, 32, 35, 36, 40, 44, 46, 48, 50, 52, 54, 56, 60, 64, 70, 72, 80, 100, 108
- Net / Gross weight: 1,826 / 2,222 lb. (830 / 1,010 kg)
- Machine packing dimension: 74" x 34" x 74" (1,880 x 864 x 1,880 mm)

*Specifications are subject to change without notice for further design improvements.*

### STANDARD ACCESSORIES
1. Variable frequency drive
2. 5C lever type collet closer
3. Tool holder
4. Tailstock
5. Coolant system
6. Leveling screws and pads
7. Manual and parts list

### OPTIONAL ACCESSORIES
1. Tool setting gage
2. 5C collet fixture plate
3. Chip and coolant shield
4. Vertical cut-off slide without cut-off blade
5. Steady rest
6. Follow rest
7. Face plate
8. Taper turning attachment
9. 6" zero-set 3-jaw chuck w/ back plate
10. 6" 4-jaw chuck w/ back plate
11. Four station turret
12. Micro carriage stop w/ indicator
13. 5C step chuck and closer
14. Halogen work light
15. 440V Frequency inverter conversion
16. MT #2 live center
17. Digital readout

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**MACHINERY SOLUTIONS, INC.**

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