

## MODEL E180.C2

Spinning at over 2100rpm, Visiport® electrical spin windows sling off coolant and chips for a perfect view into your machining environment. Productivity is increased while the need to stop and restart your machine is reduced. Operators can view setups and milling processes behind the safety window, eliminating the risk of bypassing machine interlocks.

The Visiport® electrical spin window installs using a unique surface-mount method, requiring no holes so as to maintain machine window integrity and user safety. On properly prepared surfaces, the VHB mounting adhesive has a bonding strength safety factor better than 20 to 1. The chemically strengthened glass of the disc assembly helps resist scratching. Motor assembly features integrated electronics with reverse polarity protection, 24v brushless DC motor, and instrument-rated bearing set. Steady state current draw 250mA (no coolant load), and 5Amp peak supply requirement.

Visiport® units work best with water-soluble coolants and light mineral oils. Made with the highest quality components for reliable operation, it also comes with a one year limited warranty.

### INSTALLATION

Visiport® spin windows may be installed in moving or fixed windows, and have a low 45mm profile compatible with the majority of machines. Unit should be installed from vertical to 30° from vertical position. Complete system contains the base unit, switchbox, motor assembly, small parts replacement kit, and installation manual. For machines without the necessary 24v 5Amp circuit, an optional 120w power supply is available. All systems require a power conduit and cabling.



### FEATURES & OPTIONS

- Sealed connection cavity with exit ports on sides and bottom.
- Flexible steel conduit or PUR tubing for harness routing (EO/EO2 optional).
- Terminal box with mechanical on/off toggle switch.
- Installs on glass or polycarbonate safety windows.
- Drainage features for high coolant volume applications.
- Dynamic braking to reduce inducted current.
- Diamond-like Carbon (DLC) coating option for maximum abrasion resistance.
- Light-weight aluminum construction.
- Mounting plate for easy installation and removal.

OVERALL DIAMETER	8 in (203 mm)
PROFILE HEIGHT	1.75 in (45 mm)
OVERALL LENGTH	12.375 in (315 mm)
WEIGHT	3.48 lbs (1.6 kg)
GLASS THICKNESS	.120 in (3 mm)
ADHESIVE CARRIER	Closed Cell Acrylic Foam
PEEL ADHESION	20 lbs/in (3.5 N/mm)
TENSILE ADHESION	140 lbs/in <sup>2</sup> (1.0 N/mm <sup>2</sup> )
DYNAMIC SHEAR ADHESION	80 lbs/in <sup>2</sup> (0.55 N/mm <sup>2</sup> )