



## KEY FEATURES:

- » High speed fully enclosed lens chamber
- » One dial controller with color 10.4" LCD touch screen
- » Small optical head to enhance patient communication and comfort
- » Record a full 21 point refraction and save to EMR
- » Automatic data input from pre-test instruments
- » Simultaneous color-coded cross cylinder
- » Up to 5 user defined personalized refraction programs ensures ease of use



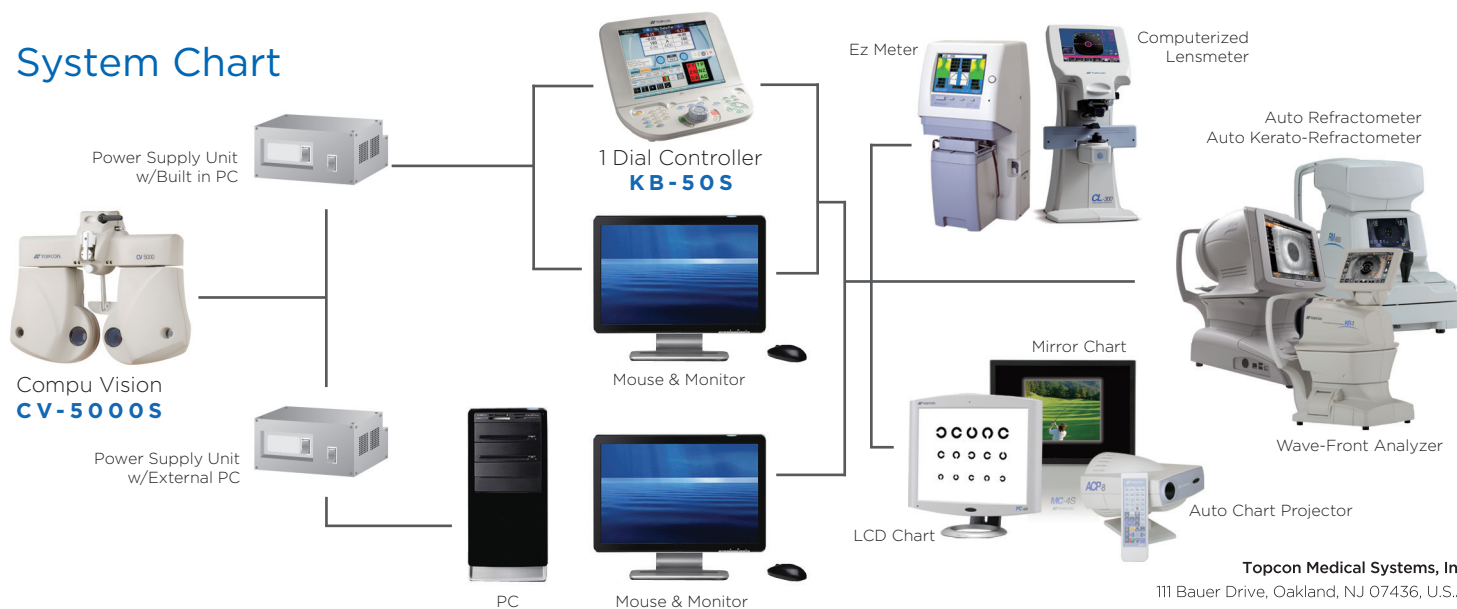
## Dimensions and Specifications

<b>Spherical Power</b>	<b>Measuring range</b>	+27.00 to -27.00D
	<b>Measuring step</b>	0.25D/1.00D/2.00D/3.00D
<b>Cylinder Power</b>	<b>Measuring range</b>	+8.00 to -8.00
	<b>Measuring step</b>	0.25D / 1.00D
<b>Cylinder Axis</b>	<b>Measuring range</b>	0° to 180°
	<b>Measuring step</b>	1° / 5° / 15°
<b>Prism</b>	<b>Measuring range</b>	0 to 20Δ (all directions)
	<b>Measuring step</b>	0.1Δ / 0.2Δ / 0.5Δ / 1.0Δ
<b>Pupillary Distance</b>	<b>Adjustment range</b>	48 to 80mm
	<b>Adjustment step</b>	0.5mm / 1.0mm
<b>Cross Cylinder</b>	<b>Jackson Cross Cylinder</b>	±0.25D/ ±0.50D
	<b>Auto Cross Cylinder</b>	±0.25D
<b>Test Lens (Aux Lens)</b>	Red-Green filter, Polarizing filter (45° / 135°, Circular Polarizing filter <sup>1</sup> ), Prism (6Δ / 10Δ), Red Maddox (horizontal / vertical), Lens for retinoscopy (+1.5D / +2.0D), Cross cylinder for measuring presbyopia (±0.50D), Occluding plate, Pinhole, and Cross hairs glass.	
<b>Reference Eyeglass Wearing Distance</b>	12mm, 13.75mm, 16mm, 18mm, 20mm	
<b>Convergence</b>	Near-point distance 40 / 67cm (minimum pupillary distance at near-point 40cm convergence : 53mm)	
<b>Forehead Rest Adjustment Range</b>	15mm	
<b>Dimensions &amp; Weight</b>	<b>Measuring Head (Non-arm Mounted Type)</b>	294-328mm (W) x 115mm (D) x 261mm (H) 4.0kg
	<b>Measuring Head (Arm-mounted Type)</b>	294-328mm (W) x 115mm (D) x 324mm (H) 4.6kg
	<b>Power Supply Unit W/External PC</b>	276mm (W) x 197mm (D) x 117mm (H) 2.7kg
	<b>Power Supply Unit W/Built-in PC</b>	276mm (W) x 197mm (D) x 117mm (H) 3.9kg
	<b>1 Dial Controller</b>	300mm (W) x 250mm (D) x 200mm (H) (MAX) 2.3kg

1. The combination of the polarizing filter must be one of the following: 45°/135° and 135°/45° or 45°/ 135° and circular polarizing filter.

\* Specifications and appearance are subject to change without advance notice for the product improvement.

## System Chart



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