

# Marco EPIC-6100

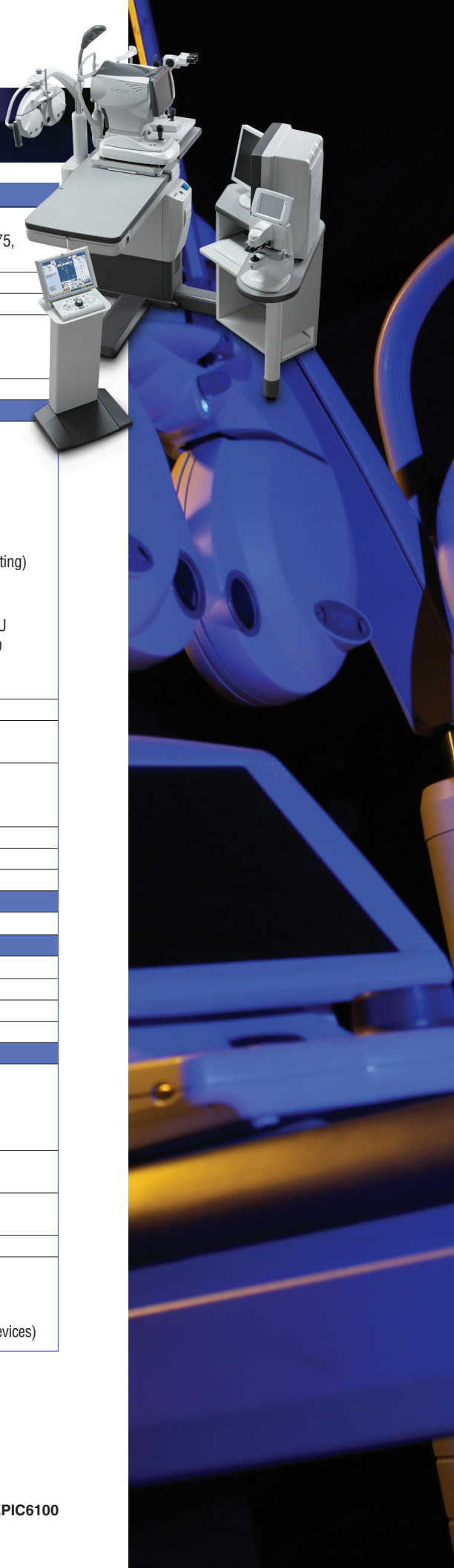
# REFRACTION WORKSTATION

NEW



- All components of the refraction process combined for peak efficiency
- Multiple ARK/NCT/OPD & LM configurations for ultimate customization
- Optional second table adds an additional device, including the Ultra M series Slit Lamps with ION Imaging
- Tilt screen & angled refractor head allows realistic near testing
- OPD Wavefront maps displayed for more effective diagnostics & patient education
- Fully connected exam capability in a 5' x 6' footprint

# EPIC-6100 REFRACTION SYSTEM SPECIFICATIONS



MEASUREMENT RANGE	
<b>Spherical Power</b>	-29.00 to +26.75 D (0.12, 0.25, 0.5, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25, 2.50, 2.75, 3.00 D increments)
<b>Cylindrical Power</b>	0.00 to ±8.75 D (0.25, 1.00, 2.00, 3.00 D increments)
<b>Cylinder Axis</b>	0 to 180° (1, 5, 15° increments)
<b>Pupillary Distance</b>	Distance PD: 48 to 80 mm Near PD (35 cm): 50 to 74 mm Full convergence Distance PD: 54 to 80 mm
<b>Prism</b>	0.00 to 20.00 (0.1, 0.5, 2 increments)
REFRACTOR HEAD	
<b>Auxiliary Lens</b>	Cross cylinder : ±0.25D, ±0.50D, ±0.25 D auto cross Occluder Pinhole: 2.0 mm in diameter Color filter: Right red, Left green Polarizing filter: Right 135° / Left 45°, Right 45° / Left 135° Fixed cross cylinder: ±0.50 D Spherical lens for retinoscope: OD, +1.5D, +2.0 D (selectable by setting) Maddox rod (red): Right horizontal, Left vertical Dispersion prism (fixed): Right 6 BU, Left 10 BI Dispersion prism for binocular balance: Right 3-10 BD, Left 3-10 BU Dispersion prism for horizontal phoria: Right 3-10 BU, Left 3-10 BD Dispersion prism for vertical phoria: Right 5-15 BI, Left 5-15 BI Binocular open fogging: 0.00 to +9.00 D
<b>Near Gaze Distance</b>	350 to 700 mm (can be changed in 50 mm increments)
<b>Field of Vision</b>	40° (at VD = 12 mm) 39° (at VD = 13.75 mm)
<b>Pupillary Distance</b>	Distance PD: 48 to 80 mm Near PD (working distance of 35 cm): 50 to 74 mm Full convergence distance PD: 54 to 80 mm
<b>Forehead Rest Adjustment</b>	25 ±5 mm
<b>Vertex Distance Scale</b>	12, 13.75, 16, 18, 20 mm
<b>Horizontal Level Adjustment</b>	±2.5°
CONTROL BOX	
<b>Touch Screen</b>	10.4-inch color LCD
DIMENSIONS AND MASS	
<b>Refractor Head</b>	16.06 x 4.21 x 10.91" / 7.1 lbs
<b>Control Box</b>	10.23 x 9.06 x 8.15" / 4.6 lbs
<b>Relay Box</b>	7.44 x 8.7 x 2.87 / 3.1 lbs
<b>Printer</b>	3.98 x 3.39 x 4.76 / 1.3 bs
EPIC-6100 TABLE	
<b>Main Table</b>	
Dimensions	39" (W) x 20" (D) x 27" to 34" (H)
Drawer Space	28" (W) x 9.5" (D) x 2" (H) inside space
Vertical Movement	Motorized
<b>Refractor Head Lift Arm</b>	
<b>Vertical Movement Range</b>	25" to 37" from the top of the table
<b>Near Point Lamp</b>	
Light Source	White LED
<b>Full Dimensions &amp; Weight</b>	39" (W) x 62" (D) x 52" to 71" (H), 264.5 lbs
<b>Power Supply</b>	
Voltage	100 to 120 V AC
Frequency	50/60 Hz
Power Consumption	600 VA at maximum (including power consumption of connected devices)

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