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Timothy Planty, OD
Houston, Texas

All automated Marco technologies share data and integrate with leading EMR programs via Marco Connect software.
The EPIC refraction workstation from Marco helps you do just that.

Epic-5100 Refraction Workstation
to directly increase office productivity and patient flow.

The highly advanced EPIC refraction workstation is both user and patient friendly. The workstation demands effective use of your resources to increase operational efficiency, but also the quality of your life.

Today’s health care environment has never been so fast, so simple or so effective. With the EPIC, refraction has never been so fast, so simple or so effective.

Diagnostic decisions are faster, yet focus on data assessment, diagnosis and prescribing a final correction. Fast accurate refraction allows the operator to perform the refraction in 3-5 minutes. Now practice. The EPIC decreases work-up times to less than 10 minutes, allowing the operator to perform the refraction in 5-10 minutes. You can confidently delegate data gathering to your technicians and focus on data assessment, diagnosis and prescribing a final correction.

Ergonomic Design and Wide Visual Field

The digital refractor’s compact design is engineered for the operator and patient and ensures efficient and patient satisfaction has never been higher. And you have more time to spend as you like, for personal hobbies or patient care. Meanwhile, your staff is more efficient and profits increase.

From office productivity to patient care, to the bottom line, the EPIC raises not only the quality of your practice, but also the quality of your life.

EPIC Workup
Fast

UseR friendly

EMR Integration: The EPIC smoothly integrates with EMR, allowing you to efficiently transfer data from the examination to your patient database. This improves office productivity and assure a high level of confidence in managing important patient information, with the added benefit of elimination of transcription errors caused by manual data entry.

Unique operator “assist” function: This unique feature offers operators and opticians a function by making it possible for the technician to provide guidance and answer questions.

EMR Separation of glare testing and allows extra time to talk about lens choices and visual needs.

With 7 doctors and 14 technicians, I was always struggling to find a way for everyone to provide consistent refraction results, and for these results to be accurate. After implementing the Marco EPIC with OPD-Scan III, my problems were solved. The EPIC refraction results and the addition of the OPD-Scan III to the EPIC takes accuracy to a whole new level.

Marco’s EPIC workstation has empowered the staff by allowing them to do more with patients. Technicians conduct all the pre-testing and complete the refraction process with the patient. Typically, finishing the refraction now takes me several minutes per patient and allows extra time to talk about lens choices and visual needs.

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EPIC-5100 REFRACTION WORKSTATION

Save Time for What’s Most Important: Today’s healthcare environment demands efficiency of your resources to increase operational efficiency, while maintaining patient care, to maximize productivity. The EPIC refraction workstation from Marco helps you do just that.

The EPIC refraction workstation is today’s most innovative way to streamline operations, grow your business and fulfill your dreams. The EPIC design reduces set-up time to less than 10 minutes, allowing the operator to perform the refraction in 3-5 minutes. Now you can confidently delegate data gathering to your technicians and focus on data assessment, diagnosis and prescribing, allowing shift conversion.

Imagine Your Life Just Got Easier:
- Faster refractive assessments reduce patient wait times
- Increased focus on data assessment, diagnosis and prescribing
- More precise than ever
- Patient throughput has increased by 50-75%
- Diagnostic decisions are faster
- No transcription required
- Completed work-up times to less than 10 minutes
- Patient experience is improved
- EPIC decreases work-up times to less than 10 minutes
- Practice grows
- Increased profitability
- Faster, more effective
- You have more time
- More precision than ever
- Standardization of glare testing (both SSC-350 MCG and SSC-370 MCG)
- Cross-eyed refractors
- Glare and contrast sensitivity aids in cataract evaluation
- Lensmeters
- Glare and contrast sensitivity
- Standardization of glare testing
- Refraction workstation
- Marco’s EPIC refraction workstation from Marco helps you do just that.
- Faster work-up times
- Manual work-up
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The EPIC refraction workstation is today’s most innovative way to streamline operations, greatly enhance your business and fulfill your dreams. The EPIC design made-up times to less than 10 minutes, allowing the operator to perform the refraction in 5.5 minutes. Now you can confidently delegate data gathering to your technicians and focus on data assessment, diagnosis and prescribing, while retaining visual acuities

Imagine Your Life Just Got Easier:
Diagnostic decisions are faster, yet focus on data assessment, diagnosis and prescribing a final correction. You can confidently delegate data gathering to your technicians and spend as you like, for personal leisure or patient care. Meanwhile, your staff enjoys efficient and profit increases.

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Unique operator “assist” function: This unique feature offers operators and technicians the ability to provide smooth and accurate exams. It offers minimal guidance for examinations, making it possible for the technician to provide smooth and accurate exams. The EPIC refraction workstation from Marco helps you do just that.

The EPIC smoothly integrates with EMR, allowing you to efficiently transfer data from the examination to your patient database. This improves office productivity and maximizes a level of confidence in managing important patient information, with the added benefit of elimination of transcription errors caused by manual data entry.

Unparalleled Technology and Benefits:
- Ergonomic design is an integral part of the EPIC refraction workstation.
- Keratometry makes it easy to recognize lens vertex lines when the patient is properly positioned.
- Faster work-up times
- FNLM: 0.5 mins.
- OPD Scan III: 1.5 mins.

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**EPIC-5100 Refraction System Specifications**

**Measuring Range**

<table>
<thead>
<tr>
<th>Sphere</th>
<th>-29.00 to +26.75D (0.12D / 0.25D / 1D / 2D / 3D steps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder</td>
<td>0 to ±8.75 D (0.25D / 1D / 2D / 3D steps)</td>
</tr>
<tr>
<td>Axis</td>
<td>0 to 180° (1° / 5° / 15° steps)</td>
</tr>
<tr>
<td>PD</td>
<td>48 to 80mm (far vision)</td>
</tr>
<tr>
<td></td>
<td>50 to 74mm (near vision)</td>
</tr>
<tr>
<td></td>
<td>54 to 80mm (Far PD at which both batteries can converge)</td>
</tr>
<tr>
<td>Rotary Prism</td>
<td>0 to 20D (0.1 / 0.5 / 2D increments)</td>
</tr>
<tr>
<td></td>
<td>0 – 20D (0.5D, 1D, 2D steps)</td>
</tr>
<tr>
<td>Auxiliary Lenses</td>
<td>Occluder, Polarizing Lenses, Pin Hole (1mm), 10 base-in prism, Red Maddox Horizontal (right eye), 6 base-up prism, Red Maddox Vertical (left eye), Cross mark for P.D., Red Lens (right eye), .50 fixed cross cylinder, Green Lens (left eye), Retinoscopic Lens, (+1.5D, +2.0D)</td>
</tr>
</tbody>
</table>

**Refraction Distance for Near Vision**

- 350 to 700mm (50mm increments)

**Field of View**

- 40° (VD = 12mm)
- 39° (VD = 13.75mm)

**Forehead Rest Adjustment**

- 15mm

**Vertex Distance**

- 12-20mm (12, 13.75, 16, 18, 20mm)

**Horizontal Level Adjustment**

- ±2.5°

**Display**

- 8.4-inch color LCD with touch screen

**Power Supply**

- 100 / 120 / 230 V AC
- 50 / 60Hz

**Power Consumption**

- 600 VA

**Dimensions & Weight**

- **Main body**: 15.94 x 4.0 x 10.86” / 12.8” with bracket / 7.7 lbs.
- **Control box**: 8.66 x 8.1 x 7.87” / 4.2 lbs.
- **Relay box**: 7.63 x 8.93 x 2.83” / 8.8 lbs.
- **Printer**: 4.0 x 3.38 x 4.76” / 0.66 lbs.

**EPIC-5100 Table**

- **RT Arm**: Electromagnetic lock, fully moveable up/down and back/forth
- **Motorized Main Table**: Table top: 40.35 x 19.7 x 26.77 – 33.86” (stroke 7.1”)
- **Side Table (Fixed)**: Table top: 42.52 x 28.46 x 29.9”
- **Overall**: 42.52 x 60.7 x 61.2 – 72.83” / 352.7 lbs.

**Power Supply**

- 100 / 120 / 230 V ±10%, 50 / 60 Hz

**Power Consumption**

- 600 VA

**Additional Information**

- **Lensmeter Readings**
  - Unaided Acuities
  - Glasses Acuities
- **Subjective Values**
  - Auto Refractor Readings
  - Subjective Values
- **Keratometer Readings**
  - Measurement values are printed out for easy evaluation.
- **Phoria**
  - Divergence
  - Convergence
- **Near Acuities**
  - Near Phoria
  - Near Point of Convergence
  - Near Point of Accommodation
- **Negative Relative Accommodation**
- **Positive Relative Accommodation**

**Additional Information**

- All automated Marco technologies share data and integrate with leading EMR programs via Marco Connect software.

**Marco EPIC and the Marco Implementation Process**

As a solo Ophthalmologist, I had a patient flow problem. While I had the patient volume, I constantly found myself backed up, which was frustrating to me, but most importantly to my patients. The Marco EPIC Process corrected this for me. In fact, I corrected my patient flow...and increased it by 30%.

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Houston, Texas

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Teresa Fuentes, OD
Houston, Texas

Marco EPIC Implementation, Service, and Training

To assess whether the EPIC is the best match for your particular needs, we perform a thorough, complimentary analysis of your practice. This results in specific recommendations showing how the EPIC will improve your processes and productivity.

Marco provides comprehensive, hands-on training for your technicians and onboard you in critical technical support. Such in-depth and personal training, combined with the technological innovation of the EPIC, gives you advantages no other technologies can provide, which directly improve the bottom line.

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**EPIC-5100 Refraction System Specifications**

### Measuring Range

**Spheres**
- 0.00 to +19.75D (0.25D / 0.5D / 1D / 2D / 3D steps)

**Achats**
- 0 to +2.50D (4D / 2D / 1D / 0.5D steps)

**PC**
- 0 to +4.00D (2D / 1D / 0.5D steps)

**Fay**
- 0 to +4.00D (2D / 1D / 0.5D steps)

**Henry Frame**
- 0 to -1.00D (0.25D / 0.5D / 1D / 2D / 3D steps)

**Refracting Lenses**
- Outside: +0.50D, +0.75D, +2.00D
- Inside: +0.50D, +1.00D, +2.50D

### Refraction Distance for Near Vision

- 350 to 700mm (50mm increments)

### Field of View

- 40° (VD = 12mm)
- 39° (VD = 13.75mm)

### Forehead Rest Adjustment

- 15mm

### Vertex Distance

- 12-20mm (12, 13.75, 16, 18, 20mm)

### General Information

- **Horizontal Level Adjustment:** ±2.5°
- **Display:** 8.4-inch color LCD with touch screen
- **Power Supply:** 100 / 120 / 230 V AC ±10%, 50 / 60Hz
- **Power Consumption:** 120 V A

### Dimensions & Weight

**Main body**
- 15.94 x 4.0 x 10.86” / 12.8” with bracket / 7.7 lbs.

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### Overall

- 42.52 x 60.7 x 61.2 – 72.83” / 352.7 lbs.

### Power Supply

- 100 / 120 / 230 V AC ±10%, 50 / 60Hz

### Power Consumption

- 600 VA 12.4” (W) x 20.4” (D) x 22.8” (H) • 64 lbs

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- Convergence

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- Near Point of Convergence
- Near Point of Accommodation

**Negative Relative Accommodation**

- Positive Relative Accommodation

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Enabled me to not only streamline my patient flow, increasing my throughput by 29% (profits 25%), but also solved the age-old problems of bottleneck in the pretest area, different skill levels of staff, turnover, and reworks.

**Scott C. Green, OD**

**Jacksonville, Florida**

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