



Fully Assisted Refraction System for TS-610





FARS

Great strides with a small controller

The Fully Assisted Refraction System (FARS) is an optional kit for the NIDEK Tabletop Refraction System TS-610, used to determine the full correction by the patient's response based on objective data or glasses data input by the staff. The kit consists of a joystick controller and the Fully Assisted Refraction System application software. You can benefit from an easy and comfortable subjective refraction through NIDEK's established and reliable test algorithms, a voice-guided experience, and a patient-operated joystick control. This system brings the efficiency of the refraction and contributes to the improvement of the workflow and staff allocation in a facility. In addition, FARS enhances the user experience through a simple and fresh examination conducted independently by the patient. Transform your optometry scene greatly with a small controller.

Fully Assisted Refraction System



Which are clearer, letters on the red side or letters on the green side?

1 Fully Assisted Refraction System application

Testing proceeds according to the patient's responses, and the test progress and times are displayed on the Windows computer/tablet. A staff member can check the test status on the screen even if they do not accompany the patient.

2 Joystick controller

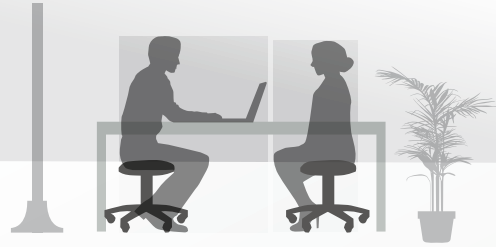
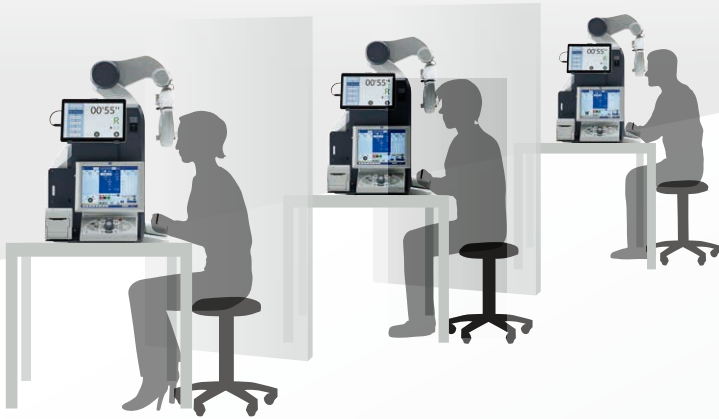
According to the voice guidance, a patient responds to questions with the joystick controller. When the patient has trouble with operations, they can inform the staff by pressing the help button.

Control console

A chart and a measurement value are shown on the control console as in the conventional measurement.



Dramatically *changing* the optometry landscape



Time-saving

Less waiting time, more opportunities. Uniquely-designed test algorithms reduce test times. Since each patient proceeds the test independently, a single staff member can cover multiple devices.



Fresh experience

FARS provides patients with a fresh user experience while maintaining the test accuracy.



Space-saving

FARS with the TS-610 contributes to the creation of more space by minimizing the examination footprint.



Potential maximization

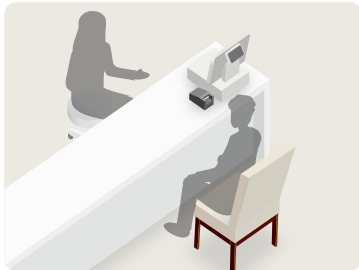
FARS supports effective staff allocation according to the facility's needs. Efficient refraction allows the facility to focus on patient consultation or value-added examinations.



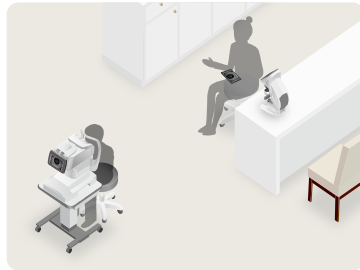
Operation flow with FARS



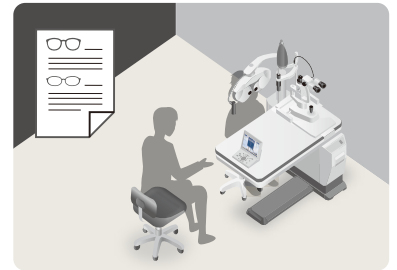
1 Reception



2 Objective data measurement / glasses data measurement

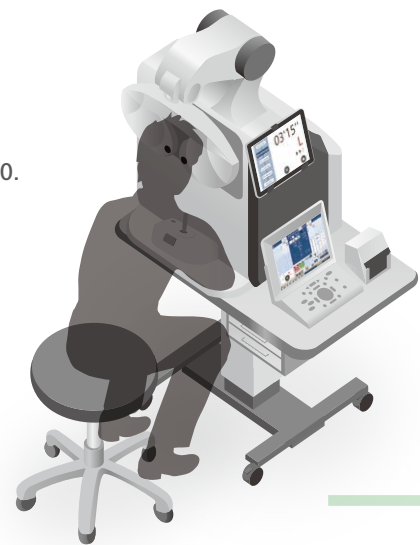


3 Final check/adjustment and eyewear prescription

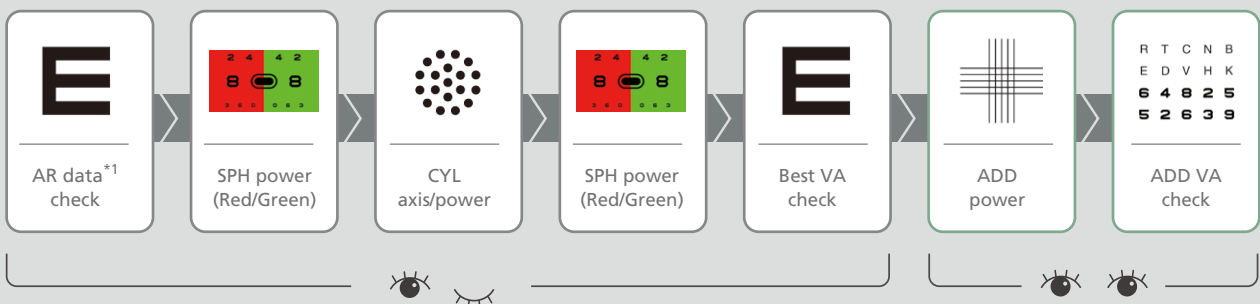


Patient determination of full correction using FARS

The staff member inputs objective data and/or glasses data to the TS-610. The patient proceeds with the subjective refraction and determines the full correction by using FARS. It is possible to switch to the one-by-one refraction whenever the patient has trouble with operations. FARS realizes highly reliable subjective refraction by test algorithms based on the TS-610.



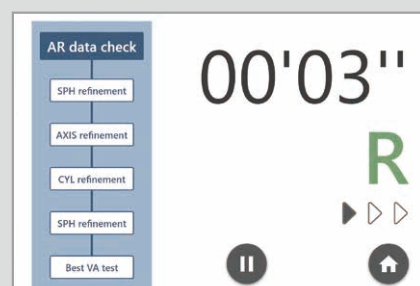
Test contents and flow



Based on the TS-610 examination program, FARS has suitable test contents.*2

*1 AR data means objective data or glasses data.

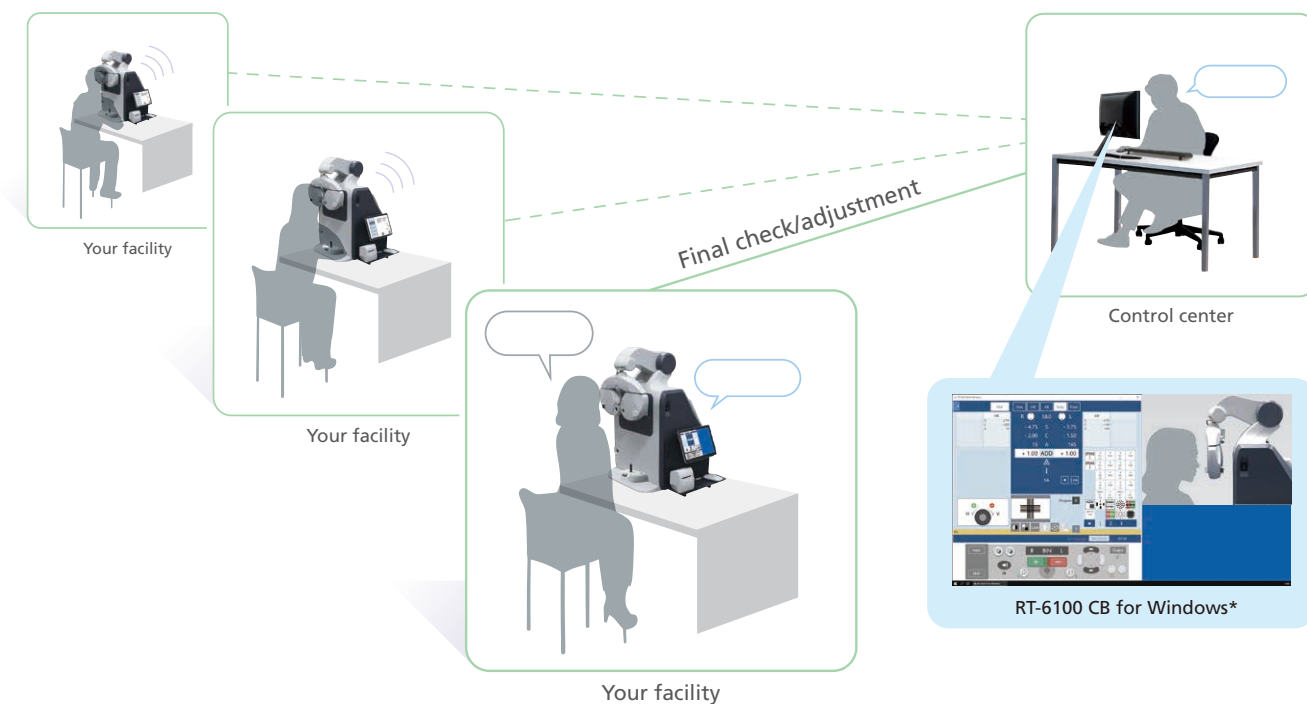
*2 The presented charts differ depending on the chart type of the TS-610.





Expanding possibilities with RT-6100 CB for Windows*

RT-6100 CB for Windows is an optional control software for the TS-610. This software delivers the comprehensive examination capabilities of the existing control console through a Windows computer. The eyecare professional provides the final check/adjustment from a different location after subjective refraction by FARS.



*Operation from a different location can be performed by remote operation of Windows computer. Functions or software necessary for remote communication are not included or sold with RT-6100 CB for Windows. The working environment and the specifications/performance of individual computers may impact software usability.

Fully Assisted Refraction System Specifications

Software	Fully Assisted Refraction System (installation CD)
Joystick controller	
Power supply	5 V DC
Power consumption	100 mA
Dimensions/mass	150 (W) x 100 (D) x 84 (H) mm (including answer lever (upright)) / 0.3 kg 5.9 (W) x 3.9 (D) x 3.3 (H)" / 0.7 lbs.
Voice guidance / Display language	English, French, Spanish, German, Chinese, Japanese
Standard accessories	Velcro tape, Quick reference guide
Compatible device	TS-610
Optional accessories	Control console tray, Tablet stand

Fully Assisted Refraction System Requirements

Operating system	Windows 10 (32-bit/64-bit) or Windows 11 (64-bit)
Display	Vertical/horizontal resolution: 1,920 x 1,080 pixels or greater
Disk device	CD-ROM drive (only for installation)
Other	Media player installed USB2.0: 1 port or more LAN (100BASE-T or higher): 1 port or more Audio output terminal (if necessary)



FARS with TS-610



Control console tray



Tablet stand

Product/model name: REFRACTOR RT-6100

The Fully Assisted Refraction System is optional for the Tabletop Refraction System TS-610. However, it is not functional alone.

Brochure and listed features of the device are intended for non-US practitioners.

Specifications may vary depending on circumstances in each country.

Specifications and design are subject to change without notice.

The computer and tablet described in this brochure as well as the functions or software necessary for remote communication are sold separately from the Fully Assisted Refraction System and RT-6100 CB for Windows.

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All LCD images are simulated.



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