



Fully Assisted Refraction System

FARS





Subjective refraction in the patient's hands, efficiency in yours

The Fully Assisted Refraction System FARS, designed for the Tabletop Refraction System TS-610*, determines the full correction based on patient response and objective data or spectacle data input. This system increases the efficiency of the refraction, improves staff allocation and clinical workflow. NIDEK's well-established "automation" technology allows delegation of refraction. Transform your optometry practice with a small controller.

Fully Assisted Refraction System

■ Delegation of subjective refraction achieved by:

- Special algorithm
- Step-by-step voice guidance
- Intuitive joystick controller

■ FARS kit

- 1 FARS application software
- 2 Joystick controller



Scan here for a FARS introduction video



*Product/model name: REFRACTOR RT-6100

Dramatically *changing* the optometry landscape



Fresh experience

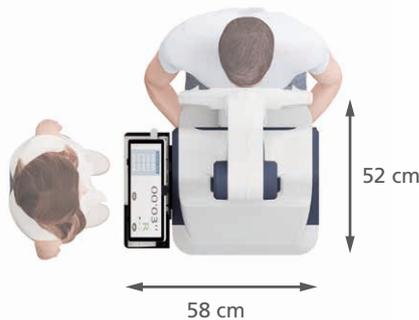
FARS provides patients with a fresh user experience while maintaining the test accuracy.

Time-saving

Less waiting time, more opportunities. Since each patient proceeds the test independently, a single staff member can cover multiple devices.

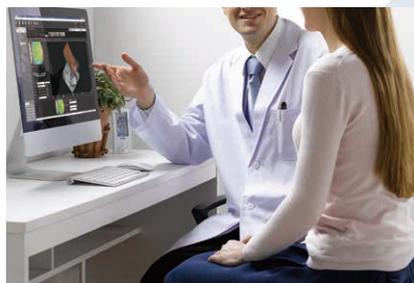
Space-saving

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



Potential maximization

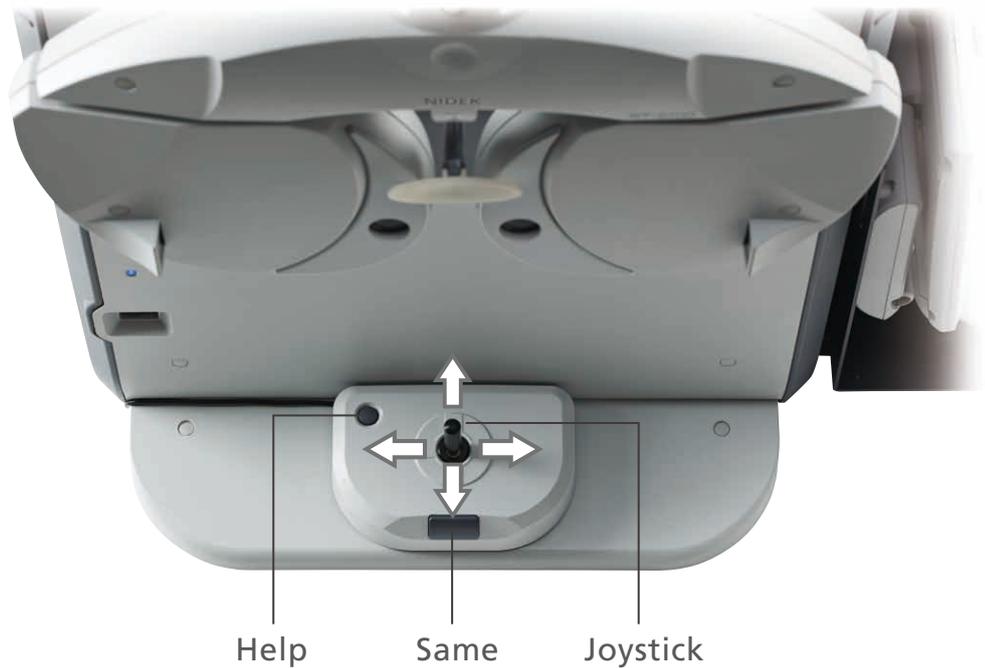
FARS supports effective staff allocation according to the facility's needs. Efficient refraction allows the facility to focus on patient consultation or value-added examinations.



Seamless operation for patients

Easy operation

Joystick and two buttons
“Same” and “Help”
—Patients follow the clear
voice guidance, operating
the controller to proceed
with the exam.



Multilingual voice guidance

Not just your language, but your patient’s languages too
—FARS talks to patients in multiple languages.
In addition to the nine preset languages, you can add
three languages of your choice*.



More language options for your region*

+

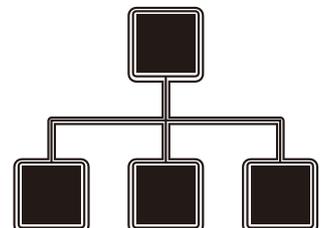
*Not all languages can be added. For the details, please contact your authorized distributor.

- Can you read these letters?
- ¿Puede leer estas letras?



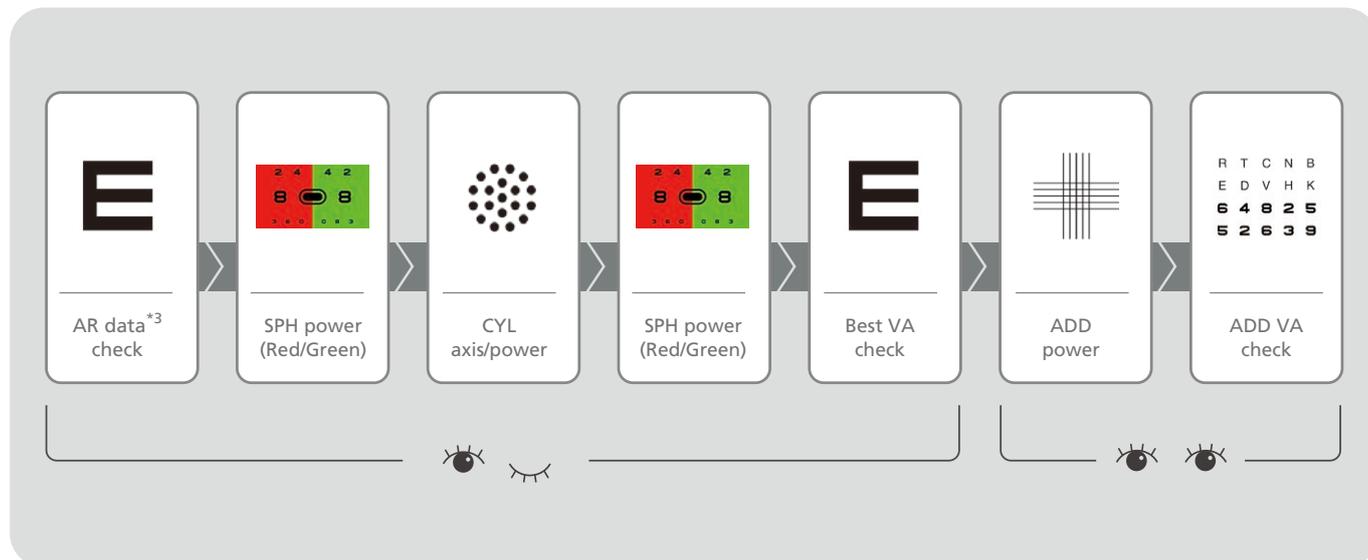
Effortless examination

A specially designed algorithm is integrated into FARS,
facilitating effortless patient response that ensures a
quick and seamless examination.



Test contents and flow

Based on the TS-610*¹ examination program, FARS has suitable test contents.*²



*1 Product/model name: REFRACTOR RT-6100

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

*3 AR data means objective data or glasses data.

Flexible options for smooth examinations

Pre-test setup and assistance

A staff member can select the eye to be tested, voice language, and patient age. The test progress and times are displayed, allowing them to check the test status. If needed, staff can pause the test and resume from a selected item.



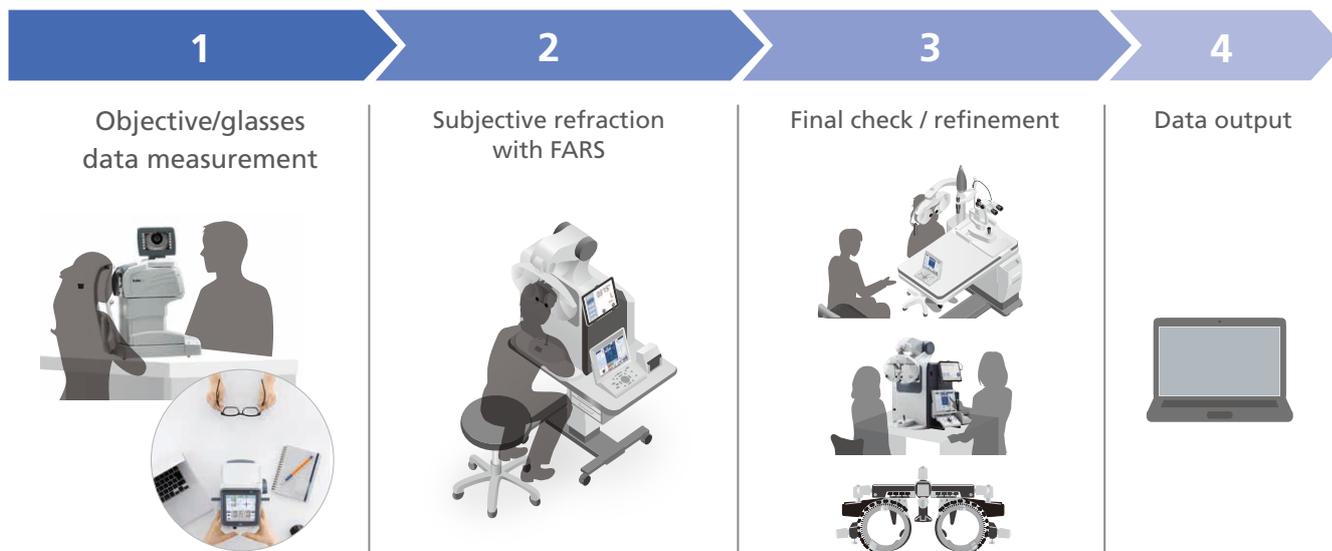
Quick switching to conventional mode

When patients are unable to proceed with subjective refraction by themselves or for the final check / refinement, a staff member can operate the TS-610* using the control console to perform a conventional refraction.



*Product/model name: REFRACTOR RT-6100

Workflow

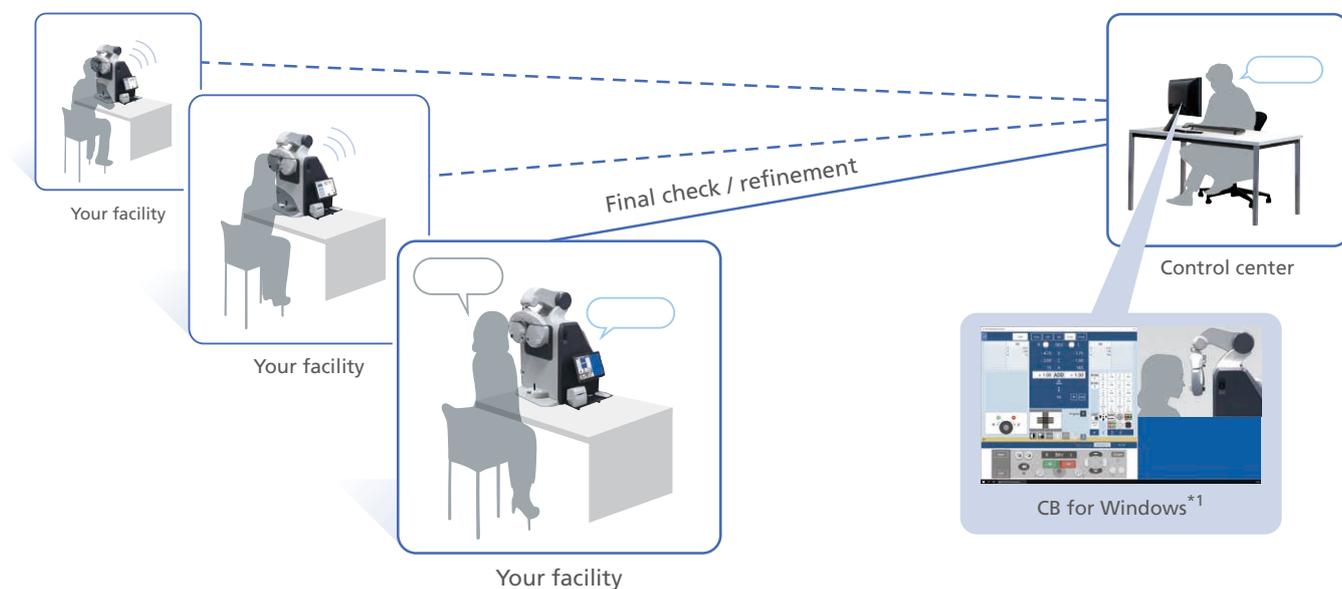


Intuitive display of outcomes

The test results are displayed in a simple format and can be used as a reference for the final check or refinement. It allows for a quick review of the necessary items, enabling efficient verification. During the final check with NIDEK refractors, comparison to the spectacle prescription is easily performed.

Expanding possibilities with CB for Windows*¹

CB for Windows is an optional control software for the TS-610*² and RT-6100. This software delivers the comprehensive examination capabilities of the existing control console through a Windows computer. The eyecare professional provides the final check / refinement from a different location after subjective refraction by FARS.



*¹ Operation from a different location can be performed by remote operation of the computer. NIDEK does not include or provide the functions or software necessary for remote communications. The working environment and the specifications/performance of individual computers may impact software usability.

Product/model name: REFRACTOR RT-6100

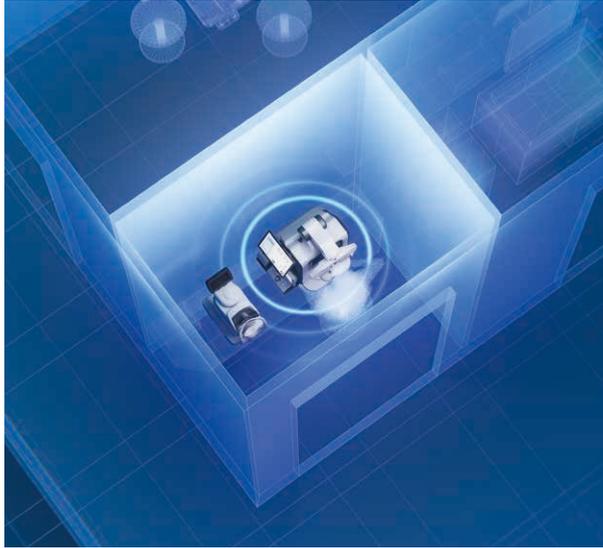
*² Product/model name: REFRACTOR RT-6100

FARS layout inspirations with ARK-F/AR-F

Scan here
for a FARS layout
inspirations video

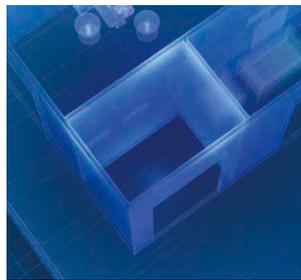


The combination of the space-saving FARS design and ARK-F/AR-F allows for flexible layout options.



Install in an unused space

You can utilize the available space to create second and third eye examination rooms.



Install in small refraction rooms with curtain

By using curtains to separate areas, you can add more refraction lanes even in limited space.



Stylish design perfectly fit in the frame area

You can create an exceptional frame area differentiated as a brand-new, luxury experience.

Product/model name: REFRACTOR RT-6100, AUTO REF/KERATOMETER ARK-F,
AUTO REFRACTOMETER AR-F, AUTO LENSMETER LM-7/LM-7P

Fully Assisted Refraction System FARS 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	English, French, Spanish, German, Portuguese, Italian, Chinese, Korean, Japanese, three additional languages*1
Display language	English, French, Spanish, German, Portuguese, Italian, Chinese, Korean, Japanese
Compatible device	TS-610*2
Optional accessories for the TS-610*2	Control console tray, Tablet stand, CB for Windows

Fully Assisted Refraction System FARS Requirements

Operating system	Windows 10 (32-bit/64-bit) or Windows 11 (64-bit)
Display	1,920 x 1,080 pixels or higher
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 the TS-610*2



Control console tray



Tablet stand

*1 Not all languages can be added. For the details, please contact your authorized distributor.

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

The availability of products differs from country to country depending on the status of approval.

Specifications may vary depending on circumstances in each country.

Specifications and design are subject to change without notice.

The FARS is an enhancement solution for the Tabletop Refraction System TS-610. The TS-610 is required for FARS.

The patient proceeds with the subjective refraction and determines the full correction by using FARS. Staff perform the final check/refinement.

The computer and tablet described in this brochure are not provided by NIDEK.

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All LCD images are simulated.

