



 Keeler

 e-SIGHT®

A four-in-one ophthalmic
ultrasound platform

4Sight

See it from every angle

A-Scan, B-Scan, UBM, and Pachymeter in one, easy-to-use platform

The 4Sight is made in the USA and has been designed with eye care professionals like you in mind! We understand the demands on today's busy clinics, and the 4Sight is designed to meet those needs. The A-Scan, B-Scan, UBM, and pachymeter have all been combined into one unit to eliminate wasted time switching modalities. The 4Sight is accurate, efficient, and affordable, making your job easier.

High-value work station

The 4Sight is your single solution for all of your ophthalmic ultrasound imaging – at an affordable price. Thanks to our team of diagnostic product specialists, we offer live help, dependable support, and in-person demonstrations for the life of the product. With industry leading clinical accuracy, the 4Sight unit is equipped with proprietary signal processing, unsurpassed image quality, and a printer compatibility feature.

Wonderfully efficient

Built with our Connect® software, the 4Sight is a touchscreen, easy-to-use interface for a rapid and smooth learning curve, along with easy data transitioning between probe modes. The software is also DICOM™ worklist compatible.



The 4Sight unit is doing so well, the eye clinic is very happy with it.
They say it works like a dream.”

Distributor, South Africa



Worry-free warranties

The 4Sight comes with a 3 year base warranty. Extended warranties are available upon request.



A-Scan



B-Scan



UBM



Pachymeter

Specifications

WEIGHT	3.18kg
DIMENSIONS	381mmH x 50.8mmD x 279.4mmH
SCREEN	Touchscreen
EXTERNAL CONNECTIONS	HDMI and ethernet
MODALITY WORKLIST	Integrated DICOM SM
USB	5 USB ports
PROBE CONNECTIONS	A-Scan and pachymeter
ITEM NUMBER	24-8000 4Sight

FOOT SWITCH

KEYBOARD

MOUSE

PACHYMETER

B-SCAN

UBM

A-SCAN

PROBE HOLDERS

INTUITIVE
USER INTERFACE
(TOUCHSCREEN)

KICKSTAND



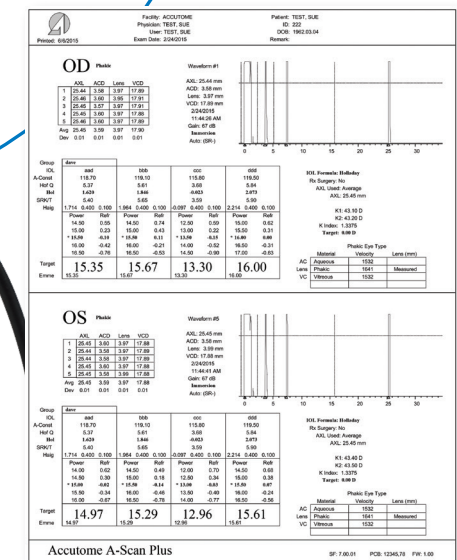
A-Scan



Efficiency is key

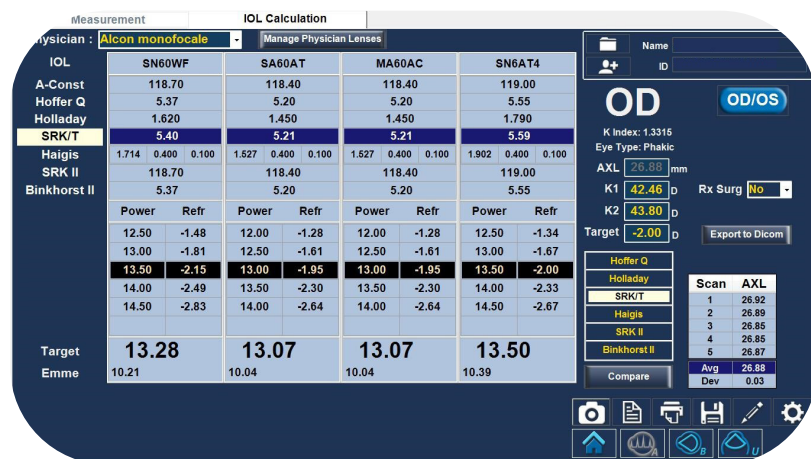
Features:

- Immersion and contact modes
- Industry-leading resolution
- User friendly interface
- Less patient chair time*
- Automatic alignment detection and sclera recognition: eliminate marginally aligned scans
- IOL formulas including the Hoffer Q, SRK/T, Holladay I, Haigis, SRK II, Binkhorst II, as well as new post-refractive formulas
- Customisable lens, ACD and VCD materials for new emerging implant/chamber materials
- Optimised lens constants for superior surgical outcomes
- Easy to set up defaults, smooth customer interface, and automatic EMR exports to decrease examination time, increase patient throughput, and increase profit
- Unlimited data storage, based on PC/network storage
- EMR capability with automatic transfer of data



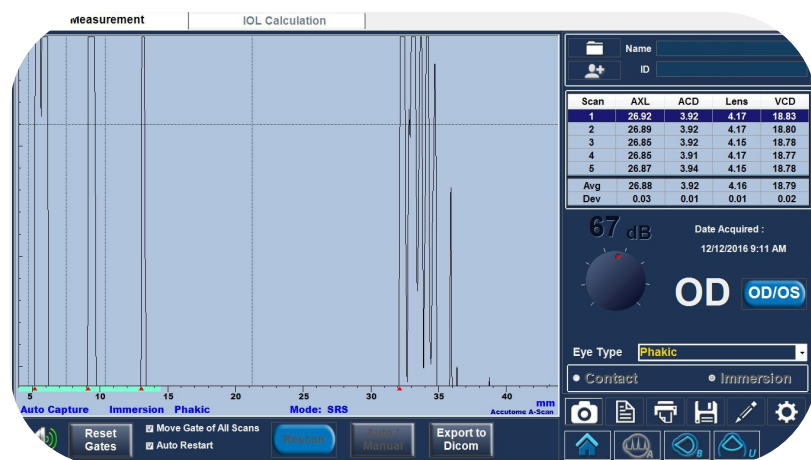
*When compared to original A-Scan Plus.

A-SCAN PDF REPORT



Improved efficiency

Easy-to-use interface for fast scan capture.



Trusted accuracy

Trusted reliability and accuracy with industry-leading resolution.

A-Scan module technical specifications

WEIGHT	2.23kg
DIMENSIONS	44.45mmL x 5.08mmW
METHODS	Immersion or contact
DEFAULT EYE TYPE SETTINGS	Phakic, Dense Cataract, Silicone Filled, Pseudo PMMA, Pseudo Silicone, Pseudo Acrylic, Aphakic
CUSTOM EYE TYPE SETTINGS	Unlimited with independent ACD, lens, VCD velocities
MEASUREMENTS	ACD, lens thickness, VCD, axial length
CAPTURE MODES	Automatic or manual
FREQUENCY	10MHz
ELECTRONIC RESOLUTION	0.016mm
CLINICAL ACCURACY	0.1mm
DATA POINTS PER WAVEFORM	4,096
MEASUREMENT RANGE	0.01–63.6mm
ADJUSTABLE GAIN	30–100dB
IOL FORMULAS	Hoffer Q, Holladay I, SRK/T, Haigis, SRK II, Binkhorst II
POST-REFRACTIVE FORMULA METHODS	Clinical history, Contact Lens, Shammas Clinical
IOL DATA STORAGE	Unlimited, based on PC/network storage
PATIENT DATA STORAGE	Unlimited, based on PC/network storage
DATA EXPORT	EHR compatible, network ready
PRINTER	Any supported by PC
ACCESSORIES	USB footswitch, CD containing A-Scan Plus Connect software and manual, test block

B-Scan Plus



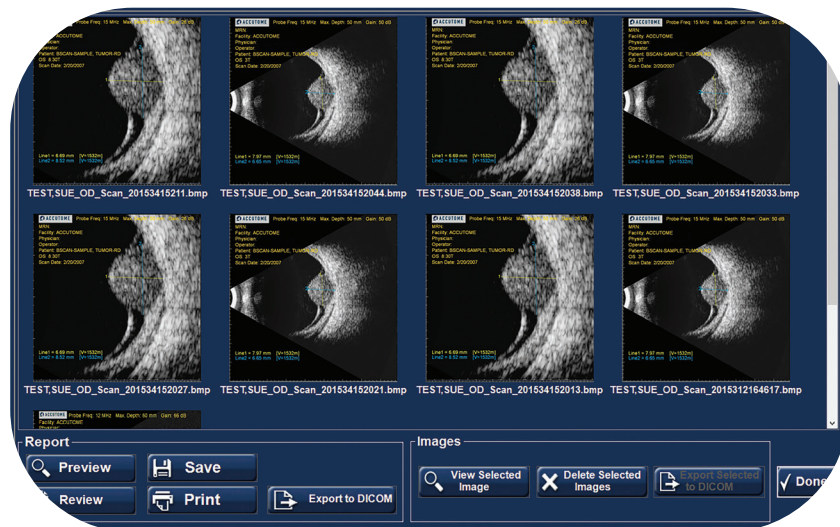
Posterior imaging

Features

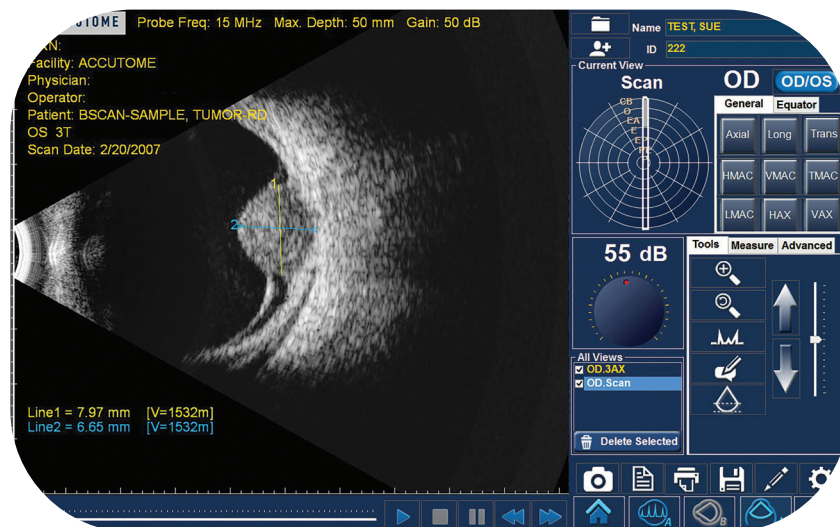
- Superior Image – 0.015mm image resolution is among the highest in the medical industry
- Improved probe providing shaper, more focused images due to the elimination of signal loss
- Unsurpassed data analysis contains 12 useful measuring calipers, including six lines, two areas, two angles, and two arrows
- “Smooth Zoom” technology allows for 2x full-image zoom without distortion of real-time or captured scan
- The portable probe plugs into the 4Sight and any Windows™ laptop or PC
- Adjustable film loops that range from 2 to 17 seconds
- Unlimited adjustable and transferable video recording
- Fully adjustable gain control before, during, or after scan
- Easy to set up defaults, smooth user interface, and automatic EMR exports to decrease examination time, increase patient throughput, and increase profit
- Unsurpassed compact file storage
- Multiple measuring velocities for ACD/VCD
- PDF reporting
- Archive data on a network or external hard drive



B-SCAN PDF REPORT



REPORT FUNCTION SCREEN



MEASUREMENT SCREEN

B-Scan module technical specifications

WEIGHT	0.17kg
DIMENSIONS	177.8mmL x 31.75mmW
FREQUENCY	12 or 15MHz
AXIAL RESOLUTION	0.015mm electronic
LATERAL RESOLUTION	0.085mm electronic
GAIN	0–112dB
ADJUSTABLE GAMMA	Linear, S-Curve, Log, Color
SCANNING ANGLE	60°
SAMPLING RATE	2,048 (points per line)
TIME GAIN CONTROL	Yes
ZOOM	2x optical zoom, 8x maximum
REPORTS	Integrated Microsoft Word
SNAPSHOT FORMAT	PDF, JPEG, PNG, GIF, TIFF, BITMAP
MAX. NUMBER OF FRAMES	256
SIZE OF CINE LOOP	16–128MB
MEASUREMENT CALIPERS	6 line, 2 area, 2 angle, 2 arrow



You have been so great and such a pleasure to work with time after time. Thanks for all you do to make my job easier and my budget spread further. ”

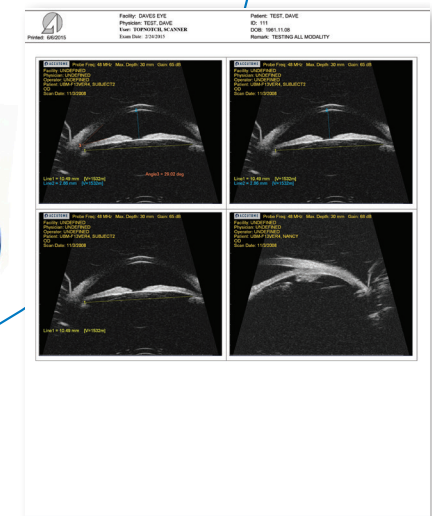
Administrator, Atlanta, Georgia USA

UBM Plus U

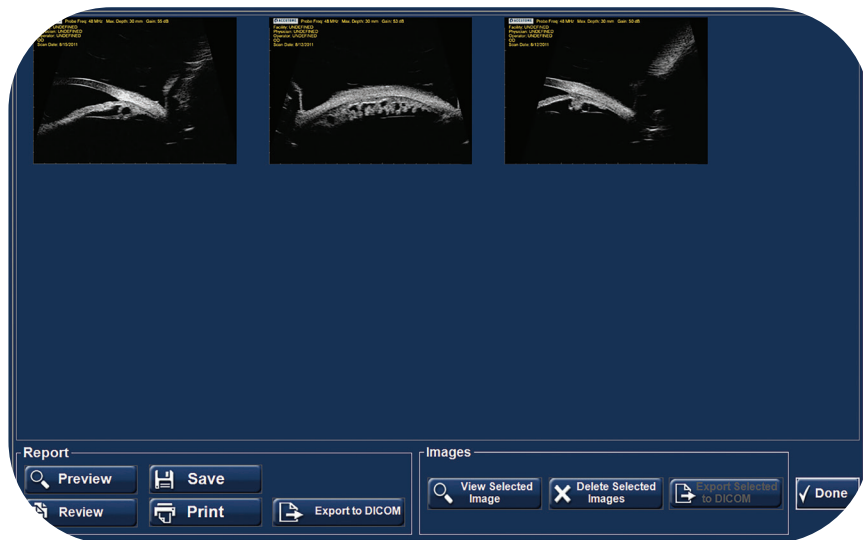
Anterior imaging

Features

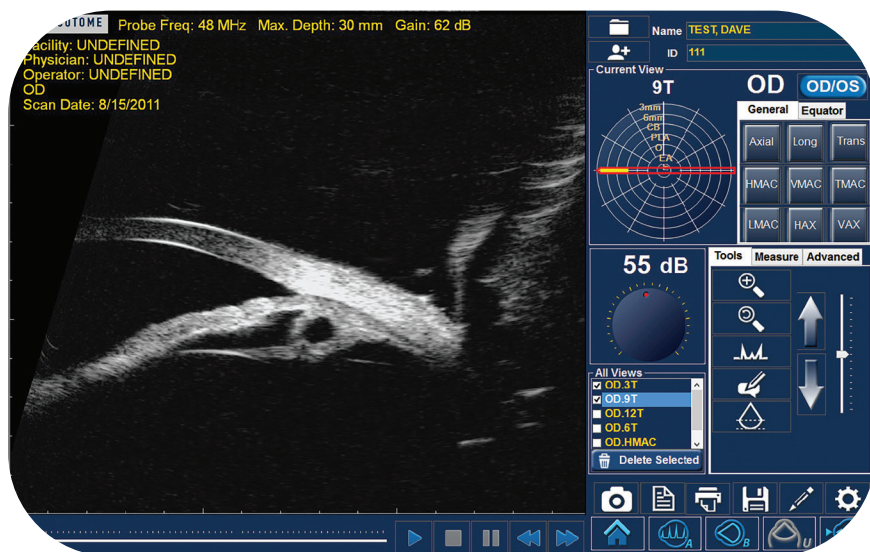
- High-definition imaging – Detailed structure definition, including cornea, iris, ciliary body, zonules, crystalline lens, and intraocular lens, as well as pathologies
- State-of-the-art probe design – Sharper, more focused images due to the elimination of signal loss
- Unsurpassed data analysis – Contains tools for measuring sulcus-to-sulcus, anterior chamber depth, positioning of intraocular lenses, and filtration angle of the eye
- Easy-to-set-up defaults, smooth, user-friendly interface, and automatic EMR exports that decrease examination time, increase patient throughput, and increase profit
- Adjustable video loop
- Protect your investment – Fully upgradeable software
- EMR compatible
- DICOM ready
- Multiple measuring velocities for ACD
- PDF reporting
- Fully adjustable gain control before, during, or after scan
- Data archive – Network or external hard drive



UBM PDF REPORT



REPORT FUNCTION SCREEN



MEASUREMENT SCREEN

B-Scan module technical specifications

WEIGHT	0.17kg
DIMENSIONS	177.8mmL x 31.75mmW
FREQUENCY	48MHz
AXIAL RESOLUTION	0.015mm electronic
LATERAL RESOLUTION	0.05mm electronic
GAIN	0–112dB
ADJUSTABLE GAMMA	Linear, S-Curve, Log, Color
SCANNING ANGLE	30°
SAMPLING RATE	2,048 (points per line)
TIME GAIN CONTROL	Yes
ZOOM	8x maximum
REPORTS	Integrated Microsoft Word
SNAPSHOT FORMAT	PDF, JPEG, PNG, GIF, TIFF, BITMAP
MAXIMUM FRAMES PER SCAN	256
MEASUREMENT CALIPERS	4 lines, 2 areas, 2 angles

Pachymeter



Features

- IOP correction calculation converts IOP measurements in seconds
- Innovative, easy-to-use interface
- Gentle-touch probe
- Accuracy +/- 5 microns
- 9 measurement areas per eye
- Increased workflow and efficiency
- Sampling rate of 65Mhz
- Digital signal analysis – Outstanding accuracy and repeatability
- PDF reporting

Pachymeter probe specifications

WEIGHT	19g
DIMENSIONS	44.45mmL x 5.08mmW x 2.5mm diameter
ACCURACY	+/- 5 microns
SAMPLE RATE	65 Mhz
MEASUREMENT RANGE	300-999 microns
IOP ADJUSTMENT	Automated



Facility: DAVES EYE
Physician: Dave
Exam: 10/11/2015
Exam Date: 2/28/2015

Patient: TEST DAVE
ID: 111
DOB: 10/11/2015
Remarks:

OD

Diagram of the OD (Right Eye) measurement area, showing a circle divided into 9 regions. The center region is labeled 1, and the surrounding regions are labeled 2 through 9. The measured IOP is 17.2 mm Hg and the adjusted IOP is 14.2 mm Hg.

Measured IOP : 17.2 mm Hg
Adjusted IOP : 14.2 mm Hg

Region 1

1	571
2	595
3	603
4	595
5	596
6	596
7	591
8	593
9	598
AVG	593

OS

Diagram of the OS (Left Eye) measurement area, showing a circle divided into 9 regions. The center region is labeled 1, and the surrounding regions are labeled 2 through 9. The measured IOP is 17.5 mm Hg and the adjusted IOP is 14.5 mm Hg.

Measured IOP : 17.5 mm Hg
Adjusted IOP : 14.5 mm Hg

Region 1

1	599
2	590
3	598
4	593
5	593
6	594
7	600
8	601
9	601
AVG	596

Region 7

1	586
2	587
3	589
4	590
5	593
6	593
7	594
8	599
9	600
AVG	593

Region 6

1	592
2	585
3	586
4	587
5	586
6	587
7	587
8	588
9	589
AVG	586

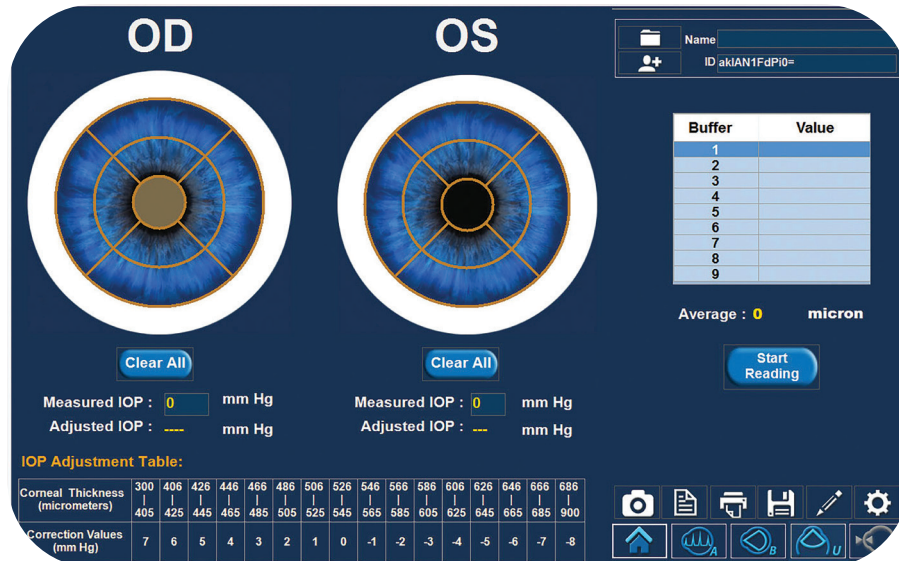
Accutome Pachymetry Report

SF: 1.00.00 Beta V1.6

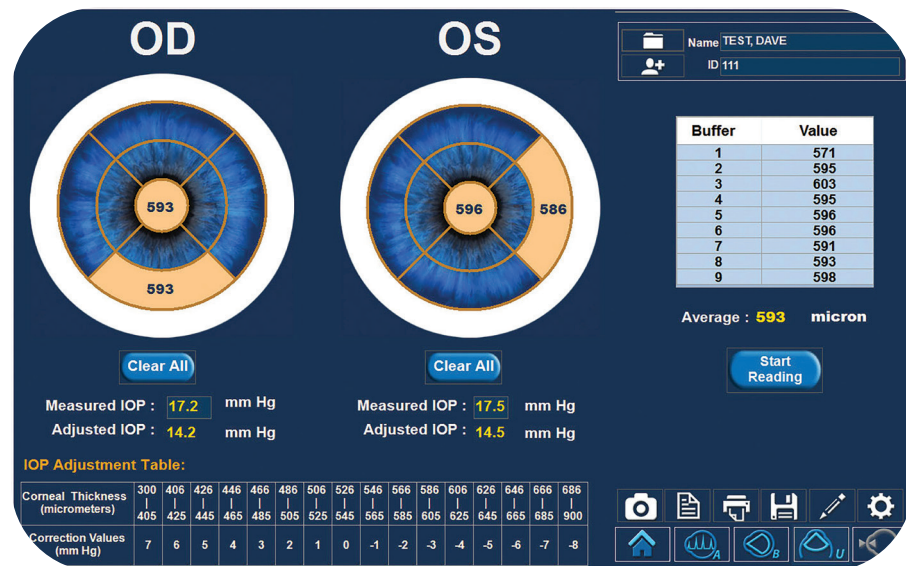
SN: XXXXXXXX

PW: 1.00

PACHYETER PDF REPORT



PACHYETER SCREEN



MEASUREMENT SCREEN



We loved the viewing screen on the 4Sight. The software is so much more user friendly.

We do some astigmatic correction in the office (limbal relaxing incisions) and we do pachymetry on all quadrants of the cornea, so that is why we loved the pach screen with the quadrants showing.

We also had great customer service! Every one of our questions was answered thoroughly and quickly. ”

Certified Ophthalmic Technician, Florida, USA



How Does the 4Sight Compare?

Below you can see how our 4Sight performs against the competition. Please contact a Keeler representative or your local distributor for more detailed information.

Features	4SIGHT	Company X	Company Y	Company Z
Portable	★	★	★	
Touch Screen	★	✎	★	
Modular Design (Ability to add probes)	★	✎	✎	✎
Multi-use (Probes can be used with unit or PC)	★			
DICOM™ (Standard with purchase)	★	£	£	£
Warranty (Standard 3 year warranty)	★	✎	✎	✎

4Sight Accessories

- Wireless mouse
- Wireless keyboard
- Probe holders (on the back of the unit)
- Power supply
- A-Scan immersion shell
- Manual
- Quick reference guide
- Test blocks (A-Scan)
- Foot switch
- Original B-Scan table top probe holder (optional)
- Original UBM table top probe holder (optional)
- Ergotron mounting arm for wall/table mounting (optional)





Accutome is a keeler-owned brand, trusted by health-care professionals globally. Accutome products are available from Keeler direct, or selected distributor partners, all around the world.

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More Keeler products

For over a century we have manufactured top quality precision ophthalmic instruments. We now offer a full range of pharmaceuticals and office supplies as well as an ultrasound line.

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