Newly designed, Huvitz continues to lead in product development
combining innovation with value and performance

HNT-1/1P

Huvitz Tonometer with Smart Puffing Control Tech

Huvitz Re:define, Re⁺create

Smoothness and Perfection HNT−1/1P

Soft & Smart Puffing, Corneal Thickness Compensation, Combined with Great Economical Value − A New Standard in Intraocular Pressure Measurement
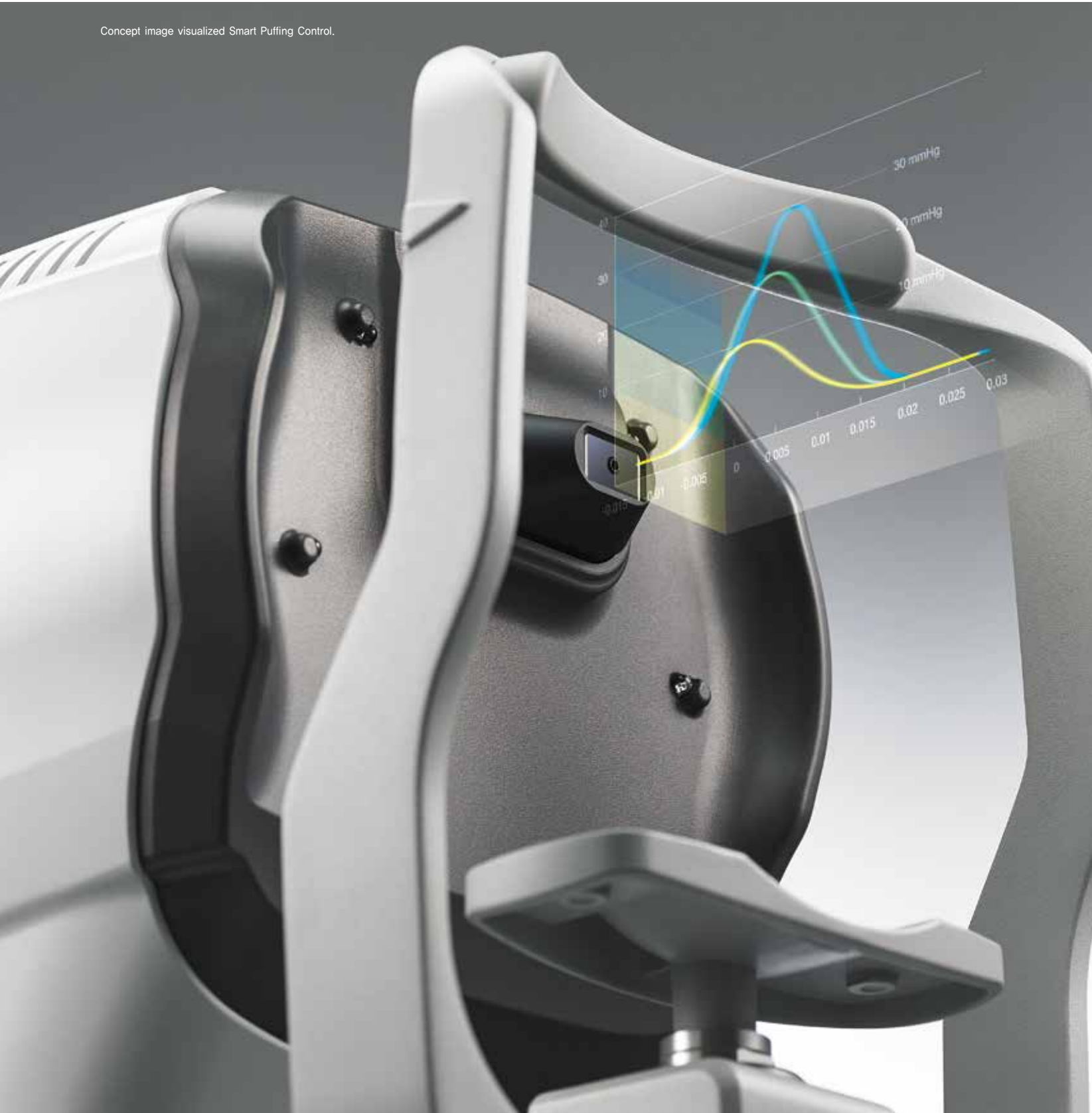
The new tonometer HNT−1/1P measures customized intraocular pressure with smart function auto−adjustable puffing intensity.
Intuitive interface based on corneal thickness to compensate for IOP value, produces accurate measuring data immediately and effortlessly.

Soft and Smart Puffing –
with Your Patient's Comfort in Mind.

Concept image visualized Smart Puffing Control.

Auto-adjustable Smart Puffing Control for Intraocular Pressure

Its smart function is possible with customized intraocular pressure as it adjusts the puffing pressure level based on the patient's own intraocular pressure.
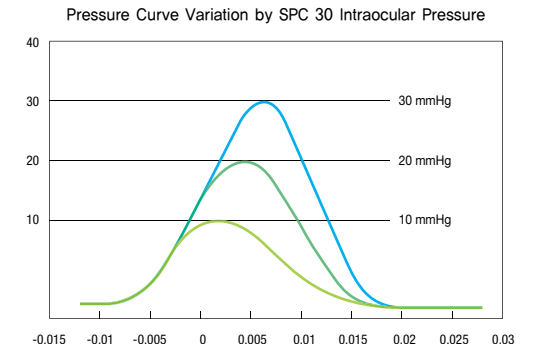
The moment the proper intraocular pressure signal is acquired, air pressure delivery stops, reducing the discomfort caused to the patient by unilateral high-pressure puffing.

Auto Tracking Guide Display

Automatic 3D tracking and focusing.
User-friendly animated feedback for User, when outside of normal auto-tracking range, to help guide with the required joystick and chin rest adjustments needed.

User Friendly Interface

Anyone can easily use thanks to the user-friendly icon-based intuitive interface.

Pressure Curve Variation by SPC 30 Intraocular Pressure

Auto Tracking Guide / User Friendly Interface

3D Driving Mechanism for Auto Focusing

IOP Measurement Taking into Account Corneal Thickness – Producing Comprehensive Data

Accurate Corneal Thickness Compensation

To measure accurate intraocular pressure, simply input patient's corneal thickness on the HNT-1 to print-out compensated IOP value. (HNT-1)

When using the built-in pachymeter, available on the HNT-1P, it immediately shows compensated IOP value. (HNT-1P)

CCT(Central Cornea Thickness) Measurement

Enables accurate measuring corneal thickness by utilizing the scheimpflug method. (HNT-1P)

Visualization for Corneal Thickness Measurement

Bilateral corneal thickness by visualizing cross-section image of measured corneal thickness. (HNT-1P)

ACA(Anterior Chamber Angle) Capture

ACA cross-section capturing function helps to support the diagnosis of angle-closure which is one of the main causes of glaucoma. (HNT-1P)

Angle Measurement Function by Touch Screen

Utilize the ACA cross-section touch-screen, and the angle shows in graphic and numerical display with easy measurement. (HNT-1P)

Intuitive Gesture and Easy to Use

High Resolution 7"Color Touch-Screen

By adopting a wide color TFT LCD, it produces a vivid, high resolution (with no afterimage) image with real-time processing chip.
User-friendly and easy to use touch-screen.

More Accurate Safety Stopper Function

When pushing the safety button, it prevents contacting air nozzle to patient's eye by means of adopting auto-sensor which initializes the position of the air nozzle.

Motorized Chin Rest

User-friendly and easy to use motorized chin rest.

High Speed Internal Printer

Built-in printer, conveniently and quickly prints measured data.
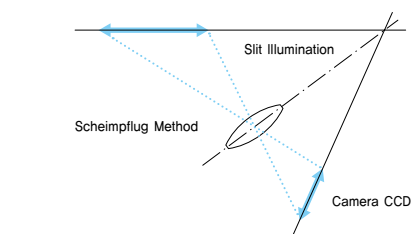
Network Data Transfer Function

Send measured data to external computer by RS-232C interface cable. (EMR compatible)
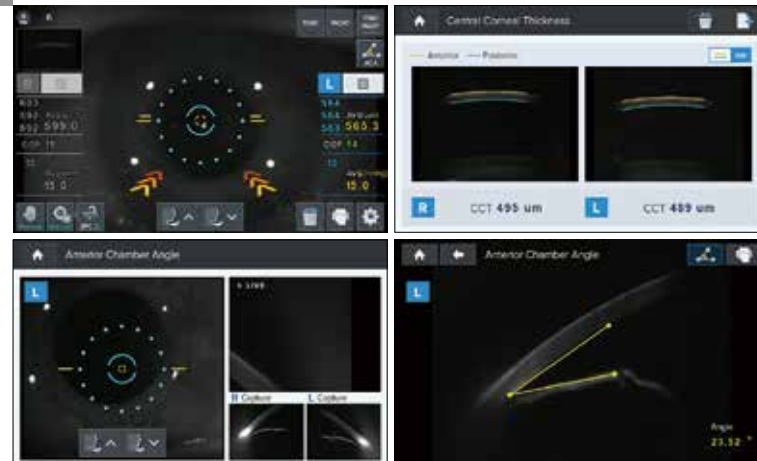
Power Saving Sleep Mode Function

Automatic sleep mode when not in use.

CCT Measurement and IOP Compensation

Visualization for Corneal Thickness

Slit Illumination

Scheimpflug Method

Camera CCD

CCT(Central Cornea Thickness) Measurement Concept

ACA Shooting

ACA Measurement

Motorized Chin Rest

Internal Printer

HNT-1/1P

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Specification

		HNT–1	HNT–1P
Intraocular Pressure Measurement Mode	Measurement Mode	AT3D(X, Y, Z), AT2D(X, Y), MT(Manual)	
	Measurable Range	0~60mmHg, SPC30/60mmHg	
	Measurement Value	1mmHg step (Average:0.1mmHg step)	
Cornea Thickness Measurement Mode	Pachymetry Measurement		AT3D(X,Y,Z), AT2D(X,Y), MT(Manual)
	Measurable Range		150~1300μm
	Measurement Value		1μm step
Data Memory		Measured value of ten(10) times amount for each left/right eye.	
Hardware	Built–in Printer	Thermal Line Printer	
	Power Saving Function	As stopping to measure for about 1/3/5minutes, the main power is shut, it returns as pushing button.	
	Monitor	TFT LCD Color IPS Touch Panel of 7" (800x480)	
	Electrical Power / Current	AC100~240V, 50/60Hz, 1A	
	External I/O	RS–232C (in/out)	
	Dimensions / Weight	514(W) x 262(D) x 435(H)mm / 18.5(17.5)kg	

Designs and details can be changed without prior notice for the purposes of improvement.