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TOPCON 3D OCT-2000 optical tomograph - ophthalmological (Reconditioned)

- **Condition:** Refurbished (used)
- **Technical condition:** Excellent
- **Visual condition:** Excellent (actual product photos available)
- **Origin:** Made in Japan
- **Power supply:** 230 V / 50/60 Hz
- **Power consumption:** 400 VA
- **Software:** 3D OCT - version 8.01

Product Description:

The TOPCON 3D-OCT 2000 combines a high-quality digital fundus camera for color imaging with a modern spectral-domain optical coherence tomograph (OCT). Its high scanning speed (50,000 A-scans/s) and high resolution (5µm) allow for the construction of detailed 3D spatial images of examined tissues, enabling the observation of even the smallest pathological changes.

Thanks to noise-reduction algorithms and Infrared/3D tracking technology, the OCT cross-sections perfectly illustrate the structure of the vitreous body and retina. The device provides various tools for layer segmentation, extraction, cropping, smoothing, and displacement.

Key Features:

- **PinPoint Registration:** Allows the operator to correlate specific details on a fundus photo with 2D/3D OCT scans or thickness maps.
- **Integrated Fundus Camera:** Features a high-quality 16.2 Mpx digital camera for detailed imaging of the eye's structure.
- **Anterior Segment Analysis:** Enables imaging and analysis of the cornea and the anterior chamber.
- **Diagnostic Tools:** Includes distance measurement, curvature measurement, and anterior chamber angle measurement.

Technical Specifications:

- **Field of View:** 45°
- **Working Distance:** 40.7 mm (fundus photography) / 63.7 mm (anterior segment photography)
- **Minimum Pupil Diameter:** Ø 4.0 mm (standard); Ø 3.3 mm (small pupil mode)
- **OCT Scanning Area:** Ø 2.5 mm or more
- **Macula 3D Scan:** 512×128 (128 horizontal lines of 512 A-scans), 6×6 mm
- **Macula Radial Scan:** 1024×6 or 12 (radial lines of 1024 A-scans), 6 mm
- **Disc 3D Scan:** 512×128 (128 horizontal lines of 512 A-scans), 6×6 mm
- **Disc Circle Scan:** ø3.4 mm, 1024 A-scans
- **7-line Raster:** 4096 A-scans per B-scan, 6 mm
- **Scan Speed:** 50,000 A-scans per second
- **Lateral Resolution:** <20µm
- **In-depth (Axial) Resolution:** 5 µm - 6 µm
- **Internal Fixation:** Matrix LCD display (adjustable position and presentation method)

Included Components:

1. **NIKON D7000 Camera:** 16.2 Mpx resolution (DX format), CMOS sensor.
2. **ADVANTECH POC-W242 All-in-One PC:**
 - 24" Full HD IPS LED Touchscreen
 - Intel Core i7-4650U Processor (1.70 GHz)
 - 8 GB RAM / 2 TB HDD
 - Windows 10 Pro Operating System
3. **MAGNETIC Mobile Table:** Electric height adjustment (68 - 100 cm).
4. **Accessories:** Power cord, dedicated lens protector, DELL wired mouse and keyboard, OKI C332 printer.

General Information:

- **OCT Software Language:** English
- **Windows Language:** Any language selectable
- **Total Dimensions:** 120 x 70 x 133 / 165 cm
- **Weight:** 100 kg
- **Status:** Fully serviced, tested, and ready for clinical use.
- **Documentation:** Technical Passport (Service Report) valid for 12 months included.

Warranty:

- **Domestic (Poland):** 6 months
- **International:** 3 months
- *Option to extend the warranty to 12 months for an additional fee. The warranty does not cover bulbs or other light sources.*

