

A man with a beard, wearing a white shirt and a tan vest, is using the NimbleTrack Gen2 3D scanner. He is holding the scanner's handle with both hands, positioning it over the front of a blue car. The scanner is a long, black, cylindrical device with a yellow stripe and the 'DUC' logo. The car is a classic blue sports car with a black grille and round headlights. The background is a blurred industrial setting.

NimbleTrack Gen2 is Scanology's all-new wireless optical 3D scanning system that brings wireless freedom, non-target scanning, precise measurements and portability together. It delivers high efficiency and adaptability for parts of all sizes—from intricate components to massive parts. NimbleTrack Gen2 sets a new standard for efficient and smart 3D measurement.

# NIMBLETRACK Gen2

| Type                                          |                                           | NimbleTrack-C Gen2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NimbleTrack-E Gen2 |
|-----------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Scan mode                                     | Ultra-fast scanning                       | 54 blue laser lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                               | Hyperfine scanning                        | 17 blue parallel laser lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                               | Deep hole scanning                        | 1 extra blue laser line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|                                               | Large area scanning                       | 54 blue laser lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                               | Photogrammetry                            | Adaptive photogrammetry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| Accuracy for scanner-only mode <sup>(1)</sup> |                                           | Up to 0.020 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| Accuracy for system <sup>(1)</sup>            |                                           | Up to 0.025 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| Tracking distance per i-Tracker               |                                           | 3500 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4200 mm            |
| Volumetric accuracy <sup>(1)</sup>            | Tracking distance 3.5 m                   | 0.060 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.059 mm           |
|                                               | Tracking distance 4.2 m                   | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.072 mm           |
|                                               | With photogrammetry system <sup>(2)</sup> | 0.044 mm + 0.012 mm/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|                                               | Tracker-only scanning <sup>(2)</sup>      | 0.072 mm + 0.012 mm/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| Hole position accuracy                        |                                           | 0.050 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| Laser class                                   |                                           | ClassII (eye-safe)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| Resolution up to                              |                                           | 0.020 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| Stand-off distance                            |                                           | 300 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| Depth of field                                |                                           | 400 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| Scanning area up to                           |                                           | 500 mm × 600 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| Scanning frame rate                           |                                           | 120 fps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| Measurement rate up to                        |                                           | 6,630,000 measurements/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| Dimension of i-Scanner                        |                                           | 252 mm × 195 mm × 260 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| Weight of i-Scanner                           |                                           | 1.3kg (Net weight)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                               |                                           | 1.4 kg (Battery and wireless module included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| Dimension of i-Tracker                        |                                           | 570 mm × 87 mm × 94 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| Weight of i-Tracker                           |                                           | 2.2 kg (Net weight)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                               |                                           | 2.6 kg (Battery and wireless module included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| Size of protection case                       |                                           | 1000 mm × 425 mm × 280 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| Output format                                 |                                           | .stl, .obj, .ply, .asc, .igs, .txt, .mk2, .umk and etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| Operating temperature range                   |                                           | -10°C–40°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| Operating humidity (Non-condensation)         |                                           | 10-90% RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| Wireless operating mode                       |                                           | i-Scanner, i-Tracker, i-Scanner + i-Tracker, i-Tracker + i-Probe, Wireless multi-tracker tacking, Edge Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| Wireless standard                             |                                           | Wi-Fi 6, 802.11a/b/g/n/ac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| Interface mode                                |                                           | USB3-B, Gigabit Ethernet port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| Patents                                       |                                           | CN109000582B, CN211121096U, CN210567185U, CN111678459B, CN114001696B, CN114554025B, CN114205483B, CN113514008B, CN114627249B, CN112867136B, CN218103220U, CN218103238U, CN307756797S, CN113340234B, CN112964196B, CN115289974B, CN113188476B, CN218411072U, CN115325959B, CN218584004U, CN115661369B, CN218734448U, CN115493512B, CN110992393B, CN116136396B, CN113432561B, CN219834226U, CN219829788U, CN116244730B, CN116206069B, CN113766083B, CN222015590U, CN222027649U, CN308982243S, CN308982242S, CN222104664U, CN222279677U, CN222279678U, CN222321625U, CN222317979U, CN222317980U, CN222356423U, CN222353116U, CN222560923U, CN222865846U, US10309770B2, US10309770B2, US11060853B2, KR102096806B1, EP3392831B1, US11493326B2 |                    |

(1) ISO 17025 accredited: Performance is evaluated based on JJF1951 specification and VDI/VDE 2634 Part 3.

(2) Paired with high-precision scale bar.

