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1 项目背景

Conquest® 100

Conquest® 100 GPR Wi-Fi Conquest® 100
Enhanced EKKO_Project™



- 高解像度タッチスクリーン: 高解像度タッチスクリーンで、現場でのデータ取得が簡単に行えます。
- Wi-Fi: Wi-Fiで、現場からデータをクラウドにアップロードできます。
- EKKO_Project™ PC ソフトウェア: GPR データを、EKKO_Project™ PC ソフトウェアで簡単に分析できます。
- 高解像度タッチスクリーン: 高解像度タッチスクリーンで、現場でのデータ取得が簡単に行えます。
- 高解像度タッチスクリーン
- 高解像度タッチスクリーンで、現場でのデータ取得が簡単に行えます。
- Conquest® 100 は、Bluetooth で、現場からデータをクラウドにアップロードできます。



高解像度タッチスクリーン: 高解像度タッチスクリーンで、現場でのデータ取得が簡単に行えます。



GPR

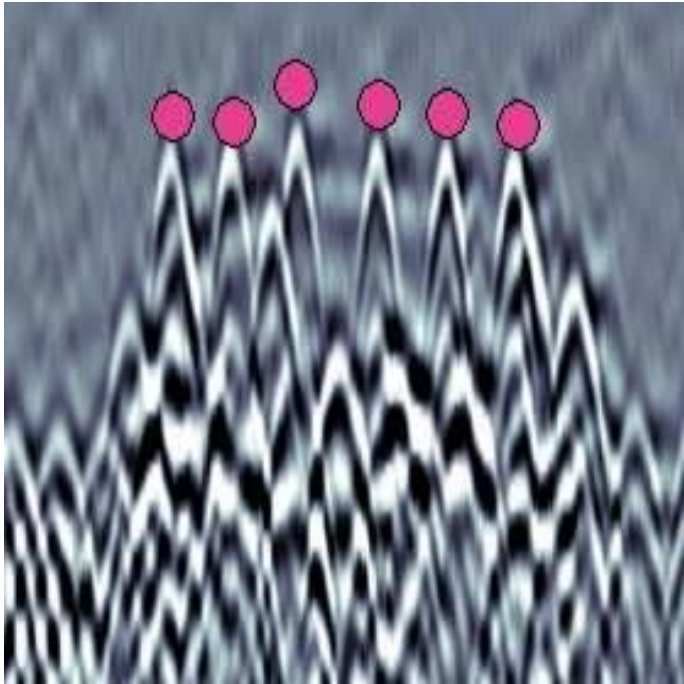


Figure 1: 3D surface plot of the measured data.

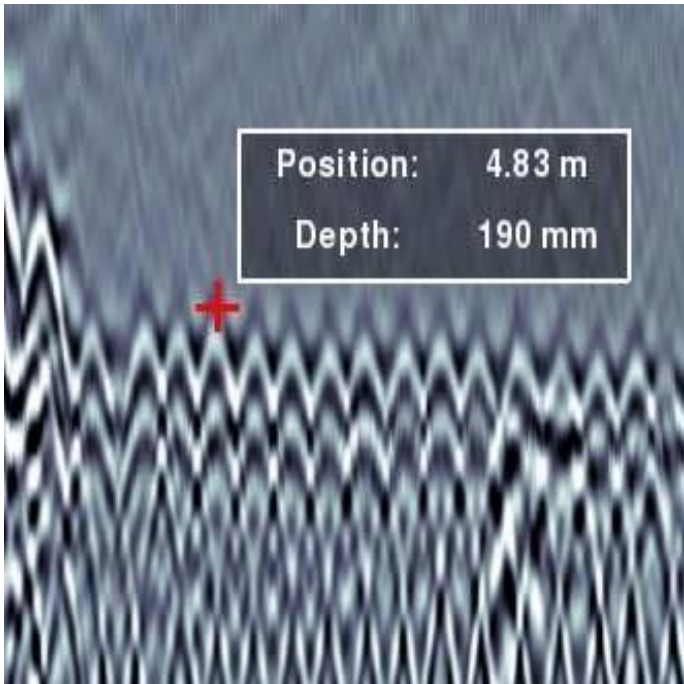


Figure 2: 3D surface plot of the measured data.

3D surface plot

The 3D surface plot shows the measured data. The x-axis represents the position (m) and the y-axis represents the depth (mm). The z-axis represents the measured value. The plot shows a series of peaks and valleys, indicating a non-uniform surface. The 3D plot is shown in Figure 1.

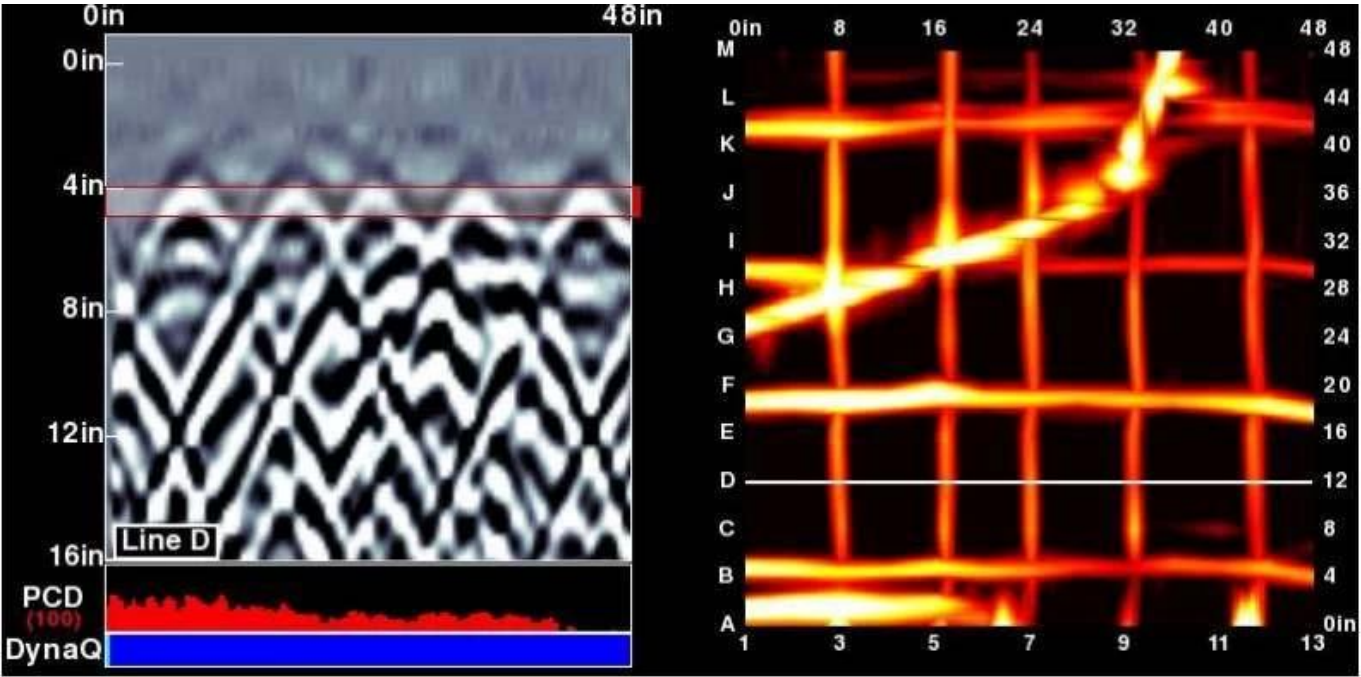


Figure 1: Grayscale micrograph and corresponding color-coded heatmap showing the intensity distribution of the pattern.

Figure 2: Grayscale micrograph showing the intensity distribution of the pattern.

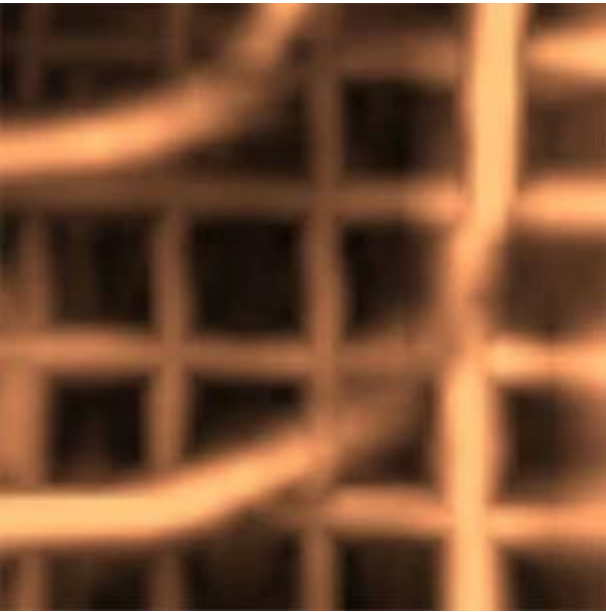


Figure 3: Grayscale micrograph showing the intensity distribution of the pattern.

Figure 4: Grayscale micrograph showing the intensity distribution of the pattern.

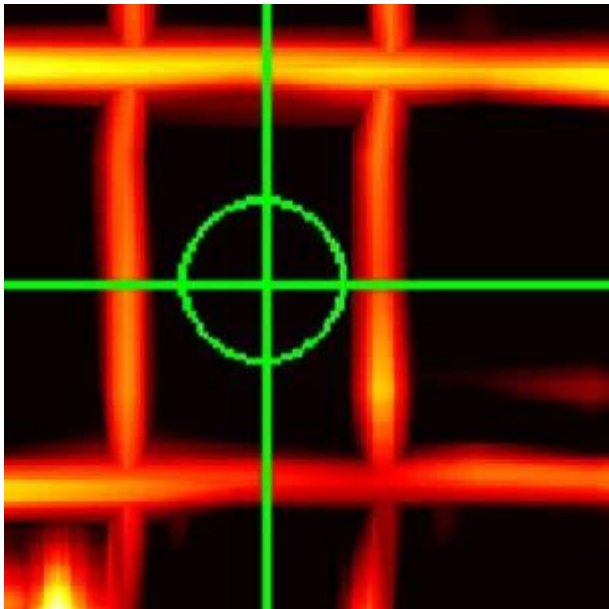


Figure 1

Figure 1: A false-color image showing a grid of bright, vertical and horizontal lines on a dark background. A green crosshair is centered on the grid, and a green circle is drawn around the intersection of the crosshair.

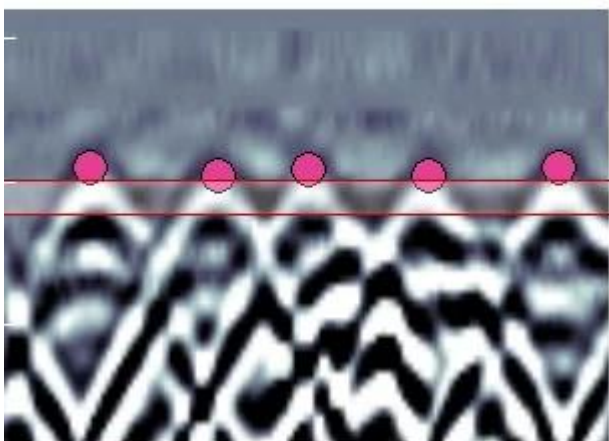


Figure 2

Figure 2: A black and white image showing a series of vertical, wavy lines. A red horizontal line is drawn across the middle of the image, and five red circles are placed along this line, one on each wavy line.

Figure 3 (PCD)

Figure 3: A black and white image showing a series of vertical, wavy lines. A red horizontal line is drawn across the middle of the image, and five red circles are placed along this line, one on each wavy line. Conquest® 100 PCD GPR image showing a series of vertical, wavy lines. A red horizontal line is drawn across the middle of the image, and five red circles are placed along this line, one on each wavy line.

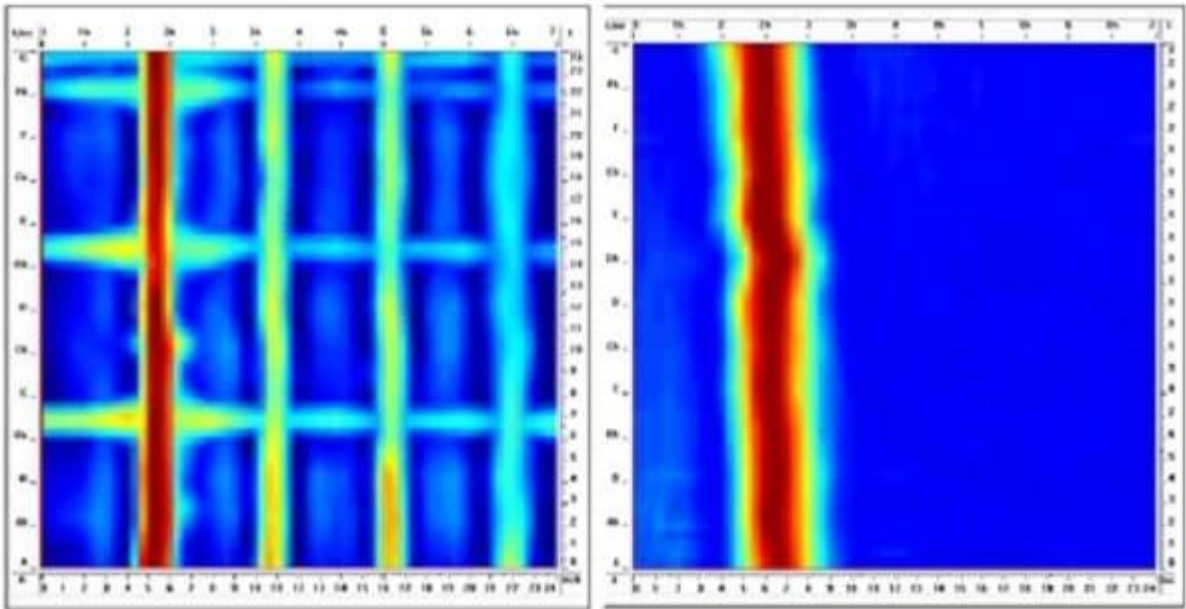


Figure 1: GPR images showing subsurface structures.

Conquest® 100 is a GPR system designed for high-resolution imaging of subsurface structures.

- l. The system is designed for high-resolution imaging of subsurface structures.
- m. The system is designed for high-resolution imaging of subsurface structures.
- n. The system is designed for high-resolution imaging of subsurface structures.
- o. The system is designed for high-resolution imaging of subsurface structures.
- p. GPR system designed for high-resolution imaging of subsurface structures. EKKO_Project™ is a software package for processing and analyzing GPR data. 3D visualization of the data is provided.

Table 1

Table 1: Dimensions of the GPR system components.

Component	Dimensions (mm)	Dimensions (cm)	Dimensions (inches)
Antenna	24 x 24 x 14 cm (9.5 x 9.5 x 5.5 inches)	149 x 131 x 191 mm (5.85 x 5.15 x 7.50 inches)	83 x 44 x 26 cm (33 x 17 x 10 inches)

	2.88 kg (6.35 lb) 0.49 kg (1.08 lb)	1.10kg (2.43lb)
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	100	100
	1 20 200 1000	20 20 200 1000
	30 - 91 cm (12 - 36 in)	
	50 150	
	24 x 24 600 x 600 mm 48 x 48 1200 x 1200 mm 48 x 24 1200 x 600 mm	24 x 24 600 x 600 mm 48 x 48 1200 x 1200 mm 48 x 24 1200 x 600 mm 96 x 24 2400 x 600 mm 96 x 96 2400 x 2400 mm
	DynaQ® -	
		EKKO_Project™ GPR

