

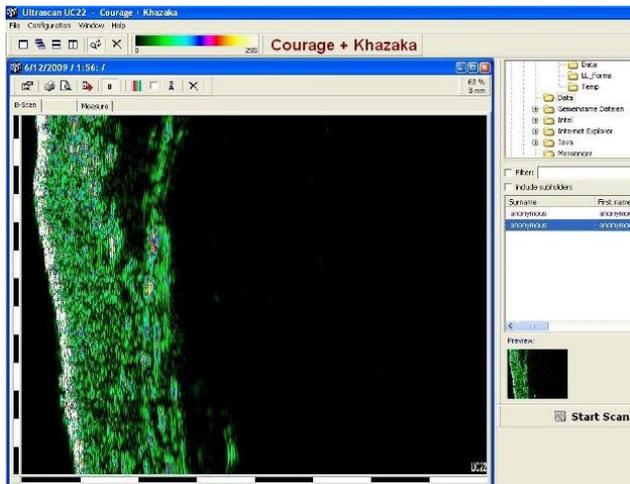
## Ultrascan UC 22 - Look into the skin with 22 MHz



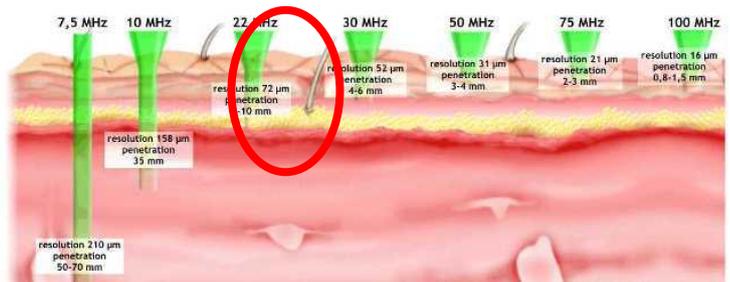
22 MHz ultrasound is an interesting tool to look into the skin with plenty of different applications.

The **Ultrascan UC 22** is OEM made especially for C+K and their customers to complete the product range of skin testing parameters with an extremely economic, easy to handle and absolutely accurate ultrasound device.

The measurement is based on ultrasound waves entering the skin and being reflected differently according to the different tissues. The reflected waves are transformed into electrical impulses and result in an image shown in 256 different colors in a B-scan.



With 22 MHz you can look **6-8 mm deep** into the skin in high resolution.



### Advantages of the Ultrascan UC 22

- **Very economical, extremely accurate** device to look into the skin in depths
- Easy to install and use, **intuitive software**, only connected by USB
- The probe is made for **easy handling** and does all scans **automatically** without further movement by the user. The transducer goes **linearly** over the skin
- Only **water** is needed to receive a scan, no messy gel application. Foils are not necessary but can be used optionally
- **Continuous live scans**, not only one single scan per measurement (video of 10 images per B-scan)
- Automatic measurement between set lines of **skin thickness** in µm and **skin density** (ultrasound density in % and as a colour value between 0 and 256 a.u.) for the total image and split for epidermis/entrance echo and dermis.
- In addition measurements of **depth and width and length** of lines and area (also drawn in freehand)
- The measurements of **up to 6 areas** per image can be saved.

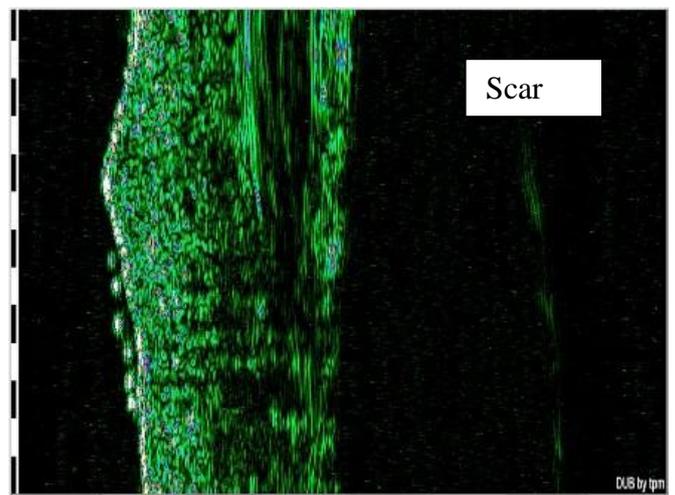
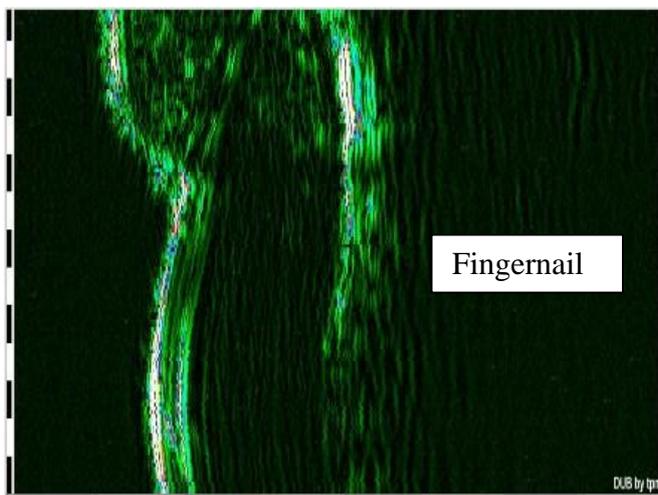
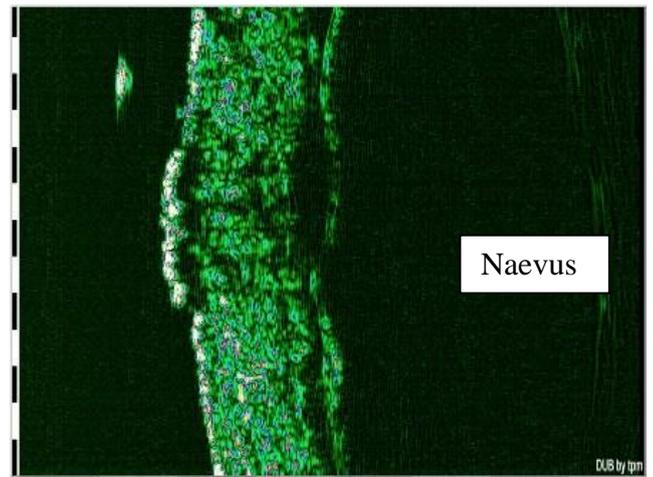


- **Phase correction** (flattening of the image) to determine skin thickness as exactly as possible
- The viewing depths can be changed from 8 mm to 6.4 or 4 mm to better see **details in the upper layers** (no resolution change).
- **A multitude of different applications**
- The images of the B-scan can be exported as **image-files** to be used in other applications.
- The probe head can **easily be cleaned** after each measurement
- A **probe holder** can be mounted to the table
- Manufactured by a German company with the **best reputation** in the field of ultrasound devices

## Fields of Application:

There are a multitude of applications for cosmetology and dermatology.

- Skin aging & sun damage
- Skin thickness & skin density
- Efficacy & control of laser treatments
- Efficacy and control of aesthetic skin treatments
- Cosmetic research
- Osteoporosis risk (optionally)
- Efficacy & control of wound & scar treatment and the monitoring of the tissue beneath wounds/scar



## Technical Data

**Dimensions Device:** 12.5 x 18.5 x 7.4 cm, **Probe:** 17 x 9.5 x 4.5 cm, **Weight Device:** 0.8 kg, **Probe:** 0.3 kg  
**Power supply:** 90-264 V, **PC-connection:** USB 2.0

**Frequency:** 22 MHz main center frequency, **Scanning speed:** 1-2 scans per second, **Digitalization depth:** 8 mm, **Image size:** 384 x 768 pixel, linear B-scan, **Scanning width (lateral):** 12.8 mm, **Resolution (lateral):** 33 µm (384 scanning lines), **Resolution (axial):** 59-72 µm (72 µm at center frequency of 22 MHz), **Focus length:** 11 mm

Technical changes may be made without prior notice