## Lofius

Studies show that **75–94% of sonographers experience work-related musculoskeletal disorders** due to performing an ultrasound, resulting in 20% absenteeism for extended periods or permanently (Zangiabadi et al., 2024). Lofius is an ergonomic instrument designed to provide support of the arm, resulting in **less muscle strain in the shoulder**, especially in the supraspinatus. This product features an adjustable spring system to set the strength that fits the user at the paediatric and gynaecology department.

Designed with ultrasound procedures in mind, Lofius enables users to **perform all the necessary movements** for ultrasound examinations.

Designed for outpatient environments, the Lofius easily attaches to an ergonomic stool, **integrating seamlessly** without taking up too much space.

Beyond its ergonomic advantages, Lofius is designed for the paediatric department to help **comfort children**, which indirectly helps the user perform sonography more ergonomically. The spring cover is designed to look like a hot air balloon with the sling as its basket. In this way, the sonographer can introduce the product as **Lofi de luchthballon**, and she will help to perform the ultrasound.

While seated on their stool, users have control and support wherever they need it.

