

# Medical Pouch Loading Tool

## The Problem

Medical device manufacturers have traditionally loaded tensile-tester grips by hand, introducing significant human-factor variability. Over the past five years, the industry has increasingly recognized how operator technique can distort peel-test results. When a specimen is not perfectly squared in the thin-film grips, the sealed area may be pulled at an angle, creating faulty data and undermining the integrity of ASTM F-88 testing. Manual loading also increases the risk of inconsistent alignment and compromised validation outcomes.

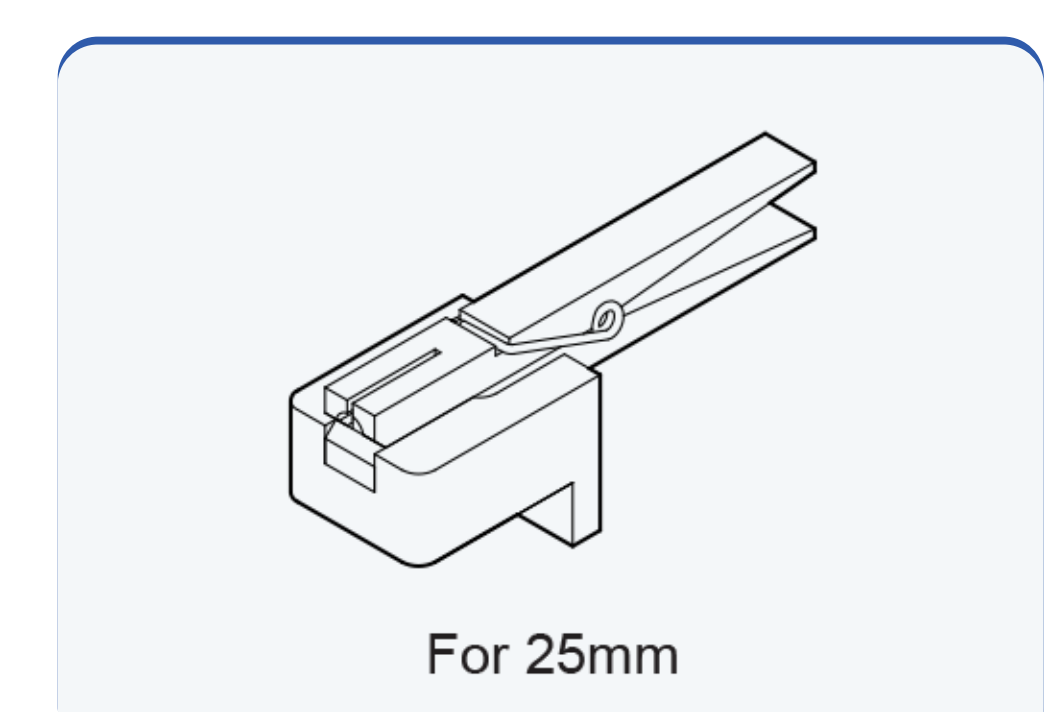
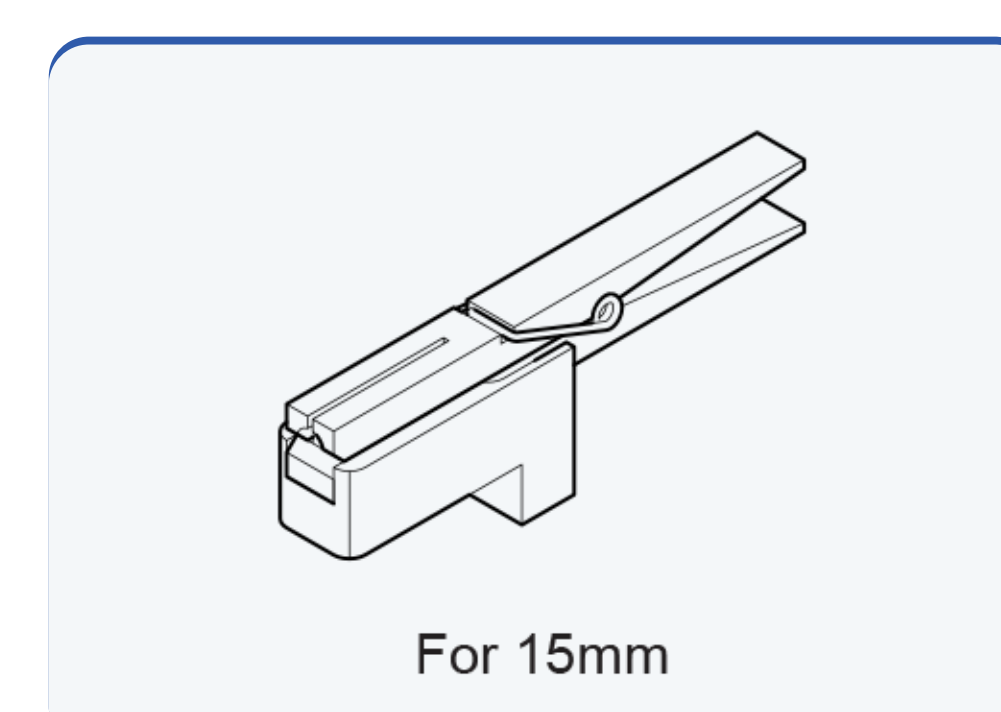
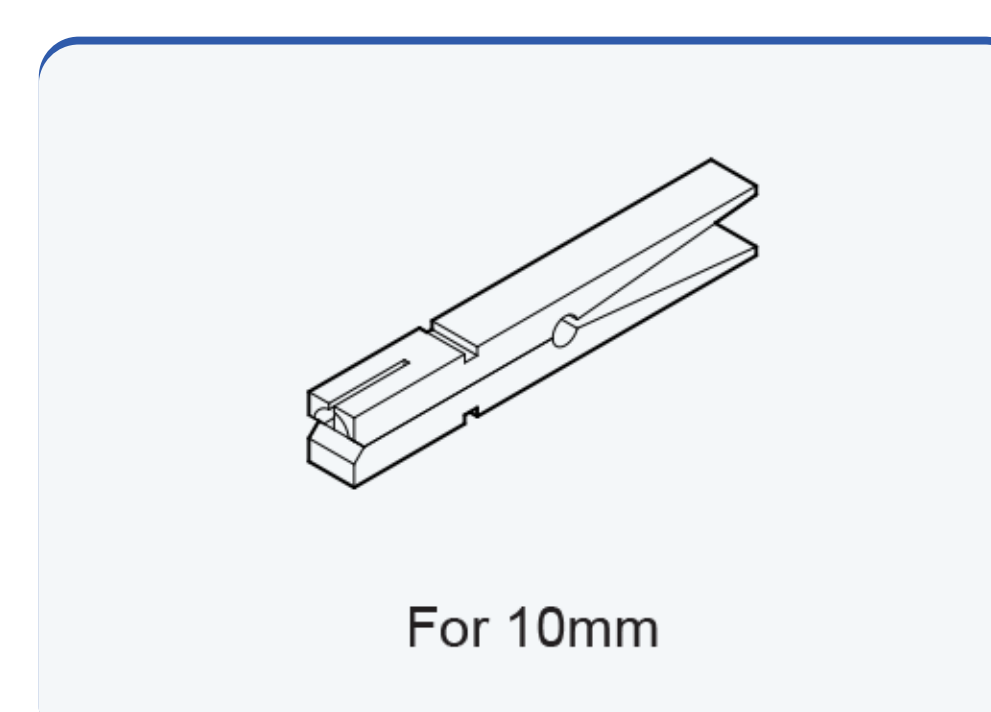
## The Solution

Our development team recognized the need for a tool that ensures every specimen is loaded into thin-film grips with identical placement and perfect alignment. The laser-cut loading tool positions each pouch specimen squarely and at a consistent distance between the moving and stationary grips, eliminating user-dependent variables. This simple but critical improvement strengthens data accuracy and supports reliable pass/fail decisions for medical device pouch seals.

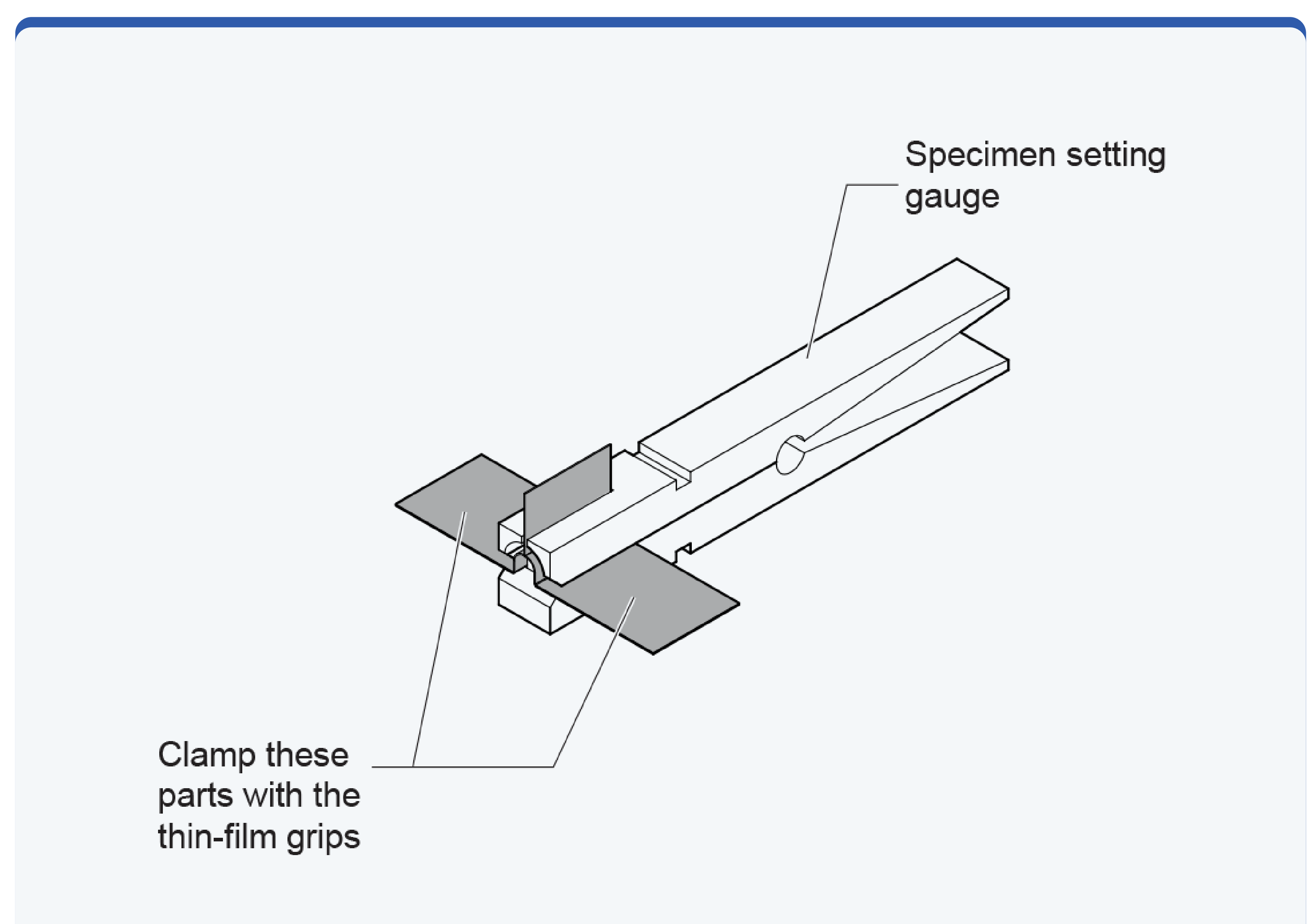
## How to use the specimen setting gauge

By using the specimen setting gauge, it will be easier to insert the specimen to the thin-film grips. Please note that the specimen setting gauge is not suitable for the highly flexible materials.

There are three specimen setting gauges included with the machine. Use the specimen setting gauge according to the set grip distance



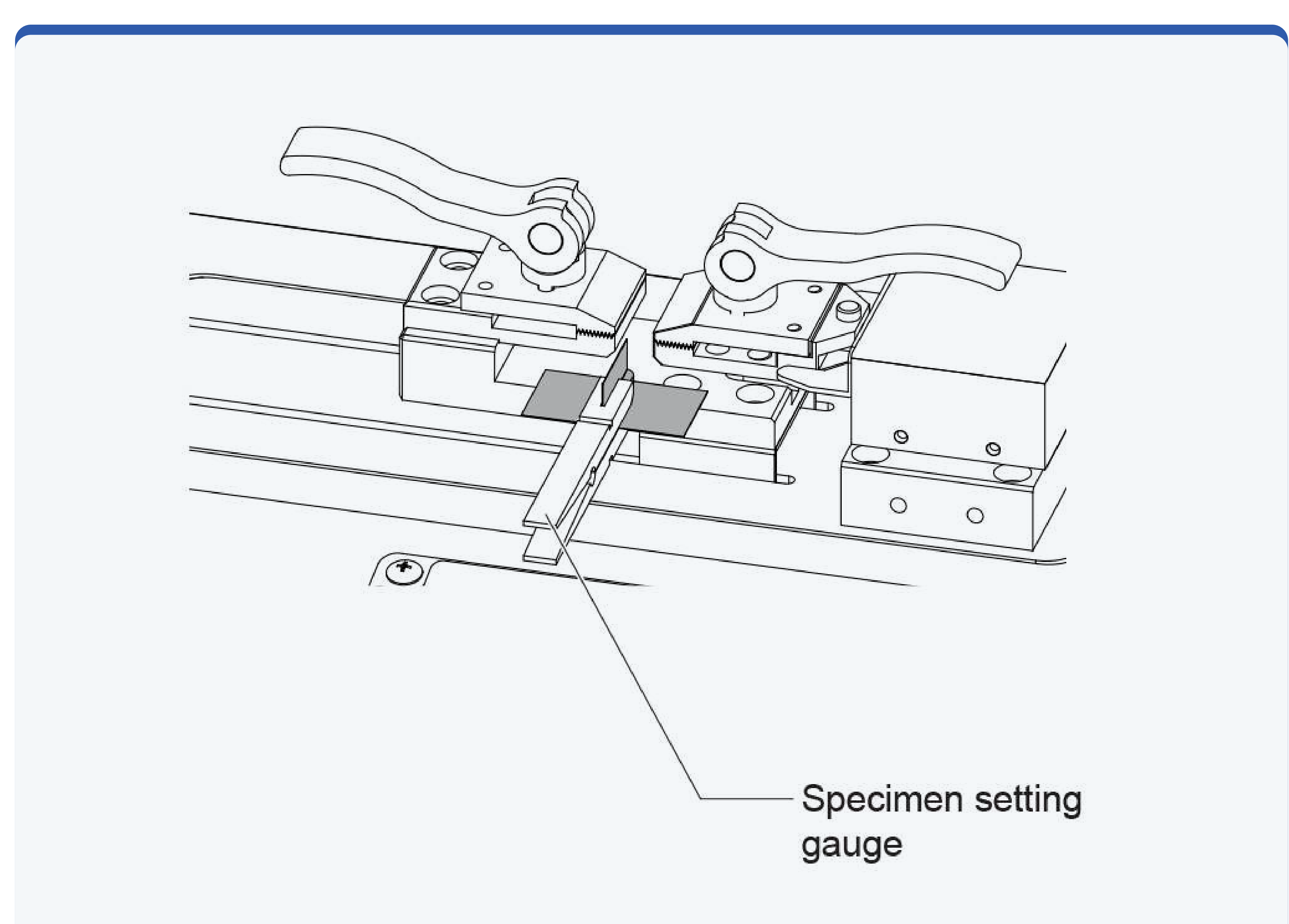
Insert the specimen to the specimen setting gauge as in the right illustration.



Hold the specimen setting gauge and insert the specimen to the thin-film grips.

While holding the specimen setting gauge, push down the levers to clamp the specimen with the grips.

**Caution** When pushing down the clamping lever on the measurement side, be careful not to apply the load to the sensor measurement axis as it may break the sensor.



# van der stähl

SCIENTIFIC

Connecting medical device packaging to patient safety.

**Call Customer Care: 800-550-3854**