



# SCIAPS DETECTOR PROTECTOR TECHNOLOGY (DPT) Never puncture another detector again!

## Why Detector Damage Happens

High-end X-ray guns are built for precision – measuring ultra-light elements like Mg, Al, and Si with thin windows that allow low-energy X-rays to reach the detector. But those same windows offer minimal protection.

**In real-world use, recyclers often jam analyzers into Gaylord boxes or barrels of turnings.**

## Common failure modes?

Weak protectors bow into the detector and break it. Small chards pierce through the mesh and puncture the detector window. **Detector punctures mean expensive repairs and frustrating downtime.**

## Enter SciAps Detector Protector Technology (DPT)

The DPT system is a breakthrough in XRF analyzer durability, specially engineered for rugged environments.



[Watch the Video](#)



## Key Features

- ✓ Rigid construction – won't flex into the detector
- ✓ Fine mesh grid – rejects chards larger than 100 Qm (thinner than a human hair)
- ✓ Maintains analytical speed – still measures 0.3% Mg in 2 seconds **(X-550 Only)**
- ✓ Analyzer remains operational – even if Prolene window is damaged
- ✓ User-replaceable window – swap it out without sending the unit in

[Learn More About User-Replaceable Window](#)

**Tough? You bet.** Beer can collapses at 28 Newtons. DPT holds strong at 68 Newtons.

## Now Standard on Every Alloy App-Equipped Analyzer

DPT now comes standard on all X-200, X-505, and X-550 XRF analyzers equipped with the Alloy App.

## Protect your investment. Power your productivity.

Experience the durability, accuracy, and innovation trusted by recyclers around the world.

[Learn More](#)

