

# DETEC

## Series 4B Metal Detectors from TSS

SERIES



CUSTOM BUILT  
FULL APERTURE DETECTOR FOR THE TIMBER INDUSTRY

The Series 4B offers an excellent choice of unit size depending on the particular application. The product can be passed through the aperture via conveyor belt, inclined chute, or non-metallic pipe. Each model in the range operates with a Digital Pulse Phase Modulation and Phase Discrimination Signal Demodulation Network coupled to a Dual Gated detection system.

This system allows Product Compensation and minimises the amount of good product reject. The detector can be adapted to high or low conveyor speeds, and features Fault Monitoring which helps reduce errors to an absolute minimum.

Ultimately, it is the sensitivity of the Detec Series 4B that puts it in a high performance class.

**World class performance in any language!**

**Series 4B Metal Detectors** are installed and operating in a multitude of Industries in Australia and Overseas including:

FOOD MANUFACTURING  
BAKERIES  
TIMBER INDUSTRY  
PHARMACEUTICAL  
FRUIT PROCESSING  
FISHING INDUSTRY  
ABBATOIRS AND MEAT PROCESSING  
RUBBER INDUSTRY  
RECYCLING INDUSTRY  
PAPER AND CARDBOARD MANUFACTURER  
PLASTICS INDUSTRY  
CHICKEN PROCESSORS  
GRAIN INDUSTRY  
GLASS INDUSTRY  
PACKAGING INDUSTRY  
CASTING PLANTS  
EXPLOSIVES MANUFACTURER  
FOOD PROCESSING, LIQUID AND PASTE APPLICATIONS



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TSS CUSTOM DESIGNED CONVEYOR SYSTEMS  
INCORPORATING METAL DETECTOR UNITS



FULL SURROUND APERTURE DETECTORS



OPEN END STYLE APERTURE DETECTORS—  
NO NEED TO CUT CONVEYOR BELTS  
ON EXISTING INSTALLATIONS.



CUSTOM BUILT DETECTOR UNITS  
ACCORDING TO CLIENT REQUIREMENTS



DETECTOR UNITS  
MANUFACTURED IN MILD STEEL OR STAINLESS STEEL



THE DETEC SERIES 4B  
DETECTORS COME IN A RANGE OF  
APERTURE SIZES AND CORRESPONDING SENSITIVITIES

Today's stringent manufacturing standards demand the best in metal contaminant detection. From Detec, leaders in metal detection, comes the Series 4B.

For manufacturers serious about the quality of their end product, detection of ferrous and non-ferrous metal contaminants in Food Processing, Pharmaceutical and many other industries becomes routine with the Series 4B Detectors.

Utilising the latest in electronics, a signal is concentrated within the aperture of the inspection head to detect metals, even if deeply embedded in the tested product.

And the Series 4B also offers versatility and flexibility. For instance, the unit can be constructed with a removable end plate, where slide-in installation is required to **avoid cutting existing conveyor belts.**

The Detec Series 4B Metal Detectors are available in a choice of two surface finishes:

- 1 The Mild Steel model has a gleaming, durable epoxy white finish.
- 2 The Stainless Steel casing and control box, grade 304, especially for clean environments and IP66 for hose down cleaning.