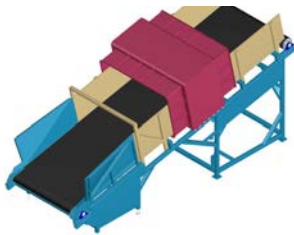


# Metron 05 C

## METAL DETECTION

**CLOSED TUNNEL TYPE DETECTOR WITH INTEGRAL CONTROL BOX SUITABLE FOR INSTALLATION IN BELT CONVEYORS, GRAVITY OR VACUUM/PRESSURE CONVEYING LINES**

**Reliable** in Process and Detection  
**Durable** in Technology and Performance  
**Easy** in Installation and Handling

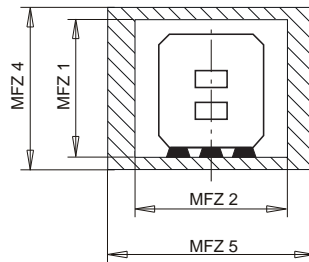
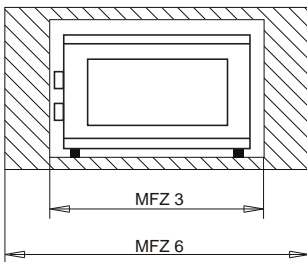


Detects all metals encapsulated or as loose parts.  
 High sensitivity in rough industrial environments.  
 User friendly and reliable technology, proven for many years.  
 A worthwhile investment that protects the valuable production equipment.  
 Specifically tailored system solutions with reliable conveying technology and selected accessories.  
 Size variations for different areas of use.  
 Digital signal processing for best detection  
 Versions for out-door, high-temp., etc.

### Applications

Product inspection  
 Machinery protection - grinders, crushers, mills, chippers, calendars, bandsaws, and more

### Metal Free Zone (MTZ)



### Calculating the 'metal free zone'

#### For Non-moving Metals

$$\text{MFZ 1} = H + 60\text{mm}$$

$$\text{MFZ 2} = L + LH$$

$$\text{MFZ 3} = LB + LH$$

#### For moving metals

$$\text{MFZ 4} = 4 LH$$

$$\text{MFZ 5} = L + 3.5 LH$$

$$\text{MFZ 6} = LB + 3 LH$$

Position the detector aperture in the middle of the 'metal free zone'  
 For the other dimensions: position the detector symmetrical in relation to the aperture.