

**Who is Arch  
Environmental?**

\*manufacturer and worldwide distributor of preferred bulk conveyor components since 1975

**Mechanical Division**

***Belt Cleaners•Belt Alignment•Sealing Systems•Dust Control Systems•Impact/Slider Systems***

**Electrical Division**

***Belt Scales•Metal Detectors  
•Pull Cord Switches•Belt Protection Devices  
•Conveyor Control Systems***

\*facilities include a fabrication shop, a CNC machine shop, and state-of-the-art urethane production



Two profiled arms connected to electrical switch through a glass-reinforced polycarbonate coupling.

If belt rips or tears to the extent of possible damage to belt or structure, it will contact one of the upright arms.

A contacted arm will tilt in direction of moving belt and activate the switch.

Switch coupling mechanism is designed to provide an adjustable mechanical delay to prevent false trips.

Additional Specs:  
Enclosure- I.P. 66  
Housing-High Impact Polycarbonate

Switch-Rated 16A/500V  
(2 normally open and 2 normally closed contacts)

# CTS 700 BTR<sup>®</sup> RIP & TEAR DETECTOR

Two tear detection arms connected to the rotary switch will provide protection against side wing and center belt tears.



Rotary switch equipped with a mechanical delay to prevent trips from incidental contact. Once activated, the switch must be manually reset.

**EZ Installation** ✓  
**Worksheet Req'd** ✓  
**'See for Yourself'** ✓  
**Low Maintenance** ✓  
**Fast Delivery** ✓

**ARCH**  
ENVIRONMENTAL  
EQUIPMENT, INC.

CONVEYOR EFFICIENCY SPECIALISTS

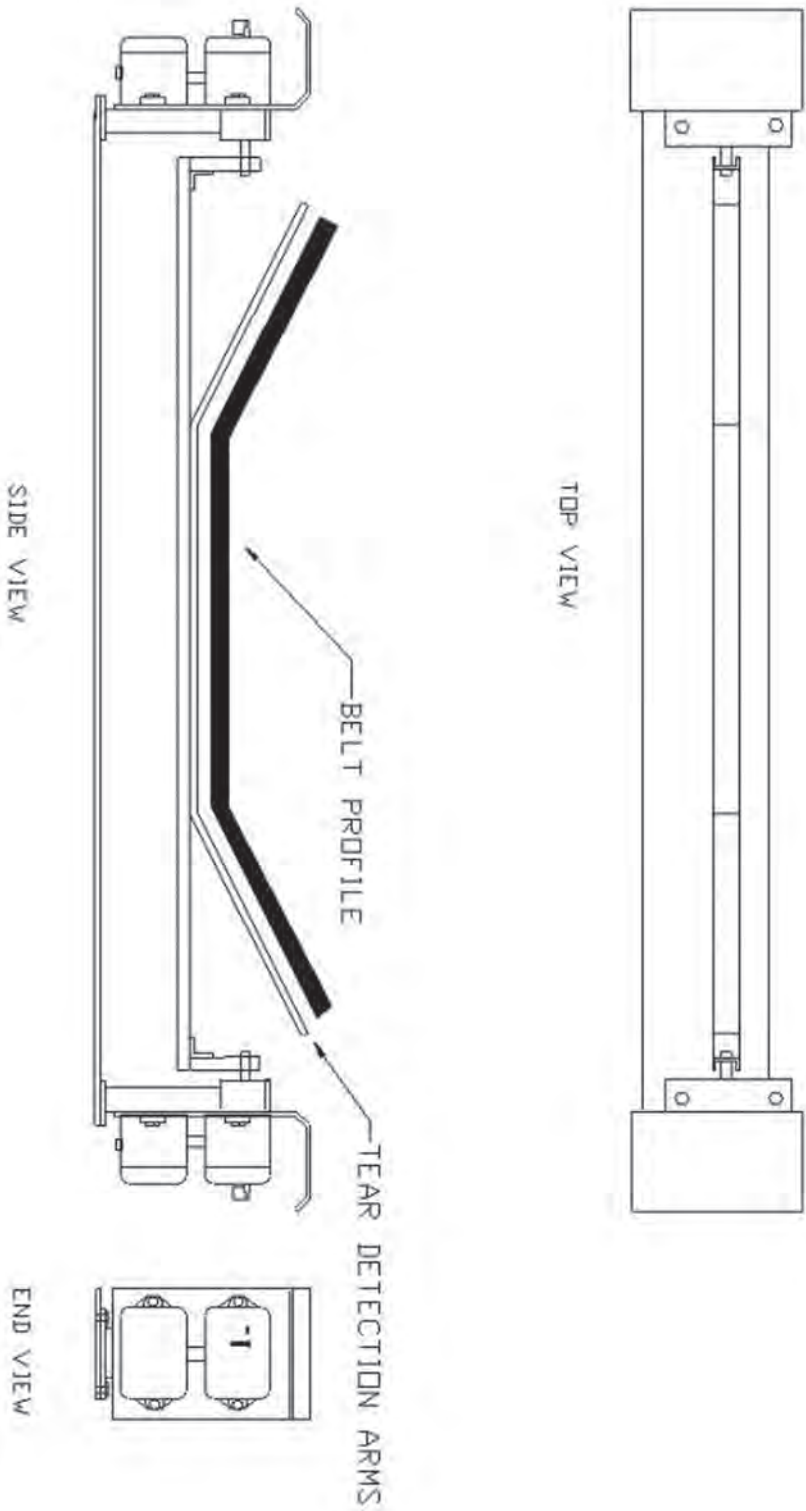
800-553-4567

www.archenv.com

*(Conveying Confidence)*



# CTS 700 BTR® RIP & TEAR DETECTOR



Covered under one or more of the following patents:  
4,202,437;4,231,471;4,436,446;4,489,823;4,533,036;4,779,716;4,877,125;  
4,989,727;5,149,305;5,222,588;5,222,589;5,219,063;5,350,053;5,725,083  
other patents pending

Note: If available, prices vary with options.