



Frost Incorporated

2020 Bristol, Grand Rapids, MI 49504

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To Place your Order or for More Information,
Please Contact a Member of Our Sales Team:

Frost Industries
2020 Bristol,
Grand Rapids, MI 49504



telephone: 616.453.7781



fax: 616.453.2161



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Frost Inc. Product Warranty

Frost Inc., warrants to the original purchaser only, each new product manufactured or supplied by Frost to be free from defect of material and workmanship under normal use and service.

The Frost obligation shall be limited to furnishing either repair and/or a replacement product, at Frost's decision, that product or that product part which shall, within 12 months after the date of purchase by the original purchaser, be returned by that purchaser to Frost for examination, having received Frost's written authorization therefore, and which examination shall disclose the product or that product part to have been found to be defective, at a cost no greater than the time based pro-rata cost of the product or the product part price at the time of purchase, this amount to be applied against the cost of repair of the product or product part, or applied to the price of new product to be supplied by Frost to the original purchaser of the product.

Frost is not liable for incidental or consequential damages to such purchaser arising out of any such defect and makes no other warranty of fitness or merchantability expressed or implied.

This warranty shall not apply to any Frost product which has been subjected to negligent or careless handling or use after leaving Frost custody and control, or which has been repaired, modified, or altered in any way so as, in Frost's judgment, to have adversely affected the product's performance and reliability, nor to any product which had been used for any purpose for which it has not been designed or intended.

No one shall have authority to expand or modify the terms of this warranty without the express, written approval of an officer of Frost, Incorporated.



**FAILURE
IS NOT
AN OPTION**

Even though companies rely on them, many ignore the importance of conveyor systems —until a breakdown occurs and raises havoc, escalates costs and reduces profits.

There has never been a cost effective way to predict when that downtime will occur —until now. Frost is proud to introduce The Frost Chain Wear Monitoring System called CATS or Conveyor AlerT System. It integrates digital technology which monitors conveyor chain wear and elongation, alerts you to major chain failures before they occur, ready and is ready to perform 24 hours a day, seven days a week. Ultimately, this system saves you routine inspections and unexpected expensive down time.



Remote Mounted Display
Highly Precise Measurements



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Conveyor Alert System
CATS
by FROST

Designed for
**X-248 Chain,
X-348 Chain,
X-458 Chain,
X-658Chain,
X-678 Chain,
and X-698 Chain.**

The CATS Features

- Persistent Data Monitoring collects data and is ready to perform 24/7.
- All Data Reporting is ready to be interpreted in Excel with our custom designed reporting tools or yours. No special software required.
- Reports can be customized to meet your specific needs, contact your Frost Sales Representative for details.
- Easy to operate touch screen interface.
- Remote monitoring available, contact your Frost Sales Representative for more details.
- Ethernet/USB data retrieval standard, options for WiFi and Cellular are available.
- Many different options and configurations available to create a custom solution for your application.
- A custom mounting assembly for each conveyor chain.
- The programmed or displayed measurements can be standard or metric units.
- The link set data can be used to display the length of any segment of chain.

The CATS Advantages vs. Portable Systems

- CATS are mounted one time and adjusted to perfect calibration. Once the CATS is in place you can be assured that the data will be accurate.
- Portable monitors are made to move from conveyor to conveyor and defeat the purpose of constant monitoring. After all, what is the purpose of investing in a chain wear monitoring system? The purpose of a chain wear monitoring system is to have accurate and constant monitoring to alert you before a catastrophic failure. CATS permanent mounted monitors are ready to perform 24 hours a day, 7 days per week, 365 days per year from one specific location.
- Installing a permanent mounted CATS monitor does require some time, but the setup only occurs once. A portable monitor requires scheduled setup time, and resources to install it each time it is moved---every time you move the monitor your team wastes valuable resources---and then repeats the process again and again.
- A CATS permanent mounted monitor mitigates errors. With a portable system the monitor is moved from place to place which increases the opportunity to enter incorrect data and settings for the new chain and creates avoidable errors. A CATS monitor is permanent; the settings are set and the data is free from error.

Customer Requirements

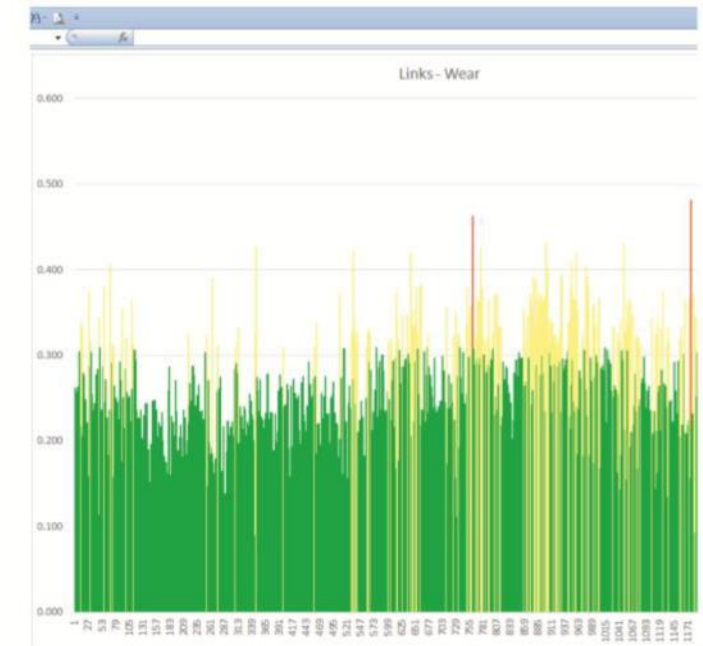
- Power – dedicated 110V 10A plug.
- Computer - Any device capable of running Excel 2003 or higher with the ability to run macros.
- For the best results the chain being monitored should be free of debris and operate continually.

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CATS will check the status of all individual links and all chain sections in both data and graphical format. Reports are easy to read with color coded warnings with green as acceptable; yellow requires inspection; and red needs immediate attention.

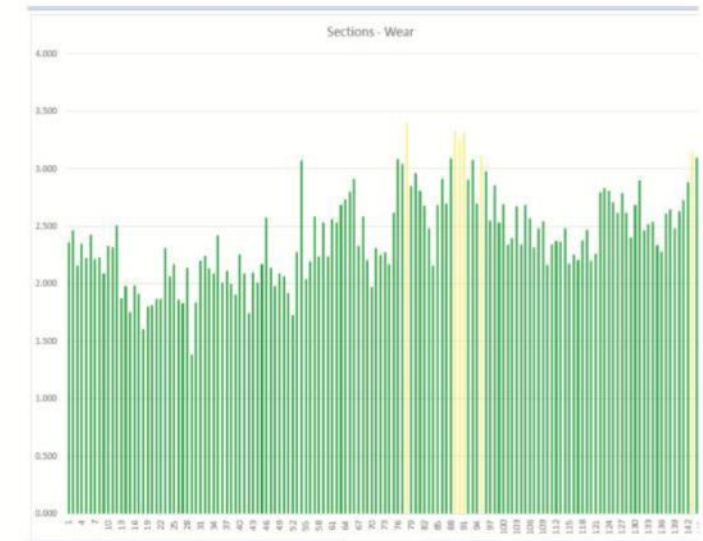
List of All Links:		Links to be Inspected:		Links to be Replaced:	
Link #	Length	Wear	Link #	Length	Wear
1	12.282	0.302	13	12.340	0.339
2	12.188	0.298	15	12.331	0.331
3	12.257	0.292	27	12.374	0.374
4	12.169	0.284	31	12.315	0.315
5	12.201	0.281	47	12.345	0.345
6	12.245	0.280	57	12.379	0.379
7	12.264	0.274	69	12.408	0.408
8	12.225	0.270	74	12.311	0.311
9	12.244	0.264	91	12.355	0.355
10	12.305	0.260	99	12.321	0.321
11	12.243	0.251	109	12.365	0.365
12	12.175	0.240	113	12.311	0.311
13	12.340	0.329	217	12.324	0.324
14	12.217	0.270	253	12.324	0.324
15	12.331	0.331	263	12.389	0.389
16	12.206	0.266	274	12.312	0.312
17	12.279	0.279	308	12.311	0.311
18	12.261	0.261	313	12.332	0.332
19	12.277	0.277	345	12.326	0.326
20	12.195	0.295	347	12.427	0.427
21	12.248	0.248	399	12.311	0.311
22	13.134	0.134	454	13.117	0.117

Check the status of all individual links.



List of All Sections:		Sections to be Inspected:			
Link #	Length	Wear	Link #	Length	Wear
1	122.361	2.361	78	123.395	3.395
2	122.464	2.464	89	123.329	3.329
3	122.156	2.156	90	123.251	3.251
4	122.345	2.345	91	123.317	3.317
5	122.226	2.226	95	123.108	3.108
6	122.424	2.424	143	123.150	3.150
7	122.212	2.212			
8	122.230	2.230			
9	122.087	2.087			
10	122.330	2.330			
11	122.315	2.315			
12	122.507	2.507			
13	121.879	1.879			
14	121.976	1.976			
15	121.751	1.751			
16	121.987	1.987			
17	121.913	1.913			

Check the status of all individual sections



Ease of Use. Peace of Mind.

The Frost CATS records the condition of your chain ready to perform 24 hours a day, 7 days per week, 365 days per year. Reports are easy to read with color coded warnings with green as acceptable, yellow requires inspection and red as links that need immediate attention. Measurements are saved at user selected intervals and the software can also be used to view and compare previously saved measurements.