

Your partner  
for food safety

**FXD**<sup>TM</sup>

Dual detectable food belts



X-Ray & Metal detectors



## **FXD**™ X-Ray and Metal detectable belts

Chiorino **FXD**™ is the only range of food grade conveyor and process belts **detectable** by both **X-rays** and **Metal detectors**: the only product line on the market combining these features.

Thanks to the Chiorino engineered **FXD**™ TPU, the belt can be **identified** in **very small pieces** by the inspection systems used in food processing and packaging.

Where Foreign Material Contamination is a dangerous concern, Chiorino **FXD**™ is **the solution** to **minimize risk** and to **prevent costly products recalls**.



## A unique solution

Chiorino **FXD**™ belts installed on production lines equipped with both **X-ray** & **Metal detectors** **reduce significantly** the risk of

Foreign Material Contamination originating accidentally from the belt, thus avoiding potential hazard to the consumer.



# Production program

## Conveyor belts

Code	Type	Material	Colour	Surface	Total thickness	Knife edge min. radius <sup>(1)</sup>	Min. pulley diameter <sup>(1)</sup>	Pull for 1% elongation	Temperature resistance	
					mm				min.	max.
NA1590	1M5 U0-U2 FXD	TPU	silver	smooth	0.75	4	8	5	-20	100
NA1598	1M5 U0-U2 FXD VL	TPU	silver	VL	0.75	4	8	5	-20	100
NA1606	1T6 U0-U2 FXD	TPU	silver	smooth	0.80	4	8	6	-20	100
NA1591	2M5 U0-U2 FXD	TPU	silver	smooth	1.30	4	8	6	-20	100
NA1599	2M5 U0-U2 FXD VL	TPU	silver	VL	1.30	4	8	6	-20	100



NA1714	1M5 U0-U2 FXD AM	TPU	silver	smooth	0.75	4	8	5	-20	100
NA1754	1M5 U0-U2 FXD VL AM	TPU	silver	VL	0.75	4	8	5	-20	100
NA1753	2M5 U0-U2 FXD AM	TPU	silver	smooth	1.30	4	8	6	-20	100
NA1755	2M5 U0-U2 FXD VL AM	TPU	silver	VL	1.30	4	8	6	-20	100
NA1782	2M5 U0-U2 FXD AM blue	TPU	blue	smooth	1.30	4	8	6	-20	100

**FXD™** belts can be supplied with sealed edges.

## Profiles / Guides

Code	Type	Material	Colour	Dimensions b x h	Base	Hardness	Min. pitch		Temperature resistance	
							long.	transv.	min.	max.
ES898	K6x4 U P FXD	TPU	silver	6 x 4	flat	85	40	40	-20	60
ES948	K10 U P FXD	TPU	silver	10 x 6	flat	85	40	40	-20	60
ES899	K13 U P FXD	TPU	silver	13 x 8	flat	85	45	45	-20	60
ES883	T60 U FXD	TPU	silver	20 x 60	flat	85	-	45	-20	60

<sup>(1)</sup> Minimum radius / pulley diameter is dependent on the joint recommended by Chiorino.

The technical data are valid under normal environmental conditions and are subject to change without notice.

Due to the variety of different worldwide regulations, the information in this catalogue are valid for Europe. For other geographical areas please contact our Sales Departments.



## Certified Food Compliance

To protect Consumer's health, CHIORINO process and conveyor belts comply with the latest european and international Food Regulations:

REGULATION EC 1935/2004 and amendments

REGULATION EC 2023/2006 and amendments

REGULATION EU 10/2011 and amendments

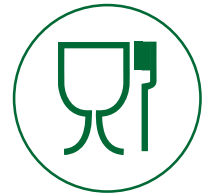
FDA (Food and Drug Administration)





# FXD<sup>TM</sup> AM

## Antimicrobial version



### Help preventing contamination Increase food safety & hygiene

Food industry is continuously establishing stricter hygiene standards to prevent contaminations by microorganisms that may cause serious foodborne diseases and costly product recalls.

Chiorino **HP<sup>®</sup> AM Antimicrobial** conveyor and process belts represent a breakthrough for food safety & hygiene.

The **HP<sup>®</sup> AM bacteriostatic action** prevents bacteria build-up on the belt surface by breaking the cycle of biofilm creation.

Chiorino **FXD<sup>TM</sup> AM** belts combine the **FXD<sup>TM</sup> dual detectability** with the **antimicrobial** properties of the Chiorino **HP<sup>®</sup> AM** line.

The result is the **ultimate food safety belt**.



#### Dual detectability

X-Ray & Metal detectors



#### Durable inhibition of biofilm growth

EC 1935/2004 & FDA food compliance



#### Preserve food quality

No contamination from the belt



### V-Label certifies

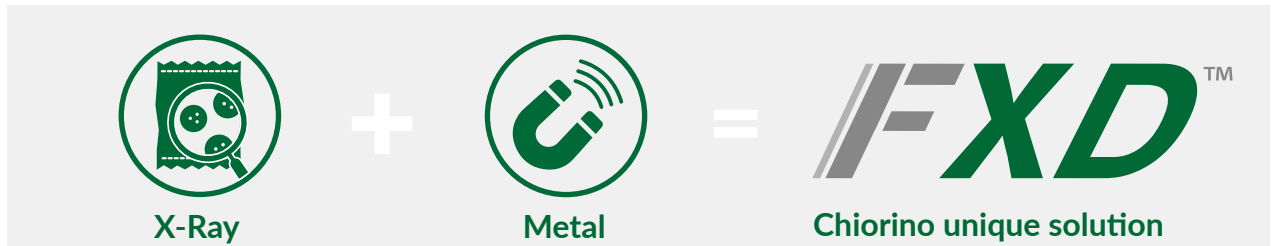
Process and conveyor belts have been assessed and certified as meeting the requirements of:

The **V-Label Criteria for Vegan Products, Version 1, 07.11.2019**, for the products certified and licensed by V-Label.









# Risk minimization

## Acting before reacting



### Dual detectability

X-Ray and Metal detectors

Chiorino <b>FXD™</b> engineered solution	 Detectable by X-Ray scanner
	 Detectable by Metal detector
Superior detectability	 Prevent Foreign Material Contamination
Total food compliance	 Minimize risk of product recalls
Antimicrobial version available also	 Waste reduction
	 Certified food safety
Combined exclusive features	 Easier and more efficient spare parts management
	 Optimized cost of ownership



### Premium performances

Unique engineered polyurethane

Excellent resistance to:	 Total food safety
<ul style="list-style-type: none"><li>Chemicals &amp; sanitization agents</li><li>Fats and aggressive oils</li><li>Mechanical stress caused by knife edges backflexing and scrapers</li></ul>	 Easy to clean
	 Increased production efficiency
	 Long service life

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Chiorino operates all over the world through the Group companies and more than 100 distributors.  
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