

# DETECTOMER<sup>®</sup>

A Full Line of Metal Detectable/  
X-Ray Inspectable Products

**DETECT &  
PROTECT**  
THE SCIENCE OF DETECTION

## DETECTOMER

METAL DETECTABLE

X-RAY INSPECTABLE



Provided by:

**Holland**<sup>®</sup>  
APPLIED TECHNOLOGIES  
[www.hollandapt.com](http://www.hollandapt.com)  
Phone: 800-800-8464

### Rubber Fab

a Garlock Hygienic Technologies company

[www.rubberfab.com](http://www.rubberfab.com)

# DETECTOMER®: PROVIDING PROCESSING SECURITY AGAINST ELASTOMERIC CONTAMINATION.

X-ray inspection and metal detection systems provide confidence to food, dairy and pharmaceutical manufacturers by insuring product safety and integrity as outlined by the Food Safety Modernization Act. Due to it's low conductivity, elastomeric material is often missed by even the strongest detection systems. Developing an effective inspection program to detect contaminants and monitor the consistency and quality of product is important. This helps avoid product waste, recalls, costly down time and customer complaints.

Rubber Fab is proud to present to you a full line of metal detectable/x-ray inspectable products designed to work with any existing conveyor, pipe line or free fall detection system. **DETECTOMER®** Products come in sanitary gaskets, o-rings, sanitary screens, sheet, rod, hose, tubing, extrusions, camlock gaskets & screens, scoops, scrapers, and adhesive strip.

**DETECTOMER®**: a simple step in providing processing security against elastomeric contamination.



Metal Detectable Patent # 7,390,580  
X-ray Inspectable Patent # 9,701,827

# DETECTOMER<sup>®</sup>

Patented  
Product!

## METAL DETECTABLE/ X-RAY INSPECTABLE ELASTOMERS

### Detecting Elastomeric Contamination During Food, Beverage and Pharmaceutical Processing

Rubber Fab is proud to present a full line of metal detectable/x-ray inspectable elastomeric products.

Over time and repeated clean-in-place, sterilization, and handling during equipment cleaning, component parts used in food, beverage and pharmaceutical processing equipment and pipework can degrade. As the elastomer degrades, there is a high risk of rubber fragments breaking off, resulting in product contamination, product recall, lost product and down time.

Designed to work with existing stainless steel piping and hose systems, Rubber Fab's line of Detectomer<sup>®</sup> products can be spotted by in-line x-ray inspection and metal detection systems as well as magnetic separators. Detectomer<sup>®</sup> fragments can easily be detected allowing your system to quickly reject contaminated product. This also allows worn parts to be replaced without great expense or costly downtime.

Rubber Fab offers a growing range of FDA and 3-A certified products, enabling manufacturers and end users to select the appropriate product to meet the temperature, chemical and specific performance needs.

Contact Rubber Fab's Technical Sales Department at 866-442-2959 or [sales@rubberfab.com](mailto:sales@rubberfab.com) for more information about Detectomer<sup>®</sup> products and how Rubber Fab may be able to help you test and adjust your system according to manufacturer's guidelines for sensitivity.

### Typical Applications for DETECTOMER<sup>®</sup> Products

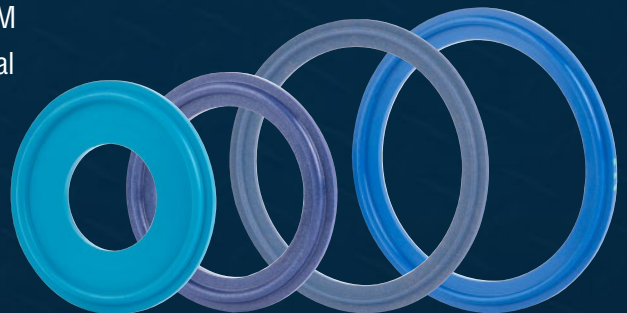
- Products in aluminum pans and tins
- Products in metalized film packaging
- Products in metal or aluminum cans
- Products in flow-wrapping lines
- Products in hermetically sealed bags

### DETECTOMER<sup>®</sup> Benefits

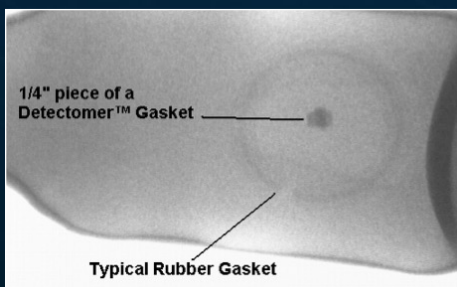
- Increase effectiveness of existing detection systems
- Reduce product loss
- Minimize product recall
- Decrease operating and labor costs
- Increase customer satisfaction

### Materials Available

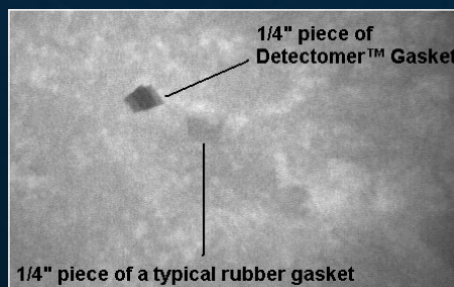
- Tuf-Steel<sup>®</sup>
- Buna
- Silicone
- EPDM
- Acetal
- FKM Fluoroelastomer
- UHMW
- Polyurethane



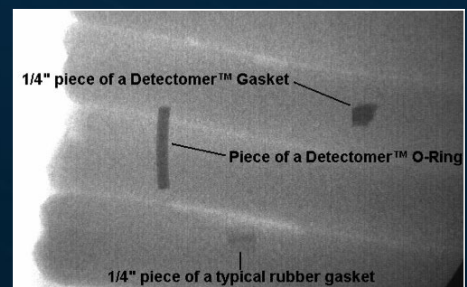
### Detectomer<sup>®</sup> Products in Action



Bottle of Hot Sauce



Bag of Sauerkraut



Package of Hot Dogs

# TUF-STEEL®

## THE ORIGINAL METAL DETECTABLE GASKET IS NOW ALSO X-RAY INSPECTABLE

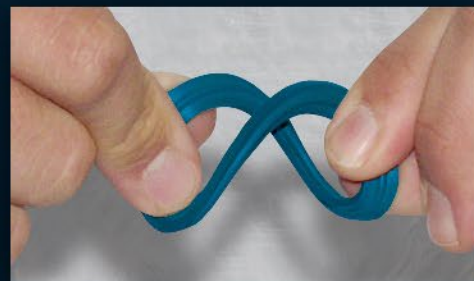
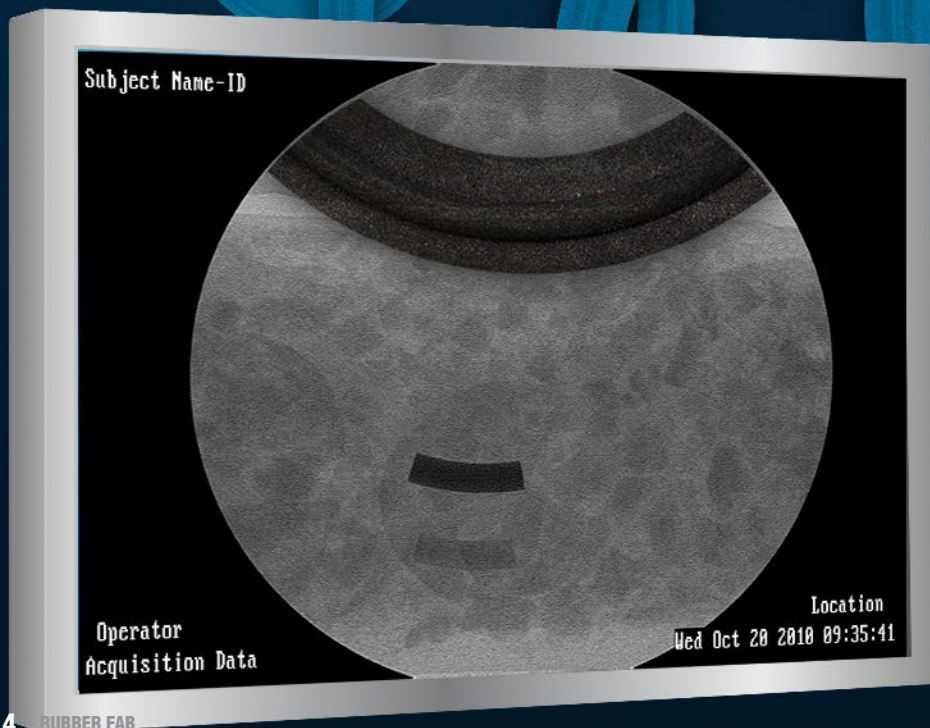
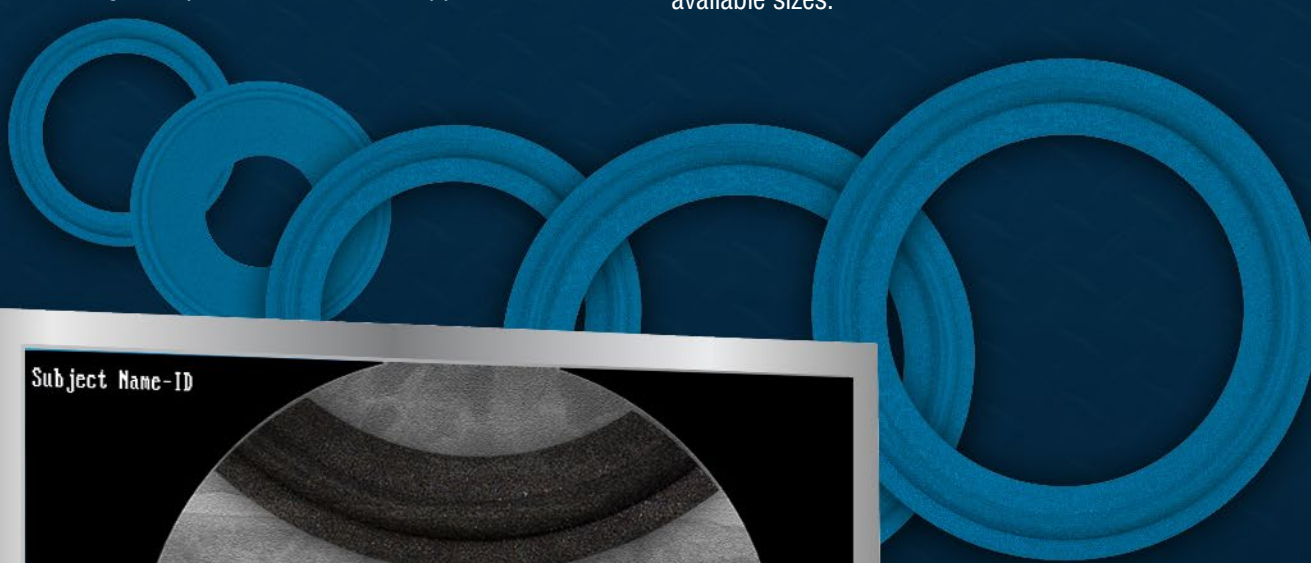
Most people are aware of the x-ray technology used in airports to inspect baggage and in medical offices to examine patients. X-ray technology also plays an important role in food, pharmaceutical, chemical, packaging and other industries. State-of-the-art x-ray inspection systems help ensure product and package integrity by identifying contaminants, scanning for missing or broken products, detecting packing voids, confirming fill levels and controlling product and package mass and fat analysis.

The entire Detectomer® Tuf-Steel® family of products can be x-ray detected in use with packaging and product that includes glass, metal, stone and high-density plastics, even for products packaged in foil or metalized film. Detectomer® Tuf-Steel® is designed for demanding steam applications, high temperature and hot oil applications.

### The Exclusive Properties Of TUF-STEEL®

PROPERTY	ASTM METHOD	VALUE
Specific Gravity	D792	3.45
Tensile Strength	D4894	1928psi
Elongation @ Break	D4894	270%
Compressive Stress @ 1%	D695	832
Compressive Stress @ 5%	D695	2590
Compressive Modulus	D695	84200
Hardness	D2240	68
Temperature Low	Continuous	-320°F
Temperature High	Continuous	550°F

Contact Rubber Fab's Technical Sales Department at 866-442-2959 or [sales@rubberfab.com](mailto:sales@rubberfab.com) for more information and available sizes.





### DETECTOMER® O-RINGS, CORD AND SIZING CONE

The o-ring is a simple and versatile seal that can be used in thousands of applications. Rubber Fab offers a full line of standard, metric and specialty o-ring sizes in metal detectable/x-ray inspectable materials. Rubber Fab's Quad Ring X type design creates a better seal over the standard o-ring and makes dynamic sealing possible with reduced friction. Quad rings are available in metal detectable/x-ray inspectable Buna and Silicone.

Our O-ring Sizing Cone is the ideal tool for quick and easy identification of standard AS568 o-ring sizes. The base of the cone has 5 slots to determine the o-ring width. Just slide the o-ring over the cone to identify the corresponding dash number. Dash numbers are permanently molded into steps around the cone for precise identification.

### DETECTOMER® SANITARY METAL DETECTION TUBE

Rubber Fab's sanitary metal detection tube assemblies are made to be installed inside Metal Detection Equipment. Manufactured using steam-cleanable Kynar® that meets USDA and FDA standards, our Metal Detection Tubes are suitable for system temperatures of -40°F to +240°F, and 316L sanitary Tri-Clamp® connections.

Available in 1.5" - 4". Laser engraved connections also available.





## DETECTOMER® ADHESIVE-BACKED STRIPS

Available in 36" strips or 50ft extruded lengths and in Silicone only.

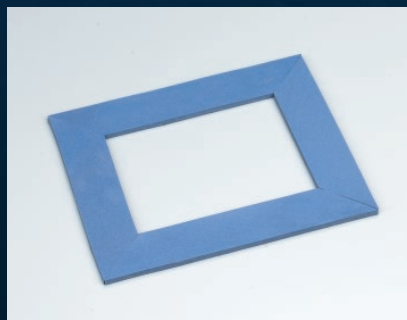
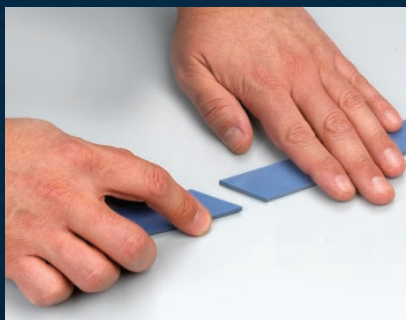
Thickness available is 1/16" through 1/4".

Available in 1/2", 3/4", 1", 1 1/2", 2", and 4" wide thickness tolerance of +/- 0.030" thickness.



## DESIGN AND BUILD YOUR OWN SEAL

With Rubber Fab's Detectomer® Adhesive-Backed Strips



**ENDLESS POSSIBILITIES...**

# DETECTOMER<sup>®</sup> CUSTOM FABRICATION

Just because your application demands custom products doesn't mean it can't be metal detectable/x-ray inspectable. Not only can a Detectomer<sup>®</sup> product be molded to meet your specific requirements, it can also be fabricated, machined, lathed or waterjet cut.

Contact Rubber Fab's Technical Sales Team at 866-442-2959 for all of your application requirements and the unlimited possibilities of Detectomer<sup>®</sup>.

## DETECTOMER<sup>®</sup> SHEET

Detectomer<sup>®</sup> sheet can be waterjet cut into custom patterns

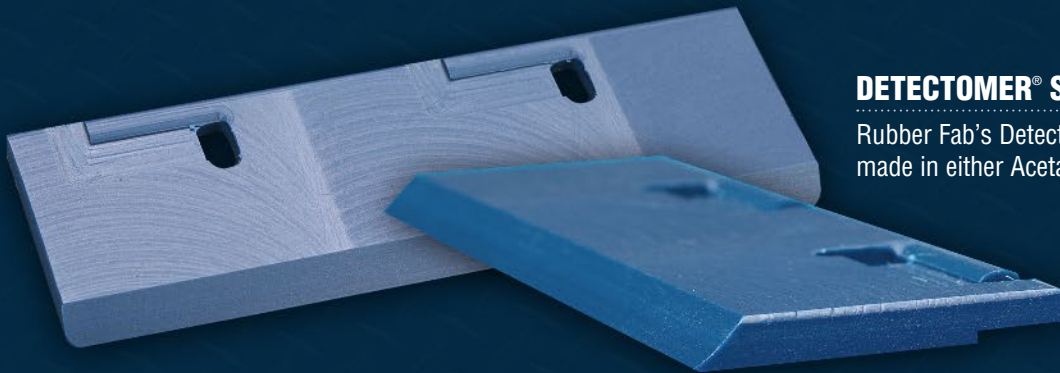
### AVAILABLE SIZES:

36" X 36"

### AVAILABLE THICKNESS:

3/32", 5/32", 1/16", 3/16", 5/16", 7/16", 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1"

Please consult Rubber Fab's website for part numbering scheme.



## DETECTOMER<sup>®</sup> SCRAPERS

Rubber Fab's Detectomer<sup>®</sup> Scrapers are made in either Acetal or UHMW.

## DETECTOMER<sup>®</sup> PROFILES AND CORD

Rubber Fab can extrude custom profiles and cord in silicone and can be cut and bonded.





# Rubber Fab's Hose, Hose Assemblies, Tubing, Fittings and Adapters

- High Purity Platinum Silicone Hose, Tubing, Sanitary Molded Ends
- PTFE & FEP Lined Smooth Bore & Convuluted Hose
- Metal Hose
- FDA Rubber Hose
- FDA PVC Hose, Tubing, Sanitary Molded Ends
- Sight Gauges: PTFE & Polysulfone
- Fittings & Adapters: 316L, Special Alloys & Non Metallic
- Golden Bridge Hose Support



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