



AMFEC

AMERICAN FOOD EQUIPMENT COMPANY

WWW.AMFEC.COM

534547657568
675756756756
7867876889
7878678789789
87798797
7867886976
78979878978

23423435345464
5446565464656646
657656567
786768
67866876876
786768678
786767

2564	5464	6445	8787	6464	977777	6868	7566
54534	464646	4544646	644	5464	445	443	4544
45465	4432113	4313	43131	43131	4131	4131	644

INSPECTION & AUTOMATION METAL SEPARATOR - HQ

powered by

p-u-l-s-o-t-r-o-n-i-c

ANLAGENTECHNIK

HQ - M-PULSE2 / M-PULSE3 BD - HD

SPECIFIC CHARACTERISTICS

- speed-controlled, high-capacity engine
- high-performance fade-out of product effect
- various separating attachments available
- belt available in different materials and designs
- special designs (curved conveyors, elevating conveyors etc.)
- height adjustable and optionally mobile
- hygiene design
- customised designs
- equipment according to international standards (M&S, Tesco...)
- conditions of use – storage temperature -20°C – 60°C



APPLICATION

The conveyor belts HQ in combination with our metal detectors of the BD-HD series result in a high-sensitivity and highly reliable device for the detection and the separation of metal. All devices are manufactured individually according to your requirements. The construction as well as the manufacturing of the HQ series are completely realised in our headquarters.

Due to this fact and to our expertise we provide for the optimum solution for each of your assignments. Our plants are used in all branches of industry. Particularly they serve for the inspection of singular goods or bulk material.

The robust design in stainless steel stands for longevity and comes up to strict hygienic standards.



FUNCTION

The conveyor belt leads the test material through the metal detector. The detector scans the products and analyses the data in real-time. Powerful processors allow a high-precision fade-out of the product effect. Furthermore interfering influences as for example vibrations can effectively be eliminated. Even at high velocities the device works reliably and precisely. If metal is detected in the test material, there are different possibilities for the separation of the contamination.

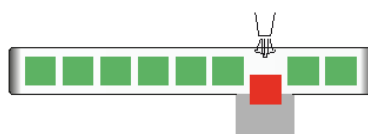
The easiest way is to get the conveyor belt stopped automatically and to remove the contamination manually. After that the conveyor belt restarts at the push of a button. For highly automated manufacturing plants we recommend a separating system that works automatically. Thereby the metallic contamination is detected precisely by a light barrier. Thus the position of the contamination in the product stream is clear and the metallic residues can be separated. If there are several products in the sensor range at the moment of the detection of metal, the high-performance technology allows the automatic exclusion of all questionable products. There are different principles for separating the contamination:

SUITABLE FOR PRODUCTS ARRANGED IN A SINGLE ROW:

pusher

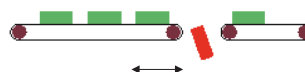


blow nozzle



SUITABLE FOR OTHER PRODUCTS:

retracting belt



ejection chute



EQUIPMENT

All conveying plants are serially equipped with an adjustable engine. The conveyor belt, an open link chain belt or polyurethane belt, is even and without curves. Special versions available on request. It possesses height adjustable stands (± 50 mm) without ear. The power switch and the start/stop button are serially integrated. The entire frame construction as well as the switch cabinet are made of stainless steel and are fully capsuled (IP 65). Information concerning the sensitivity are given in the data sheets of the BD-HD series. Equipment for the control electronics you will find in the data sheets of the electronics M-Pulse2 / M-Pulse2pro / M-Pulse3.



CUTTING-EDGE TECHNOLOGY IN X-RAY INSPECTION



Phone:

208-614-6030

Mail:

info@amfec.com

Website:

www.amfec.com

Address:

4923 East Linden Street
Caldwell, ID 83605

SEE MORE ON
OUR WEBSITE

