360° 罐子检测

360 度检测非常准确可靠,已被证实的用于混合检测系统,彩印&罐的标签.该系统集成了多个函数在一个系统中:

- 条形码阅读
- 二维数据矩阵码阅读
- 装饰检验

精度: 缺陷尺寸 ~2x2 – 3x3mm*
比率: 检测可靠性: 99-99,9%* 误剔除率: 0,1 – 0,01%*

速度: 60.000 - 90.000 瓶每小时(婴幼儿奶粉 & 饮料) 在相应的输送带速度下.

包装类型: 罐子/瓶子/各种圆形产品 (婴幼儿奶粉, 饮料). 罐子检测最佳尺寸 ø99mm 和 ø127mm 和 <200mm 高度.

理想状态: 1 个罐子直径的空间.

认证 & 等级:
CE 认证
低压认证质量
2006/95/EC
电磁适应性指令
2004/108/EC

机械信息

总重	500 kg
规格	L 1300 x W 1300 x H 1802 mm**

*取决于错误类型和在罐子的位置. 这些是预期的数据 和最优的条件下.
**封装规格和标准高度.

功能

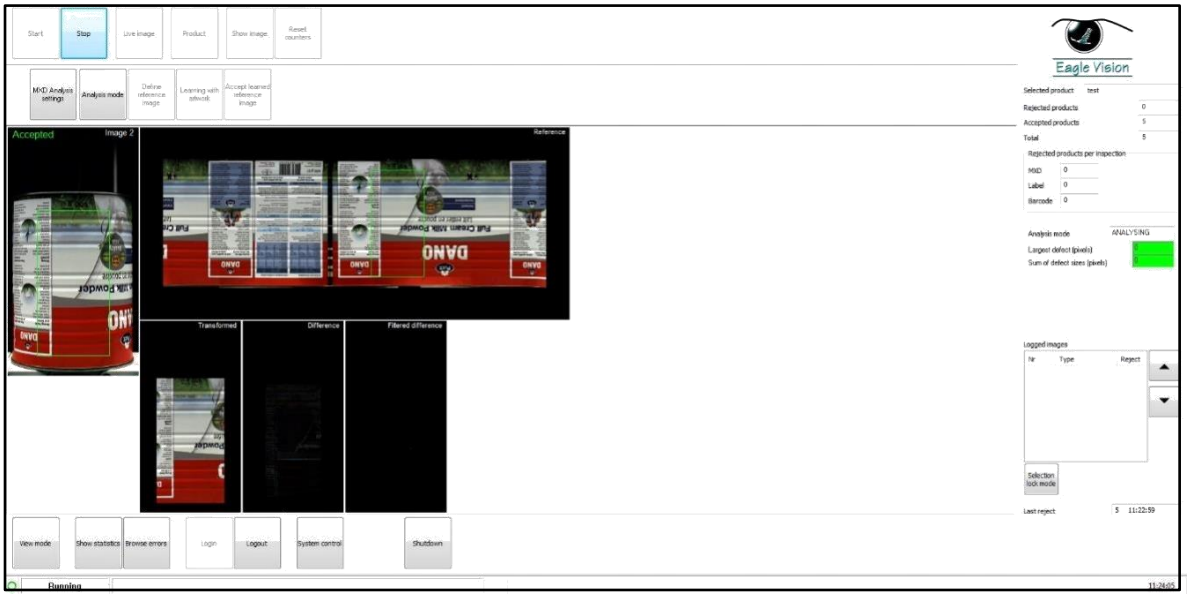
- 条形码阅读 (梯 + 栅栏)
- 二维码阅读, 包括 QR 码
- 装饰检测 (颜色打印质量, ghost打印 (重复打印), 倒罐和破损)
- 标签位置 (可选)
- 盖子检测 (可选)
- 模块扩展 e.g. 空罐检测 (内壁 + 边缘)
- 模块扩展 e.g. 喷码阅读批量代码 (顶端和底部)

产品特点

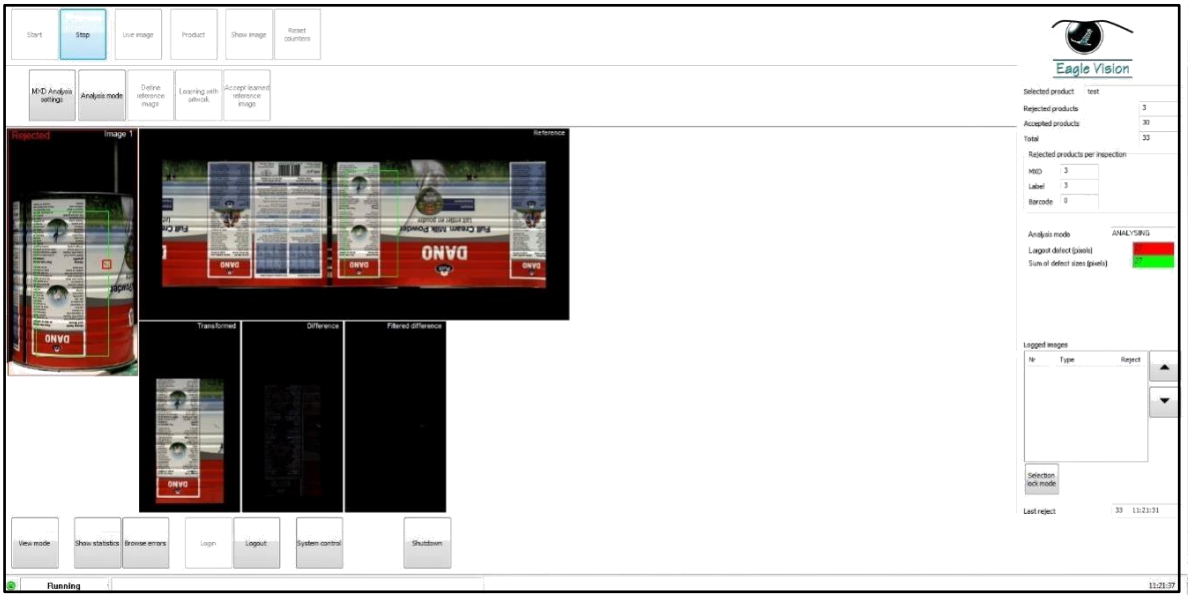
- 自动学习功能
- 使用产品库短转换时间
- 不需要机械调整
- 标准系统
- 随机产品定位
- 简单产线安装
- 不锈钢卫生框架, 用于罐子灌装线和罐子生产线
- 网络连接
- 远程访问连接
- 统计和图片存储
- 友好操作界面
- 简易维护因为没有可移动的备件

合格罐子

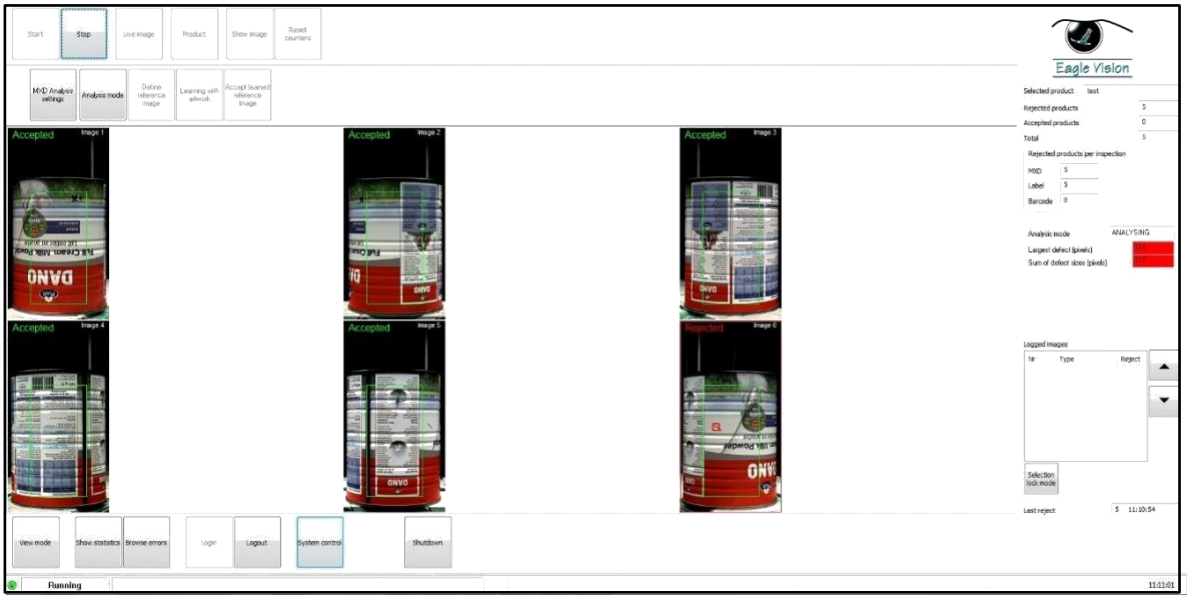
Start
Stop
Live image
Product
Show image
Reset counters
MXD Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product
Rejected products
Accepted products
Total
Rejected products per inspection
MXD
Label
Barcode
Analysis mode
ANALYSING
Largest defect (pixels)
Sum of defect sizes (pixels)
Logged images
Nr
Type
Reject
Selection lock mode
Last reject
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running

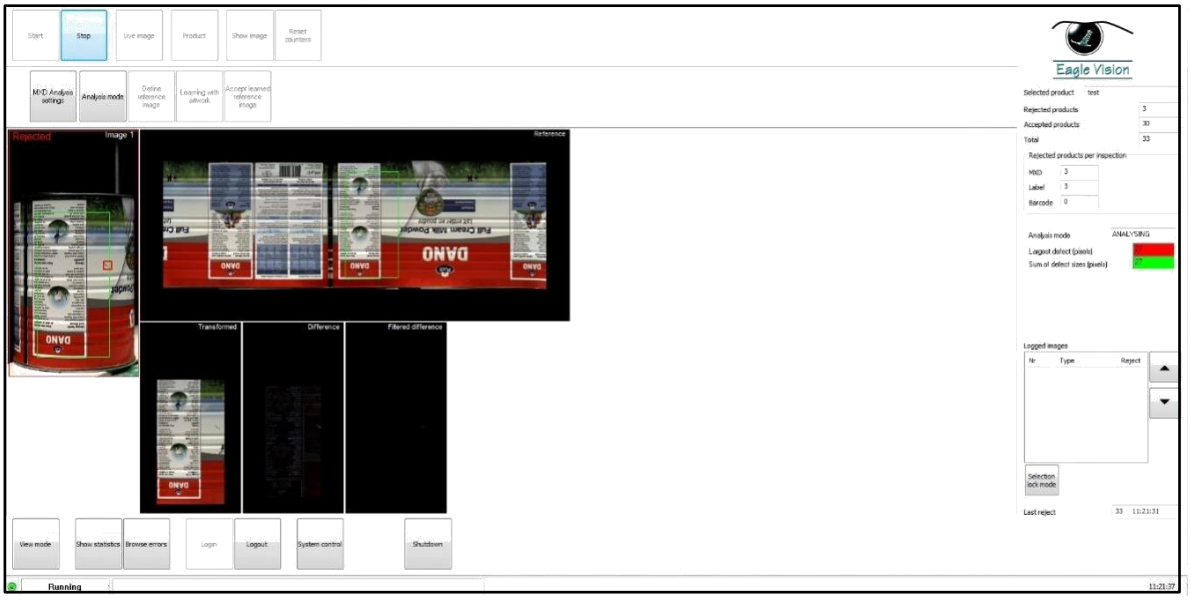

Start
Stop
Live image
Product
Show image
Reset counters
MXD Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product
Rejected products
Accepted products
Total
Rejected products per inspection
MXD
Label
Barcode
Analysis mode
ANALYSING
Largest defect (pixels)
Sum of defect sizes (pixels)
Logged images
Nr
Type
Reject
Selection lock mode
Last reject
Accepted
Reference
Transformed
Difference
Filtered difference
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running

刮痕 0.4-9mm (取决于在罐子上的位置)

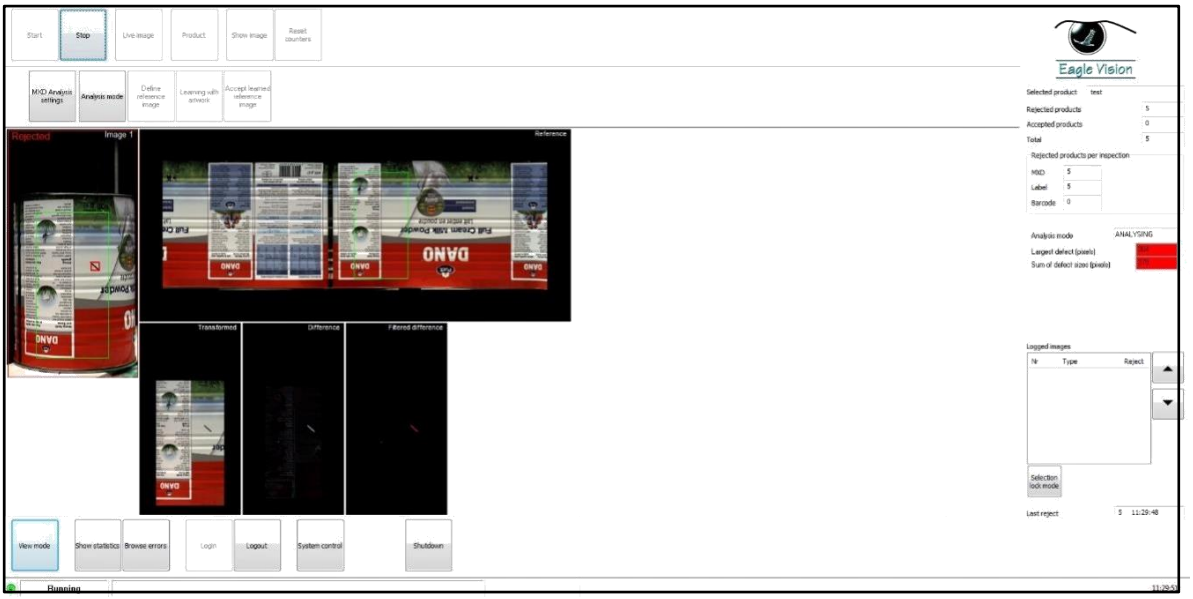


刮痕 0.8-9mm (取决于在罐子上的位置)

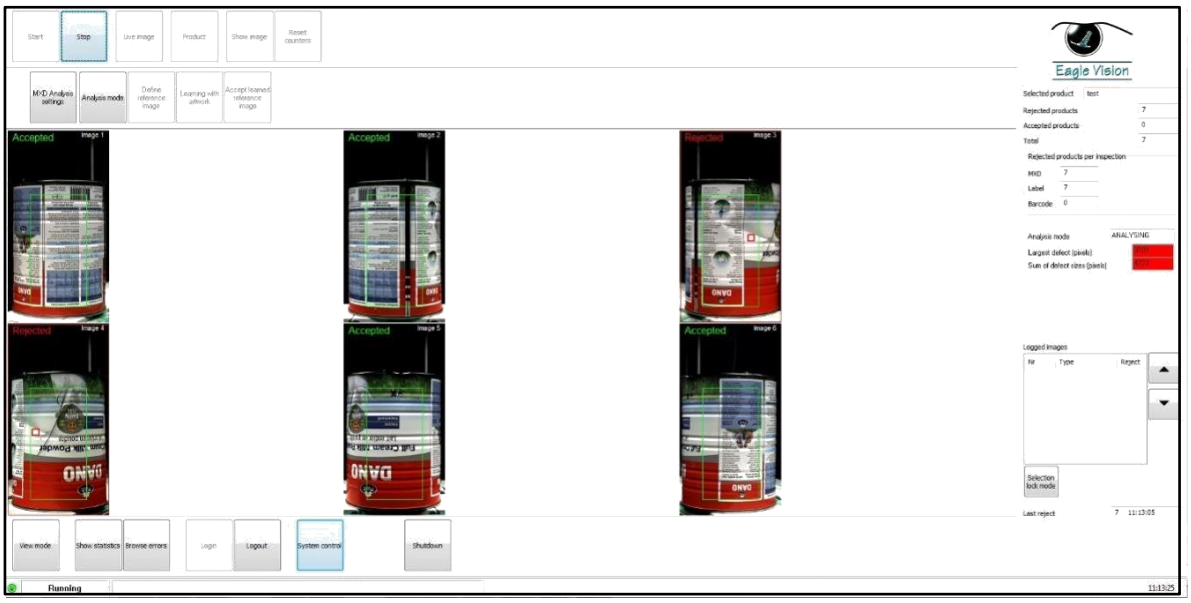


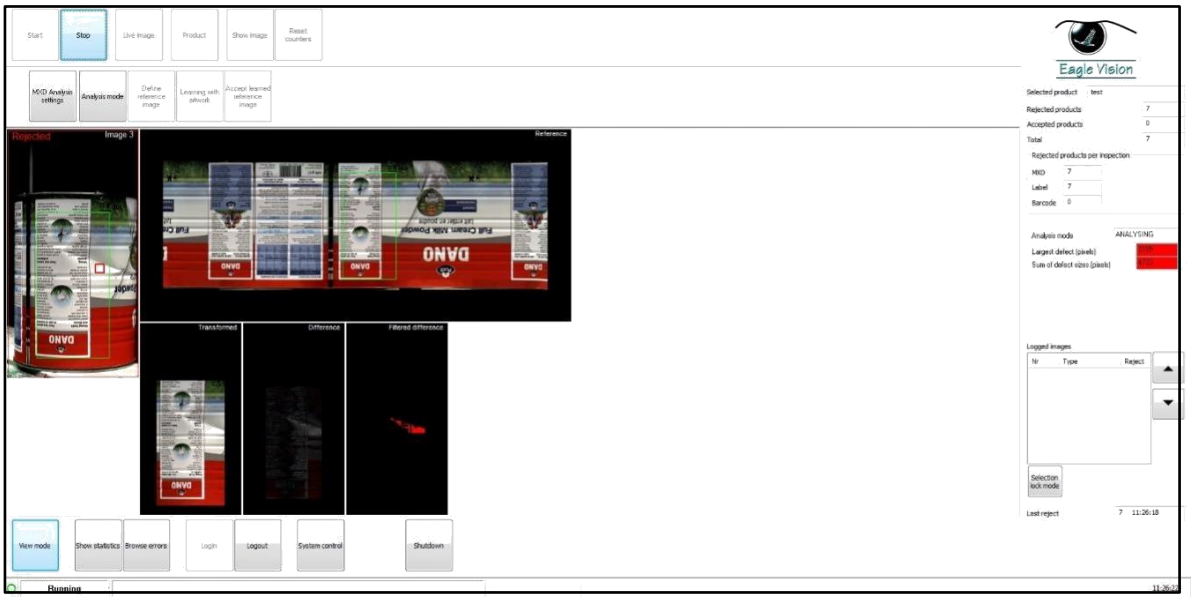


刮痕 1-9mm (取决于在罐子上的位置)



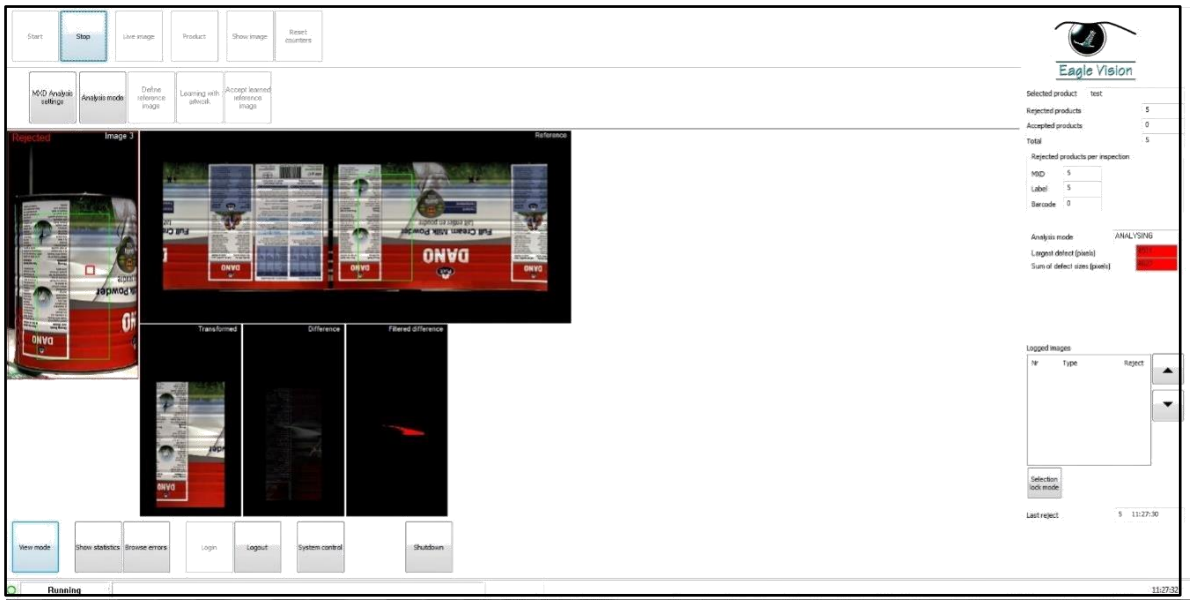
凹陷 罐-1


Start
Stop
Live image
Product
Show image
Reset counters
M/D Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product
test
Rejected products
7
Accepted products
0
Total
7
Rejected products per inspection
MID
7
Label
7
Barcode
0
Analysis mode
ANALYSING
Largest defect (pixels)
Sum of defect sizes (pixels)
Logged images
Nr
Type
Reject
Selection lock mode
Last reject
7 11:13:05
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running
11:13:25


Start
Stop
Live image
Product
Show image
Reset counters
M/D Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product
test
Rejected products
7
Accepted products
0
Total
7
Rejected products per inspection
MID
7
Label
7
Barcode
0
Analysis mode
ANALYSING
Largest defect (pixels)
Sum of defect sizes (pixels)
Logged images
Nr
Type
Reject
Selection lock mode
Last reject
7 11:26:18
Rejected
Image 3
Reference
Transformed
Difference
Filtered difference
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running

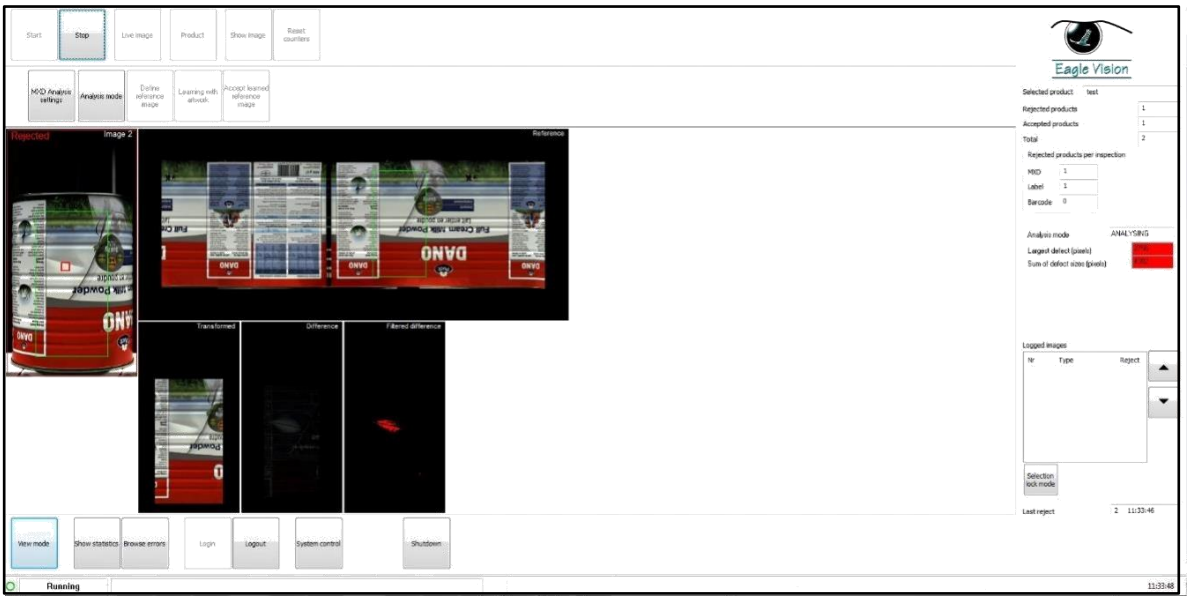
凹陷 罐-2

Eagle Vision
Accepted
Rejected
Running

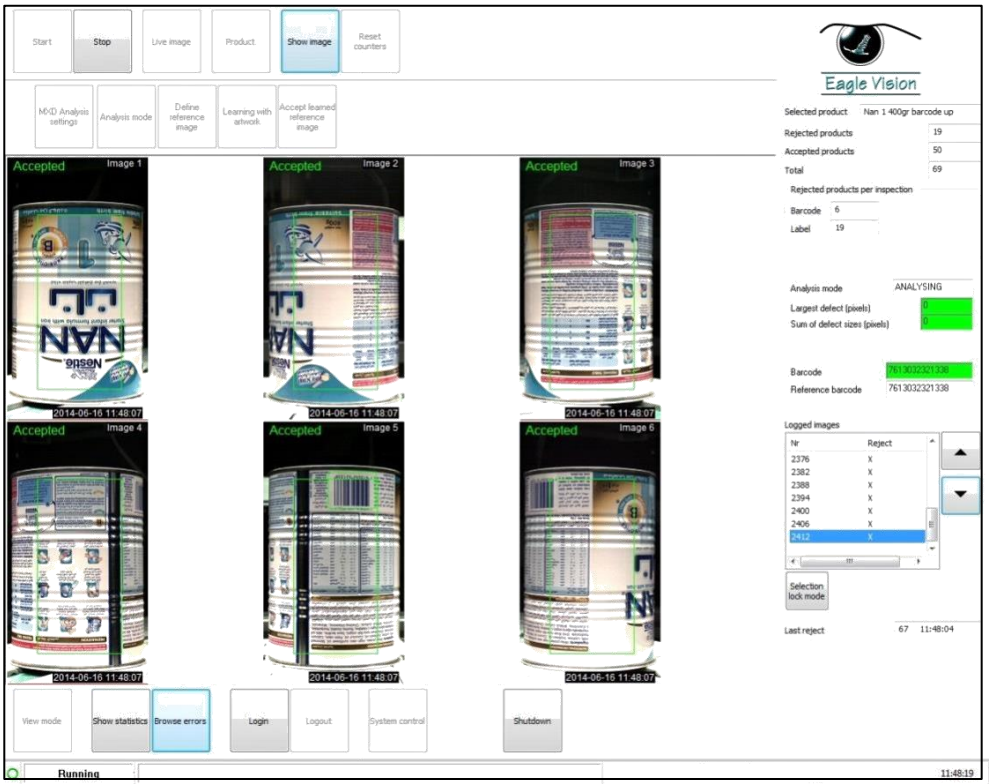

Eagle Vision
Rejected
Reference
Transformed
Difference
Filtered difference
Running

凹陷 罐-3

Start
Stop
Live image
Product
Show image
Reset counters
M&D Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product
test
Rejected products
Accepted products
Total
Rejected products per inspection
MRD
Label
Barcode
Analysis mode
ANALYSING
Logged images
Nr
Type
Reject
Selection lock mode
Last reject
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running

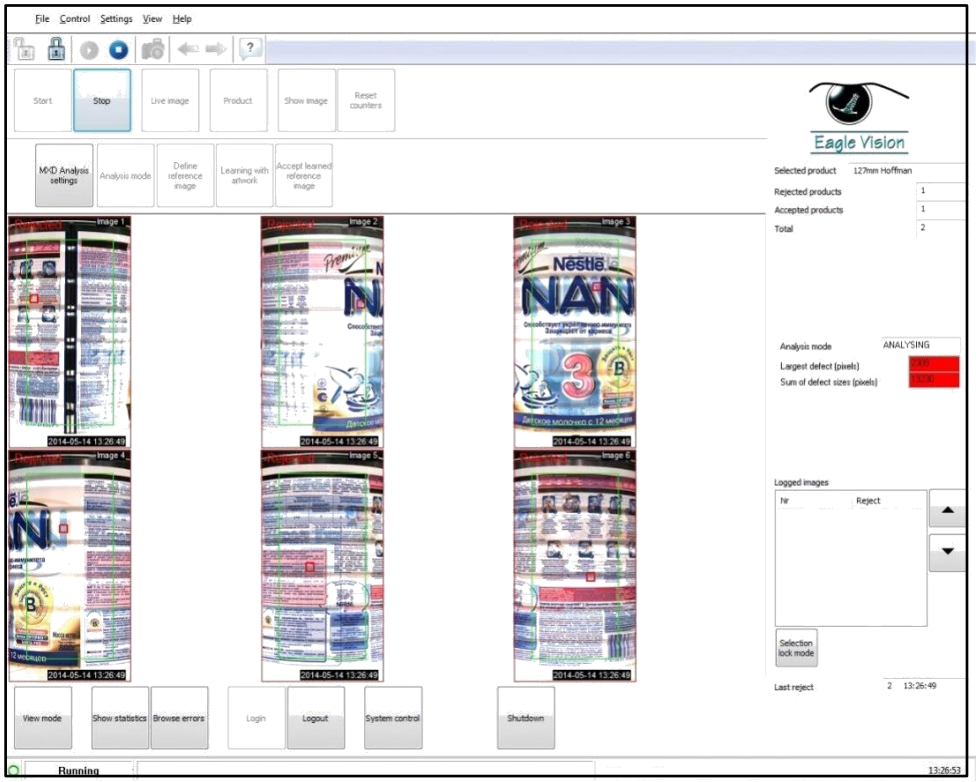

Start
Stop
Live image
Product
Show image
Reset counters
M&D Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product
test
Rejected products
Accepted products
Total
Rejected products per inspection
MRD
Label
Barcode
Analysis mode
ANALYSING
Logged images
Nr
Type
Reject
Selection lock mode
Last reject
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running

合格罐子样本

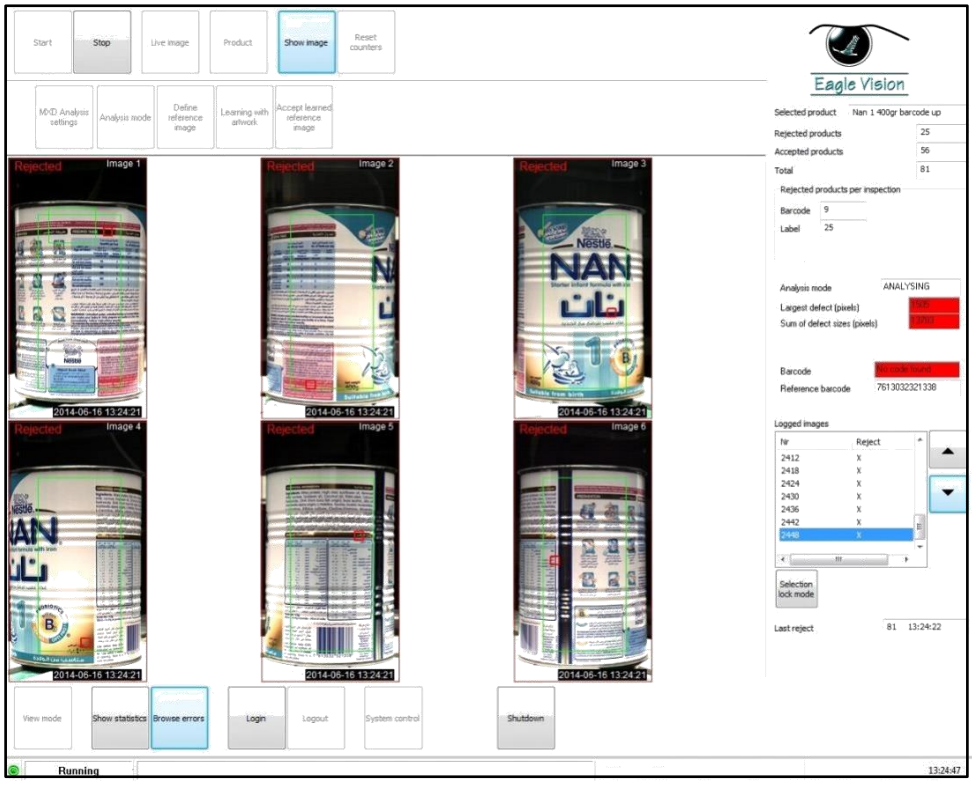


不正确 条形码 + 装饰

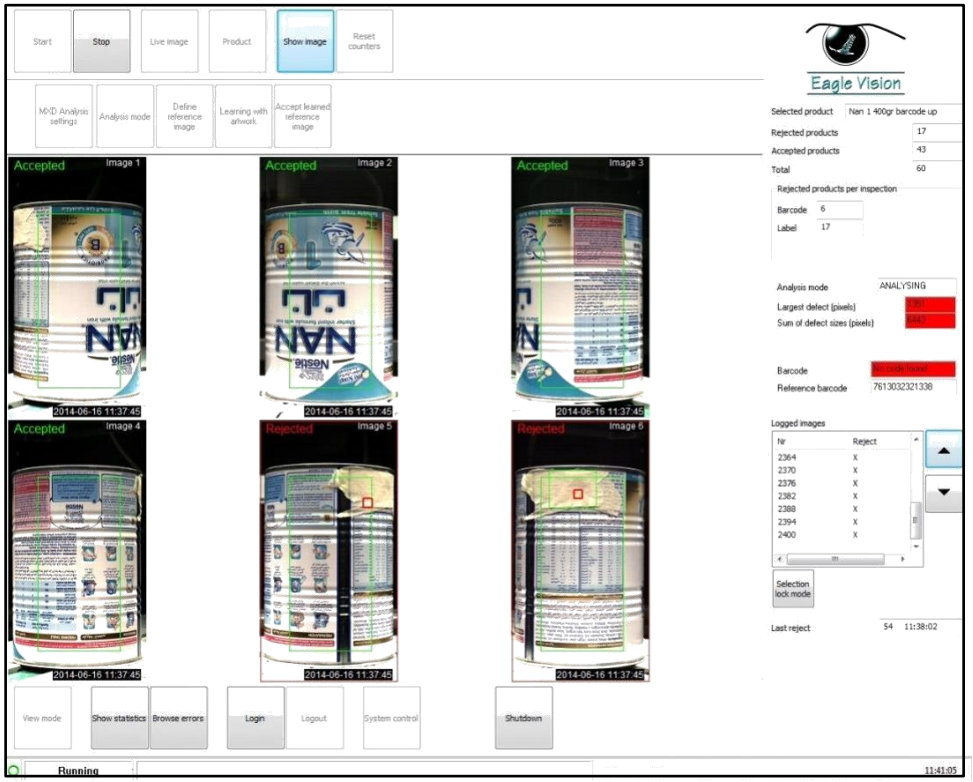
黑接头和重复打印


File Control Settings View Help
Start
Stop
Live image
Product
Show image
Reset counters
MXD Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product 127mm Hoffman
Rejected products 1
Accepted products 1
Total 2
Analysis mode ANALYSING
Largest defect (pixels)
Sum of defect sizes (pixels)
Logged images
Nr
Reject
Selection lock mode
Last reject
2 13:26:49
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running
13:26:53

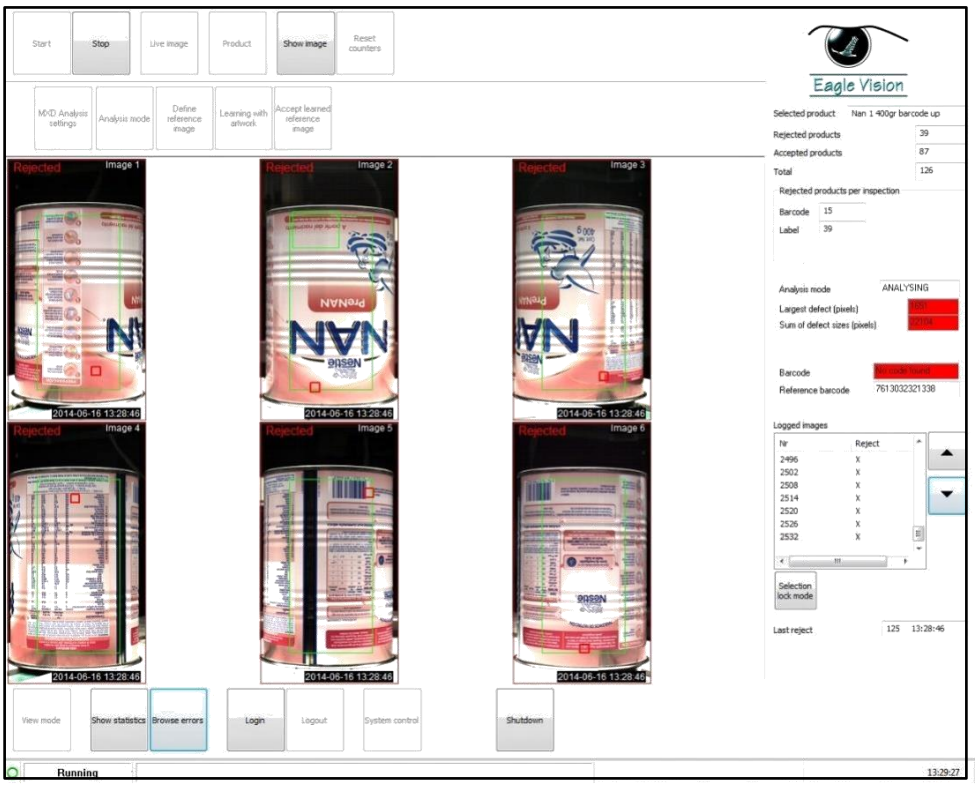
倒罐


Start
Stop
Live image
Product
Show image
Reset counters
MXD Analysis settings
Analysis mode
Define reference image
Learning with artwork
Accept learned reference image
Eagle Vision
Selected product Nan 1 400gr barcode up
Rejected products 25
Accepted products 56
Total 81
Rejected products per inspection
Barcode 9
Label 25
Analysis mode ANALYSING
Largest defect (pixels)
Sum of defect sizes (pixels)
Barcode
Reference barcode 7613032321338
Logged images
Nr
Reject
Selection lock mode
Last reject
81 13:24:22
View mode
Show statistics
Browse errors
Login
Logout
System control
Shutdown
Running
13:24:47

条形码缺失



混合罐



Eagle Vision隶属美国工业物理集团饮料罐装事业部。
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