



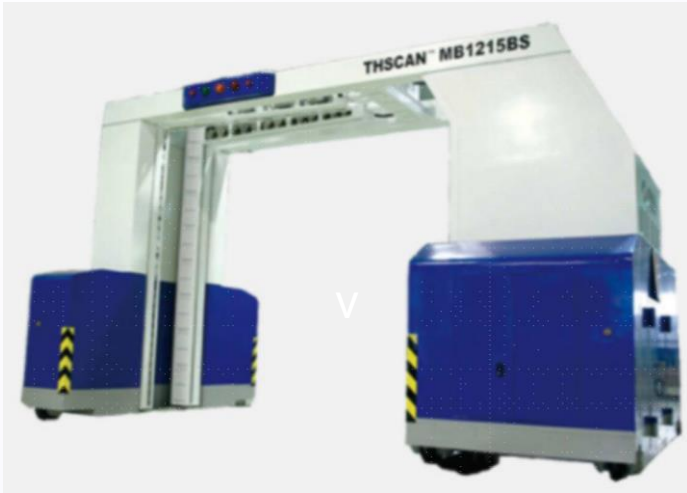
# **Smarter Image, Faster Clearance**

Accelerating Efficiency Through  
NII and AI-powered Image Review

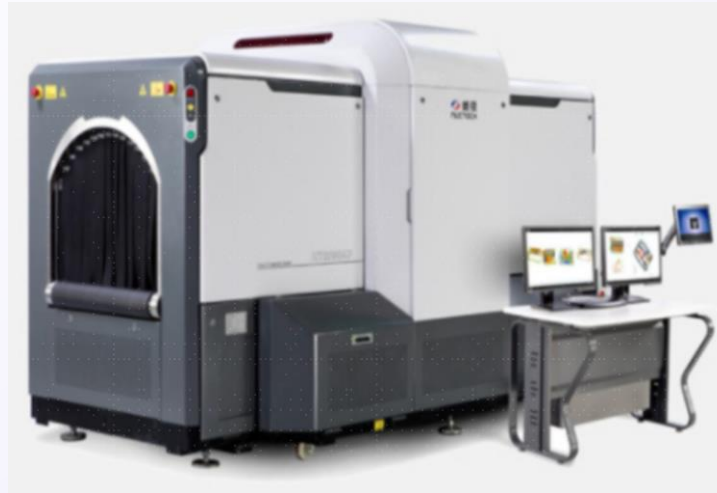
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Lei Dongying, General Administration of China Customs  
WCO Technology Conference & Exhibition, 2026.01.28

# Non-Intrusive Inspection Equipment



**Large-scale NII System**



**CT Scanner**



**X-ray Machine**

# Non-Intrusive Inspection Equipment



1



**Fixed**

2



**Combined**

3



**Vehicle-mounted**

4



**Rapid-inspection**

5



**Train-specific**

6



**Small-vehicle-specific**

- **Vehicle inspection in 2 minutes**
- **Container inspection in 2.5 minutes**
- **Train inspection at a rate of 2,100 carriages per hour**

# Customs Supervision Facing New Challenges

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**Surging Trade  
Volumes**



**Complex Border  
Security Threats**



**Demands for Rapid  
Customs Clearance**

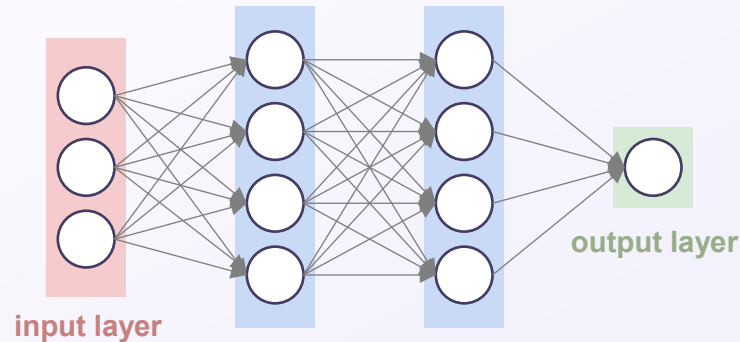
# AI-powered Image Review System



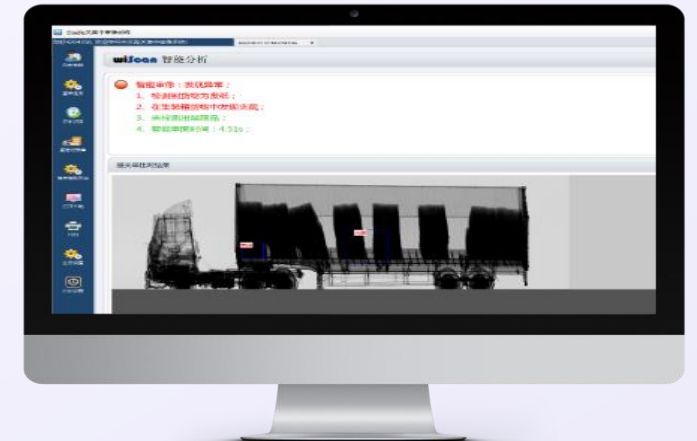
Massive Image Data



Document Information



Algorithms

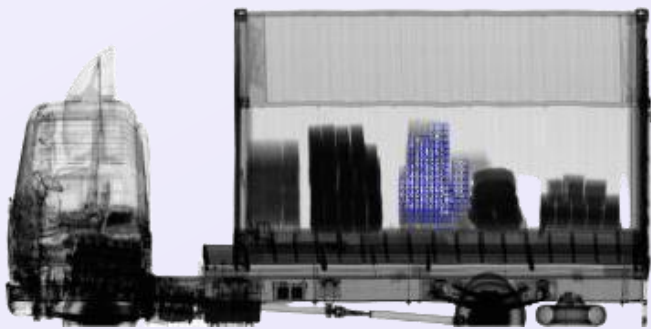


Warning Message

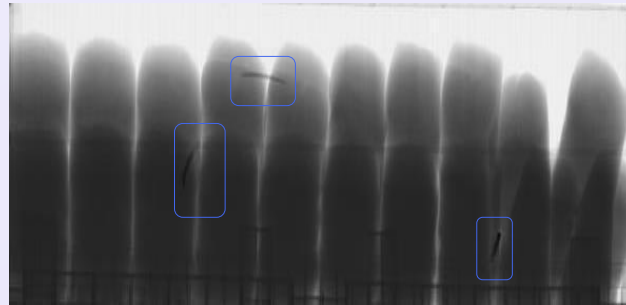
# AI-powered Image Review System



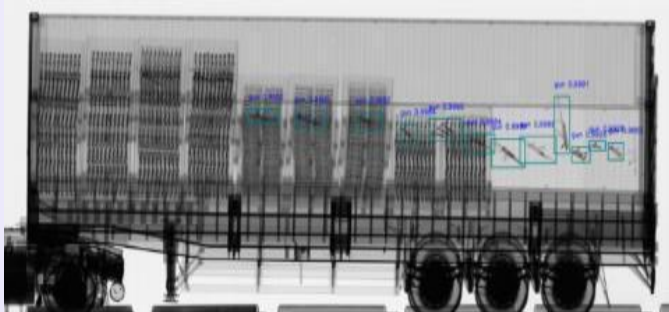
## Interception Algorithms



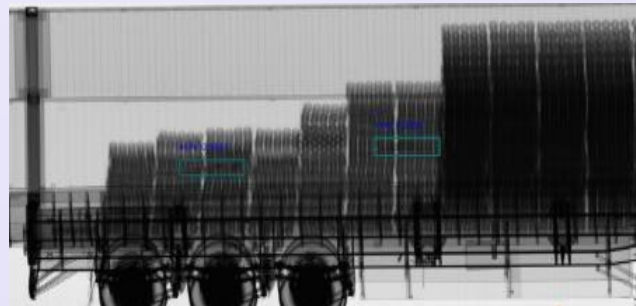
**Cigarette**



**Ivory**

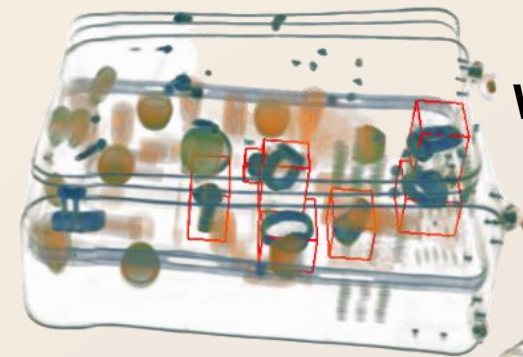


**Firearm**

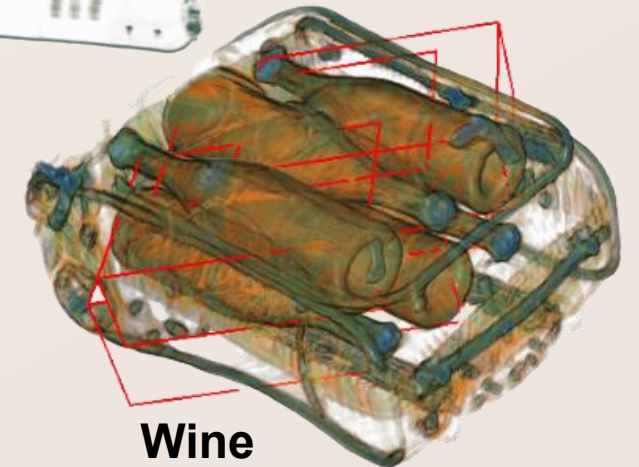


**Knife**

## Recognition Algorithms

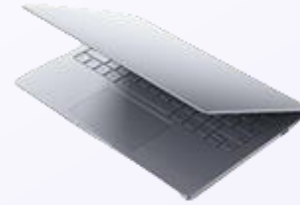


**Watch**



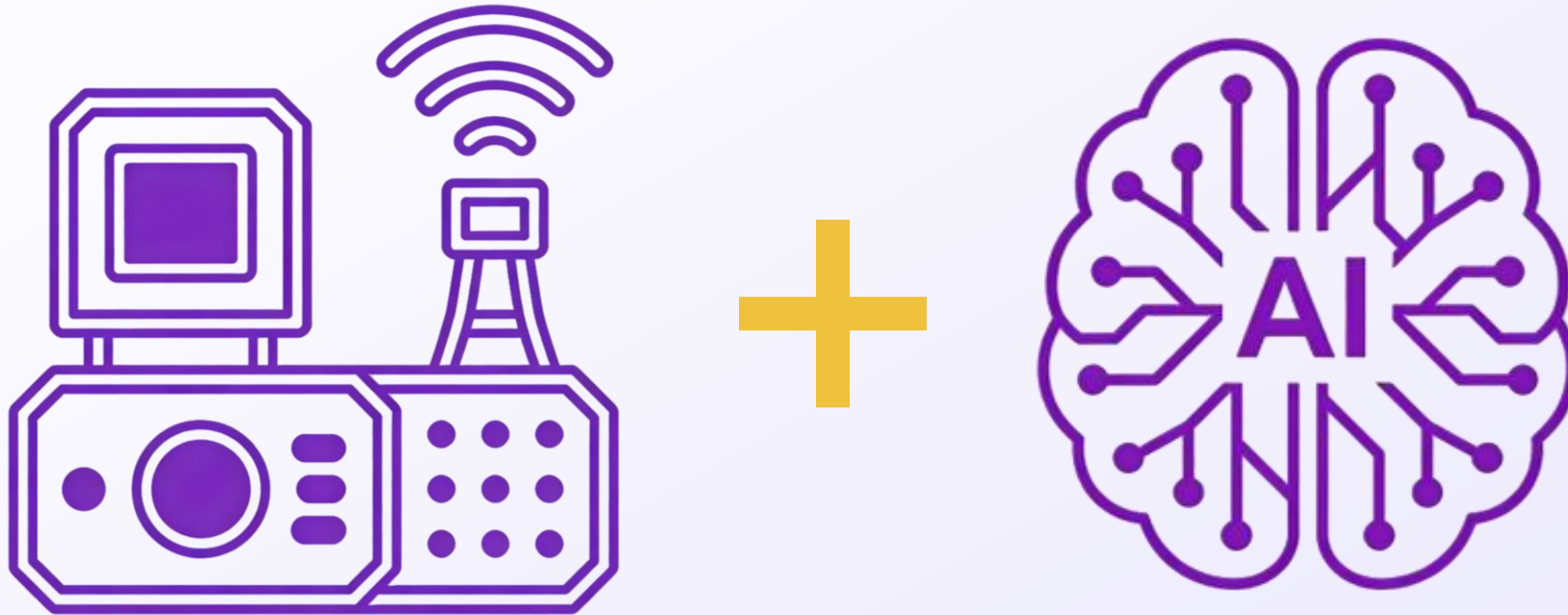
**Wine**

# AI-powered Image Review System



# Next-generation Technology

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# Hopes For Future Cooperation



01

**New Technology Application**

02

**Customs Digitalization**

03

**Intelligent Equipment Development**



Let's work together to address new challenges and foster prosperity in international trade!



# Thanks

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