



## FLOWD 8020

# X-RAY PROTECTIVE CLOTHING TESTING

COMPLIANT WITH DIN 6857-2  
AND ÖNORM S 5213



- Healthcare facilities
- Radiography rooms
- PPE manufacturers
- Test laboratories



## KEY FEATURES

- Auto-detection of weak areas
- Determination of lead equivalence
- Full size image
- Safety from X-ray radiation
- Plug & Play
- Enhanced mobility

## TESTING OF X-RAY PERSONAL PROTECTIVE EQUIPMENT HAS BECOME EASY!

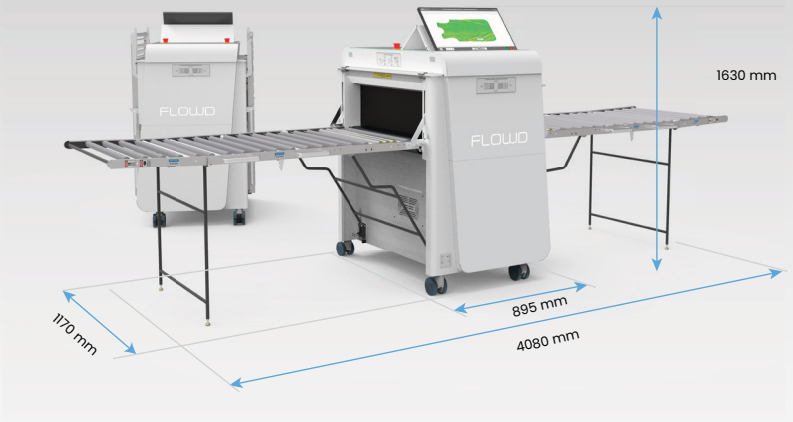
Flaws detector FlowD 8020 is created both for non-destructive radiographic tests of X-ray personal protective equipment to approve its further use and for quality control of X-ray protective materials in X-ray PPE manufacturing companies.

The device is capable of testing various types of X-ray PPE: aprons, skirts, vests, thyroid collars, etc. Moreover, the core protective material can be of any type: pure lead, leaded rubber, lead free rubber etc.

The device doesn't require special protective rooms as its dose rate doesn't exceed  $1 \mu\text{Sv/h}$  at any point at a distance of 0.1 from the device's outer surface.

# GENERAL SPECIFICATIONS

X-RAY UNIT	
Anode voltage, kV	80 - 100 kV
Anode current, mA	1,2 - 1,0 mA
INSPECTION WINDOW	
Height	240 ± 5
Width	870 ± 3
DIMENSIONS OF INSPECTED OBJECT	
width	750 mm
height	200 mm
length	1300 mm
MAXIMUM CONVEYOR LOAD	
	25 kg
WEIGHT	
	400 kg



**CONFORMITY CERTIFICATES**  
 CE № 201299122EN · ISO 13485:2016 · ISO 9001:2015 ·  
 ISO/IEC 27001:2013 · ISO 45001:2018 · ISO 14001:2015

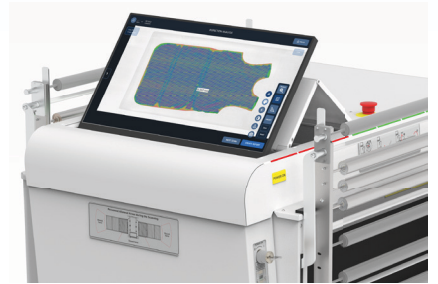
# AUTOMATIC SOFTWARE ALGORITHMS



1. RED-GREEN COLORING, HIGHLIGHTING THE CONDITION OF PPE



2. AUTOMATIC DETECTION OF DEFECTS (CRACKS, BREAKS, TEARS, ETC.)



3. DETERMINATION OF LEAD EQUIVALENCE OF PPE



4. AUTOMATIC DETECTION OF WEAK AREAS SHOWING LEAD EQUIVALENCE VALUE



5. CALCULATION OF THE HETEROGENEITY OF THE X-RAY PROTECTIVE MATERIAL



6. GREAT SPATIAL RESOLUTION UP TO 1 LP/MM



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