

FLOWD 8020



TEST LABORATORIES



HOSPITALS



GOVERNMENTAL
CERTIFICATION
INSTITUTES



MANUFACTURER OF
X-RAY PROTECTIVE
CLOTHING



METROLOGY
CENTERS



RESEARCH &
DEVELOPMENT



FLOWD 8020 is a compact, mobile conveyor-type X-ray system for fast and effective tests of X-ray protective clothing according to IEC 61331-3:1998 & DIN EN 61331.

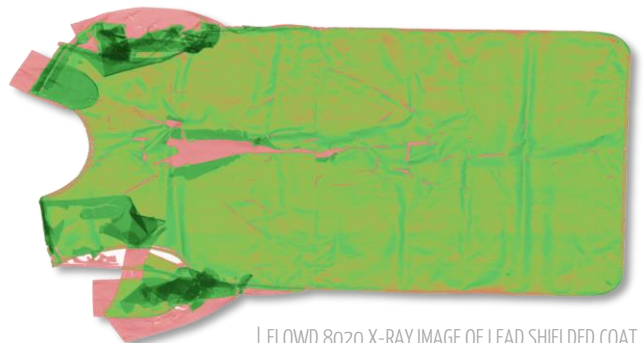
FLOWD 8020 offers X-ray based analysis of X-ray protective clothing. The system displays visual information about the condition of the protective clothing as well as the values of the attenuation equivalent and the relative non-uniformity of the X-ray protection material, in order to determine if the clothing is suitable for further use. Furthermore, the scanner provides comprehensive test reports, which are automatically generated and customized according to local requirements.

FEATURES

- IEC 61331-3:1998 & DIN EN 61331 compliant
- Automatic analysis of lead equivalent thickness
- Automatic determination of lead equivalent attenuation
- Automatic detection of relative non-uniformity
- Visual coloring of areas
- Automatically generated test reports
- Optimized for touch screen operation
- Archiving of x-ray images and reports
- Multi-language software suite
- Real-time self diagnostics

OPTIONS

- Separate operator station
- Motorized hybrid desk
- Printer

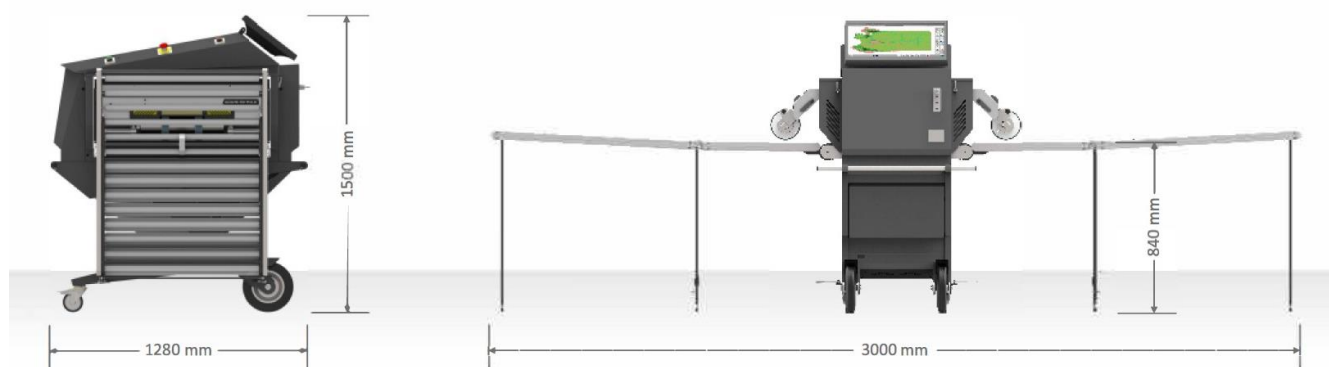


| FLOWD 8020 X-RAY IMAGE OF LEAD SHIELDED COAT |

TECHNICAL SPECIFICATIONS

Tunnel dimensions (BxH)	870 x 240 mm
Conveyor speed	0,22 ± 0,03 m/s
Maximum evenly distributed load on the conveyor belt	Max. 25 kg
Anode voltage	100 kV
Steel penetration	14 mm
Resolution	0,8 mm (40 AWG)
Dual-energy detector	Yes
Material discrimination / color coding	4+1
Dimensions (LxBxH)	870 x 1280 x 1500 mm
Weight	400 kg
Power	230 VAC ± 10% / 120 VAC ± 5%, 50/60 Hz
Consumption	Max. 0,5 kVA
Ambient temperature	0 – 40 °C
Maximum humidity	Up to 90%, non-condensating

DIMENSIONS



Radiation level:
Less than 0.1mR/h (1.µSv/h)
Film safety up to ISO 1600 (33 DIN)

