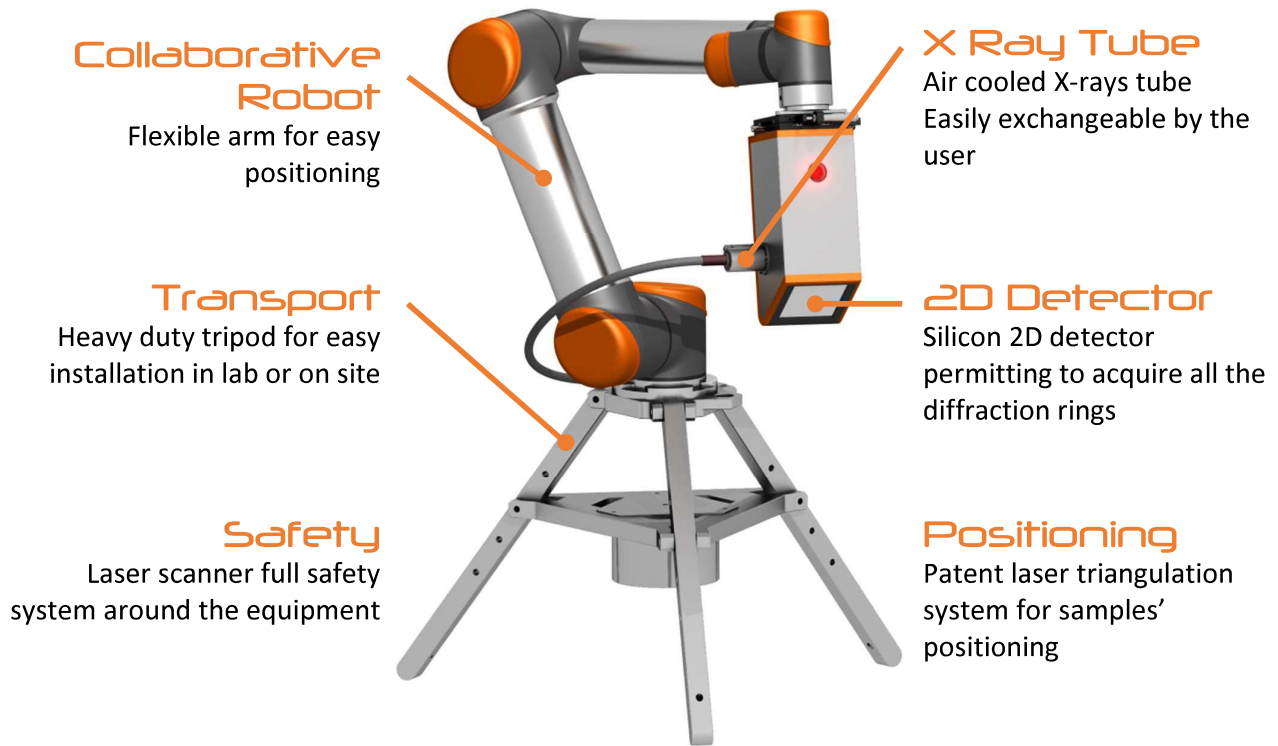


2D-X-RAYS

2D Detector

**NEW
2020**

Industry 4.0 compliant equipment



Collaborative Robot

Flexible arm for easy positioning

X Ray Tube

Air cooled X-rays tube
Easily exchangeable by the user

Transport

Heavy duty tripod for easy installation in lab or on site

2D Detector

Silicon 2D detector permitting to acquire all the diffraction rings

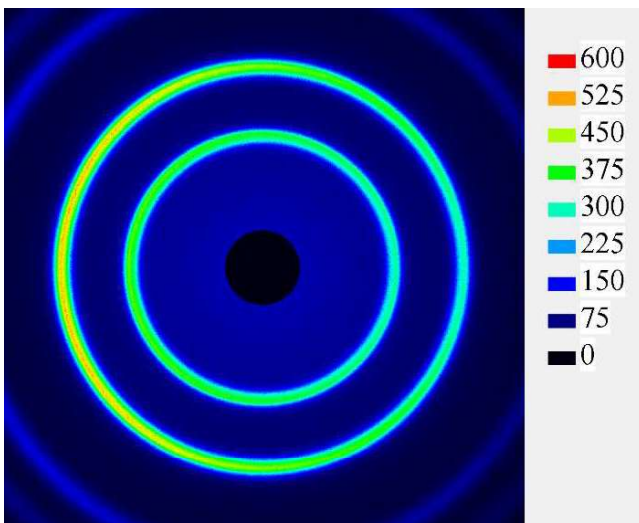
Safety

Laser scanner full safety system around the equipment

Positioning

Patent laser triangulation system for samples' positioning

Software



- ✓ Multiple exposure technic to avoid significant systematic errors existing in the classical cosine α method
- ✓ Complete stress tensor components evaluated in less than 1 minute
- ✓ Robust error bars evaluation according to the Guide of Uncertainties in Measurements (GUM)
- ✓ The diffraction rings can be described by more than 300 polar diffraction diagram cuts
- ✓ Each diffraction pattern is fully fitted through a non-linear best fit method that permits to account for overlapped peaks

Contact :