LAUE-COS
Single Crystal Orientation Measurement System

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Dimensions (L x W x H)
1000 mm x 660 mm x 1950 mm (39 x 26 x 77 in)
Power Requirements
200-240V, 30 Amp, 50/60Hz, Single Phase
X-Ray Tube
Tungsten [96]
X-Ray Power Supply
1200 W (60 kV / 20 mA)
Geometry
bracket-reflection, standard focus distance of 30 mm, optional transmission camera
X-Ray Camera
150 x 150 mm cooled sensor technology
Sample Positioning
manual or automated X, Y shake (100 mm), optional mapping, 2 axis manual (100 mm)
Goniometers
manual or automated 3-axis
X-Ray Beam Apertures
0.5, 0.8, 1.0, 1.2 mm
Computer
desktop computer included
Software
PROTO-BROWIN 2.0 free
System Compliance
ANSI N43.2.2, ASTM 186

Proto Manufacturing is engaged in continuous research and development. Therefore specifications in this publication are subject to change. Please call for details. Various tests and methods in this brochure are covered by patents or patent pending.

TECHNOLOGY THAT DELIVERS ACCURATE RESULTS™
www.protoxrd.com
For Research Labs and Production Environments
LAUE-COS
unique features and options
- 150 mm x 100 mm back reflection camera
- X,Y Stages for automated mapping
- Manual goniometers and adapters for saw cutting of crystals
- Automated goniometers with chi, psi and phi rotation

2nd GENERATION BACK REFLECTION CAMERA
Low noise, high dynamic range cooled sensor technology for sharp Laue images.

AUTOMATED GONIOMETER
Chi, psi, and phi rotation.

XRAY TUBE
Our tungsten x-ray tube is produced in-house to provide you with the best quality, performance, warranty and support.

XRDWIN 2.0 LAUE SOFTWARE
Our XRDWIN 2.0 Laue software is designed for both operating our single crystal Laue orientation systems and data analysis of Laue patterns. Standard features include a comprehensive set of tools for analyzing patterns, indexing and reorienting crystals.

CUSTOMIZATION
We understand that project requirements often require custom system specifications. Our team can customize your Laue system with various features and accessories to meet all your project needs.

AVAILABLE OPTIONS:
- Side-reflection, back-reflection and transmission geometries
- Automated 3-axis goniometers
- Manual or automated X, Y, or Z axis for sample positioning