

## Single Crystal Orientation by Laue Method



### **For orientation inspection of single crystal materials by Laue method**

High performance turbine blades are made from single crystal advanced alloys and must be monitored for imperfections to avoid poor creep resistance and failure of blades at high temperature. Generally these systems can be downstreamed to replace film-based Laue systems.

{tab=Features} **Key Features & Benefits**

- Depending on customers requirements and samples the whole range from small laboratory-size systems for routine analysis to large systems with additional positioning axes can be offered. Cabinets up to walk-in size for comfortable loading of heavy samples.
- 2-dimensional flat panel detector
- Automatic spot search with interactive correction
- Automatic orientation determination with overlay in measured Laue pattern
- Result documentation
- Cubic crystal symmetry supported, other symmetries available upon request

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