BRIGHT RED SYSTEMS (AUSTRIA)

The Company

BRS – BRIGHT RED SYSTEMS – is an innovative start-up company with focus on research and customized industrial solutions. We are offering products and knowledge in the field of optical metrology and quality management, based on our Wafer Edge Detector.

Being supported by Science Park Graz and the Graz University of Technology we are a dynamic company with a team of dedicated engineers which is able to meet our customer’s individual needs as well as being able to deliver our own range of measurement instruments.

Technology

Our new wafer edge detector in combination with our motion controller was created to measure and align sensitive thin wafers. We offer customer specific handling solutions for all competitive handling tasks.

Combined with the smart algorithm of the BRS motion controller, any alignment system with up to four axes can be realized, performing alignment of all commonly used wafers and materials in a single step.

Products

- **Wafer Edge Detector**
  Wafer Edge Detectors have been developed for the automated alignment of silicon wafers. Scanning the wafer’s circumference as well as the automatic Flat/Notch recognition allows for the most precise alignment results of all wafers produced.

- **BRS Motioncontroller**
  Functionality. The BRS Motioncontroller controls up to four stepper motors of your positioning system simultaneously. Combined with a Wafer Edge Detector it is used to measure and align warped thin wafers, employing the embedded measurement signal processing algorithm. No additional control and/or computing systems are necessary.

Services

BRS – BRIGHT RED SYSTEMS – also offers know-how and consulting in the field of optical metrology and quality management. Our dynamic team takes on your tasks and can give you individual solution approaches to tackle your measurement and production challenges.