

### Recep Sami Yazıcı Product Development Center

Inspection, testing and measurement devices in Recep Sami Yazıcı Product Development Center;

- Optic Microscope
- Stereo Microscope
- Automatic Grinding and Polishing Device
- Manuel Grinding and Polishing Device
- Mounting Device
- Abrasive Cutting Device
- Precision Cutting Device
- Drying Oven
- Fume Cupboard
- Coating Device for Sample Surface
- Scanning Electron Microscope (SEM) / EDS / EBSD



Testing and activities in Recep Sami Yazıcı Product Development Center;

- Failure Analysis and Reporting
- Microstructure Analyses
- Scale characterization (Sensitive determination with scanning electron microscope synchronization EBSD)
- Determination of Decarburization Depth
- Grain Size Measurements (Sensitive determination with scanning electron microscope synchronization EBSD)
- Austenite Grain Size Measurements (Sensitive determination with scanning electron microscope synchronization EBSD)
- Determination of Spheroidization Rate
- Determination of Grain Boundaries Cementite
- Investigation of Sample Surface
- Segregation Test
- Microcleaning (applied with optical microscope and evaluated with scanning electron microscope EDS)
- Evaluation of Steel Cleanliness (Sensitive determination with scanning electron microscope EDS and EBSD)
- Pilot Experiment for Pickling and Zinc phosphate Coating of Steel Wire Rod