

India Magnified

Measures, metals and
minerals on a micro level

BY SOUMITRA ROY, BOEING WRITER

Innovation never sleeps. At Boeing's engineering and technology campus in Bengaluru, India, more than 4,500 employees create technologies that are advancing the aerospace industry worldwide.



PRECISE AND PORTABLE

Mastering a portable coordinate measurement machine, Vyshnave Vinayak and Suman Murugesan recover and measure the 3D features of Boeing airplane parts and components.

ALL PHOTOS: JOSHUA DRAKE/BOEING



WHEN TEAMS GEL

(From left) Mounika Shanigarapu, Chandrakant Patil and Ankita Hegde prepare metal samples for analysis. At the same time, Ramanna Jakkanagoudar, Dipanwita Chatterjee and Pradeep Premkumar prepare a sol-gel coating to apply on metallic substrates. Sol-gel coatings offer unique advantages, including low processing temperatures, safe handling, and desirable mechanical properties and flexibility for coating complex shapes.



MEASURING UP

Neha Kadyada Chandrashekar and Manpreet Singh guide a light that scans and measures small components in 3D.



LIGHT METAL

Ram J. Omar applies gold-palladium coating to metal samples as part of a metal plasma process.