GREENKOTE PLC
RAIL FASTENER ANTI-CORROSION COATING

Greenkote® is an advanced anti-corrosion metal coating that can significantly extend the service life of rail fasteners and fixtures that are exposed to weather and harsh environments. Using a patented thermal diffusion process, Greenkote coating is literally diffused into the surface of metal parts for an exceptionally strong, permanent metallurgical bond. This makes Greenkote's corrosion resistance last significantly longer than coatings or paints, even at very low or high temperatures. And unlike many coatings and paints, Greenkote will not chip, peel or delaminate, even when crimped or bent. Greenkote also provides superior hardness, up to HV 400-420, giving parts greater damage resistance in transit, installation and service. Plus, Greenkote coverage is highly conformal and uniform, allowing it to coat ID and OD geometries, blind holes, threads, filets and sharp corners. The Greenkote name derives from its eco-friendliness. Unlike many coating processes, Greenkote uses no hazardous materials, generates no toxic wastes and is benign to the environment. It passes even the strictest environmental regulations around the globe. Users may schedule their parts for fast-turnaround coating at the Greenkote headquarters facility in Ohio or at numerous other Greenkote locations internationally. ***www.greenkote.com***

HEXAGON MANUFACTURING INTELLIGENCE
LEICA ABSOLUTE TRACKER ATS600

The Leica Absolute Tracker ATS600 from Hexagon Manufacturing Intelligence is the world's first direct scanning laser tracker, able to measure with metrology-grade accuracy from up to 60 meters away without a reflector or probe. Designed for applications where scale and productivity are more important than extreme accuracy, the ATS600 is well-suited to the extra-large surfaces that metrologists in the rail industry are increasingly tasked with inspecting. An ordinary 3D laser tracker can be used for a number of passenger railcar inspection applications. A build and inspect process using a reflector can be applied to properly adjust welding jigs, and after welding a panel can be checked for deformation with a series of single-point reflector measurements to ensure, for example, that doors and windows will fit properly to the frame. With the introduction of direct scanning, these processes become faster and safer. A panel that would require more than five hours to collect 100 surface data points with a reflector can be mapped with more than 90,000 points in less than 20 minutes using the direct scanning functionality of the ATS600, resulting in a clear color map demonstrating any areas of deformation. Direct scanning also removes the need for operators to climb ladders to measure out-of-reach areas such as roof sidings. And with a typical accuracy deviation of only 120 microns, the direct scanning capability of the ATS600 delivers performance well within the typically millimeter-plus tolerances of such applications. All that from a tracker that can also perform standard reflector measurements with 3D accuracy and functionality in line with the best trackers on the market, allowing it to meet the needs of other applications on-site. ***go.hexagonmi.com***