



LOCTITE[®]

LOCTITE[®]: A LONG- LASTING ALTERNATIVE TO WELDING

LOCTITE[®] E-20HP[™]



Henkel Adhesive Technologies



Customer Challenge

A paper recycler's stainless steel filter screens failed regularly in service every 6 to 8 weeks due to the erosion of spot welds that caused the mesh to fall into the rotating screen system. The frequent replacement required by these failures caused equipment downtime and labor costs.

Henkel Solution

A LOCTITE® engineering solutions expert walked the team through the process, from ground washing the screen mesh and filter to remove any paper recycling debris and chemical residues, to dispensing from a 50 ml dual cartridge, to positioning and weighting the replacement mesh. LOCTITE® E-20HP™, a structural adhesive that is resistant to peel and shear forces, was the perfect solution as it replaced spot welds and held the fine filter mesh in place for more than 16 weeks.

Results

The new process has lowered filter replacement costs, labor repair costs and doubled uptime between process downtime, thereby increasing recycling production output. The LOCTITE® solution provides the needed durability to withstand the abrasive forces in the filter process.

