

PYROTEK MZR-755 A SUCCESS FOR SWISS GALVANIZER



The company Wollerau in Switzerland is a family-owned batch galvaniser. One son operates a metal trading company called Lurec. As Pyrotek Netherlands Systems Sales Engineer, Renée Harms explains, Wollerau purchased a Metallurgics Zinkoff Recovery (MZR) system during the Intergalva event four years ago in Naples, Italy—buying Pyrotek’s display model on the spot at the show.

The MZR unit is essentially a thermo-mechanical device, which effectively extracts valuable, reusable zinc from operators’ bath skimmings and top drosses.

During a follow-up visit to the customer’s plant in early 2009, Wollerau showed a keen interest in the larger version of the Pyrotek MZR unit—the MZR-1500. Further discussions continued, including again during the Intergalva 2009 event in Madrid.

A few months later, the customer asked if Pyrotek could make a smaller version of the MZR-1500, but with the same design and layout. Soon after, the company team began working on a design for what is now called the new MZR-755. Pyrotek Netherlands Operations Manager, Peter Jetten, together with the engineering team from Pyrotek EMP Technologies in the UK, prepared the new engineering drawings and guided the unit’s development.

In November 2009, Pyrotek commissioned the MZR-755 for Lurec in Switzerland. Harms explains, “Even though we had installed several MZR-1500 units, it is still exciting to work on a new piece of equipment.” EMP’s Paul Bosworth, Applications & Development Engineer and Dave Ward, Project Engineer, together with Harms, formed the team that installed the unit. After some minor changes, the MZR-755 ran beautifully.

Besides scaling down the MZR-1500, some extra features were added including an HIM screen, making it even easier to operate the equipment control panel.

The customer uses the MZR to process their own zinc skimmings and also to melt small quantities of other metals, such as tin and lead, achieving recovery rates of around 70%. The machine has been operating for over six months and the customer reports they are still very satisfied with the installation and process performance.



MZR equipment system in operation

