



High-Volume Production of Rubber Stamps

Trotec Case Studies

■ ROANOKE STAMP <http://www.roanokestamp.com>



ROANOKE STAMP is one of the larger Rubber Stamp Makers in the US. Founded 1917, ROANOKE STAMP offers a complete range of individual products like stamps, daters, embossing seals, name tags, signs, ADA/braille, stencils and many more.

■ The application

ROANOKE STAMP produces approx. 10 A 4 sheets of stamps per day. Before purchasing the Laserati, the rubber dies have been made out of photopolymer. This process requires cutting of the individual dies by hand which is a huge cost factor.



■ The challenge

In addition to standard stamp production, ROANOKE STAMP manufactures special dies for a large account that requires a significant amount of hand work for very precise marking and cutting with +/- 0.001" (0.0025 mm) tolerance. This specification is impossible to fulfil with hand-cutting.



■ The Trotec solution

With the Trotec Laserati, ROANOKE STAMP has a powerful production machine. They have virtually eliminated the production of photopolymer dies – with not increase in costs. The main savings was in eliminating the cutting of the dies by hand. In their pre-purchase analysis the cost to produce laser dies vs. photopolymer was about equal, when fully allocating the laser operation costs (tube amortization, wear & tear, filtration, etc.). However, the trimming of all the dies required the equivalent of nearly one employee per day. This job is now done automatically by the Laserati.

"We moved to the laser the handling of special dies for a large account that required a significant amount of hand work for VERY PRECISE marking and cutting. The Laserati does this (and all) work very precisely and consistently. We set up templates so the artwork is always the same and the Laserati does the rest."

Tom Kirchner, Roanoke Stamp