

CASE STUDY •**Application:** Valve Seat**Material:** 316 Stainless Steel**Benefits:** Eliminated Manual Deburring
Enhanced Part Quality
15 Minutes Per Part**Industry:** Energy**Tool:** COFA 6

CHALLENGE: A customer in South Carolina faced a significant challenge in the deburring process for holes in 316 Stainless Steel parts using an OKUMA HMC machine. Hand deburring was resulting in longer cycle times, and raised metal issues led to continuous part rejections.

SOLUTION: Heule provided a tailored solution by recommending the COFA6-260-Z2 deburring tool paired with the GH-C-M-0002 blade. This combination was specifically chosen to address the deburring needs of .292" holes with a .319" chamfer size in 316 Stainless Steel, optimizing the process for the OKUMA HMC machine.

OUTCOME: The implementation of Heule's recommended deburring tool and blade proved to be highly successful. The customer experienced a notable improvement in debur quality compared to the previous manual deburring method. Not only did the solution eliminate raised metal issues, but it also significantly reduced cycle times. The customer achieved a remarkable time savings of approximately 15 minutes per part, showcasing the efficiency and effectiveness of Heule's deburring solution.

