

CHEMICAL BATH DEBURRING

Chemical bath deburring allows the all-around finishing of iron and steel components. Removal of material occurs evenly on the entire wetted surface of the workpiece and is highly reproducible. The method is suitable for both individual parts and bulk material and also for complex, delicate workpieces that must not be subjected to either thermal or mechanical stress. **Internal and external burrs** are removed, edges rounded, tinsel, scales and material overlaps removed and rough surfaces smoothed – without the effect of hydrogen embrittlement.

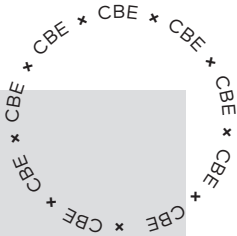
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PROCESS FLOW

The components are immersed as individual parts or bulk material in different baths with precisely conditioned chemicals and left there until the burrs on the component have dissolved. The number, sequence and duration of the immersions as well as the baths' chemical concentration vary depending on customer specifications and the desired deburring result, and are controlled accordingly. Additional post-treatment, such as cleaning, is usually not necessary.

CHARACTERISTICS

- removal of internal and external burrs
- rounding of edges
- removal of tinsel, scales and material overlaps
- smoothing of rough surfaces
- no thermal or mechanical stress
- no hydrogen embrittlement



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