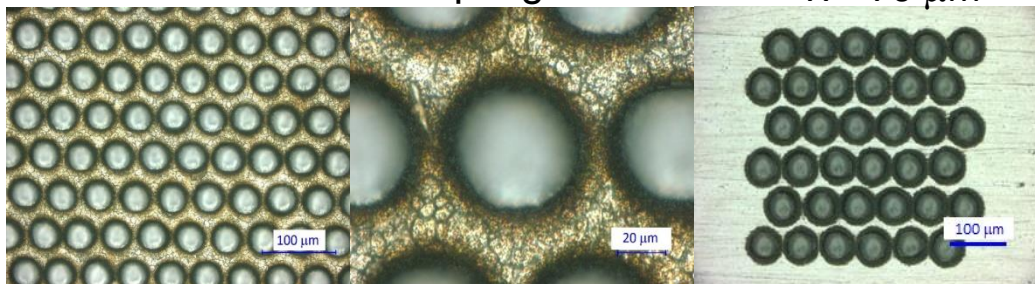


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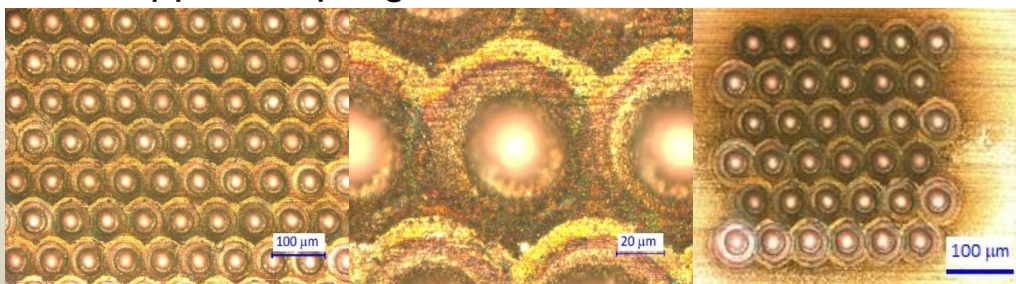
Surface treatment of automobile PWT parts for friction reduction

- Stainless steel dimpling
- Copper dimpling
- Task: Concave sphere, input diameter: 50 μ m, depth: 20 μ m
- Result:
 - Concave sphere
 - Diameter (50 \pm 2) μ m
 - Depth (20 \pm 3) μ m
 - Throughput 200 dip/sec

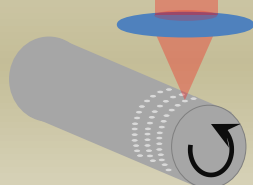
- Stainless steel dimpling



- Copper dimpling



- Dimpling process: Shaft diameter 20 mm



3342,2538 rpm, for X = 70 μ m
Laser rep. rate 50 kHz.

