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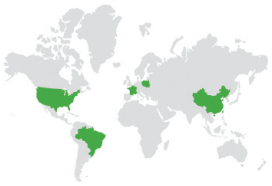
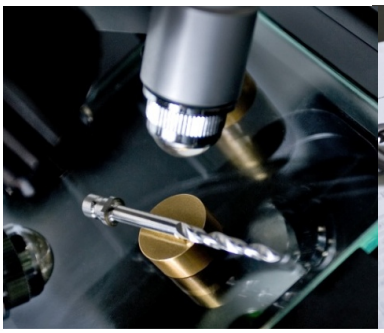


ISO 9001 AND ISO 13485 CERTIFIED

CASE STUDY: VALUE ENGINEERING / LEAD-TIME REDUCTION

Case Studies



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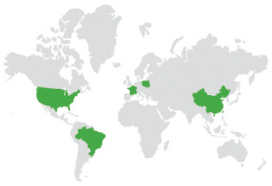

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CASE STUDY: VALUE ENGINEERING / LEAD-TIME REDUCTION

Component: **Surgical Drill**

Challenge: **Autocam Medical independently proposed changes in an existing drill design for an OEM in order to deliver cost savings without sacrificing performance.**

Autocam Medical's Solution: Building on a history of manufacturing surgical drills for this customer, Autocam Medical's engineers proposed a two-piece laser-welded construction.

The following characteristics would remain consistent with the original design.

- Overall length and tolerance of overall length
- Flute geometry
- Laser marking
- All other geometry with the addition of a laser-weld location

The body of the drill would be made from 17-4 PH H-900 and the fluted portion would remain 455 SSH-900. These changes resulted in a more efficient production process and a 15% cost savings due to raw material selection, all without sacrificing performance of the existing cutting edge. Upon approval, this design change had a secondary benefit of lead-time reduction.

Benefit to the Customer: **The OEM trimmed 15% off production costs without sacrificing quality or functionality of the drill.**

Processes: CNC Turning, Secondary Finishing

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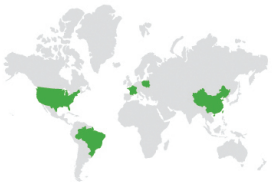

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