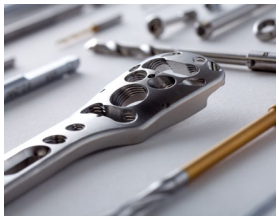
CASE STUDY:

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

autocam medical

ONE PLATFORM • ONE APPROACH • ONE TEAM