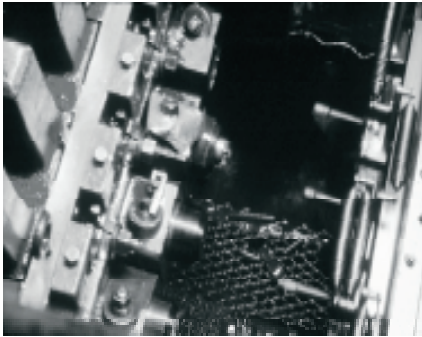


# Holo-Krome Can Make Your Tough Shapes Easier



Manufacturing parts with unusual contour, strength and cost requirements often becomes uneconomical as material, labor and energy costs escalate.

For many companies, Holo-Krome has become the economic design and manufacturing alternative. The key is metal forming versus metal removal. We have 70 plus years of experience of applied technology in forming metal solutions. For us, tough parts take shape just a little easier.

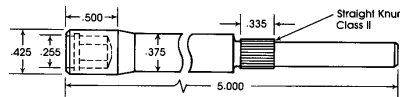
## FASTER.

Close tolerance, dimensionally complete parts roll off our headers at high production rates. To provide maximum economic benefit, the heading process requires larger production runs, generally exceeding 25,000 pieces.

## STRONGER.

Shaping metal by controlled cold or warm forming yields inherently stronger parts. Through a stepped series of extrusion/heading "blows," Holo-Krome can shape even stubborn stainless alloys into difficult dimensions, while retaining the important metallurgical property of material grain flow. For many parts, tensile and shear strength properties are actually improved.

In contrast, machining parts to achieve similar dimensions often reduces the structural integrity of the finished part.



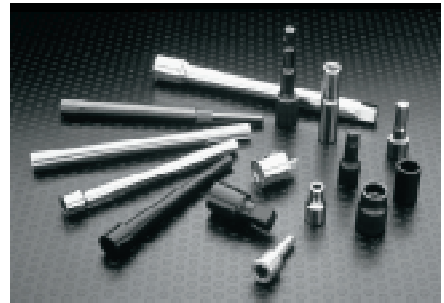
## RIGHT DOWN TO THE FINISH.

Our vertically integrated manufacturing process encompasses many secondary and finish operations common to industry, they include:

- High speed/proprietary trimming
- Full capability contour grinding
- Precision roll threading up to 1-3/4" diameter
- Controlled atmosphere heat treatment
- Complete range of coatings and platings. The fact is, the surface quality of a formed part often eliminates the need for costly cosmetic rework.

## AT LESS COST.

If your expensive, tough-to-manufacture shapes qualify for heading, the results can be astonishing and rewarding. The savings in material alone normally justifies switching to a Holo-Krome formed part with savings in labor, energy and reclamation costs.



With technology to engineer the solution, capacity to service the globe, why not let us solve your next "tough shape" problem. Contact our tough shapes specialists. We'll respond to your inquiry, fast.

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# ENGINEERING SOLUTIONS IN STEEL

