



ROSE METAL INDUSTRIES, LLC.

A TRADITION OF EXCELLENCE

Case Study: Hot Bending

The designed shape of many items is best achievable through heating and forming. In this case, we function as a routine supplier to an OEM requiring a family of round bars to be formed to 90 Deg while hot. Heating is carefully controlled to insure that material grain size is maintained. While not a precision process, bending is skillfully performed in Pedrick power bending equipment, held to within print specification of +/- 1/2 deg. Our blacksmith shop offers a unique solution for manufacturers requiring such specialty operations in lot sizes too small to set up in-house capability.



The material for these parts is supplied by our customer. We are also able to furnish components complete, including added value services such as machining, heat treating, NDT inspection / certification and a variety of finishing including painting or plating.



Product Description – Round Bars are hot bent to 90 Deg

Market – OEM Machinery

Materials – D2 and other tool steels, 440CSS

Size – Bar stock sizes of 1/2" Dia through 2" Dia with parts length to 4 Ft

Processes – Hot Forming with Pedrick Power Bending Equipment

Tolerances – +/- 1/2 Deg

Quantities – 1 to 50 pcs per lot

Inspection – Special gauging, visual

Please have us quote on your next requirements!

ROBOTIC WELDING, FABRICATING & FORGING SPECIALISTS



REGISTERED TO ISO 9001: 2000

