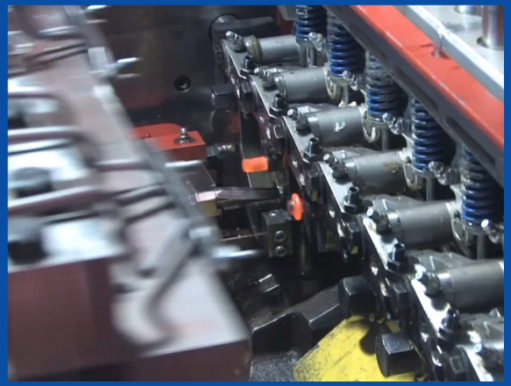
FORMAX®
Warm Forming

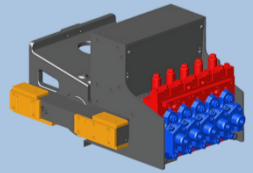
Product Overview

FORMAX machines can be custom designed for warm forming applications. The FORMAX Warm Forming machine has all the standard FORMAX features such as Zero Clearance Heading Slide, Precision Linear Feed, Sealed Heading Slide Liners and the Formapak Quick-Change System.



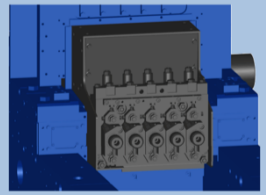
A FORMAX Warm Former can be either "prepared for warm forming" with basic specials, or customized based on the part application requirements and materials formed. This customization is important to have the right machine for the part application, not just a machine simply with a standard heater added. The specific Warm Former features that may be added include:

- High Frequency Converter
- External Circuit/Transformer
- Buss Bar
- Induction Coil
- Cooling System
    - Converter and Induction coil
    - Machine: Die block, Induction coil bracket & Die lube
- Heater for Die Lube
- Wire Temperature Sensor(pyrometer)
- Automated Blank Drop
- Blank or Feed Indicator
- Fire Suppression System



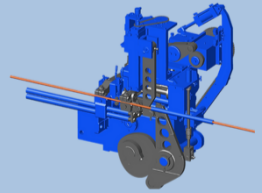
Zero-Clearance Heading Slide Guiding

The Zero-Clearance Heading Slide is a 2-axis design that utilizes fixed liners that provide 'Zero Clearance' during the work stroke of the machine. Zero Clearance Heading Slide Guidance system precisely aligns punches to dies, and part concentricities are held to tolerances once thought impossible.



Sealed Heading Slide Liners

FORMAX is the only Cold Forming machine designed with heading slide liners that are Sealed to prevent foreign materials from damaging the liners and causing excess/pre-mature wear.



Precision Linear Feed

Linear feeding obsoletes traditional feed roll designs with superior cut off blank accuracy without the need for a stock gauge. The linear feed grips are designed to handle the full range of wire diameters so only one set of grips is needed, unlike traditional feed rolls. Linear feed also delivers more precise blanks while eliminating the problems associated with feed clutches and brakes.