

RING- & PUNCH-INSPECTOR

Visual inspection of inside surface quality of ironing dies and outside surface quality of punches for beverage can manufacture



The RING & PUNCH INSPECTOR enables fatigue-free and detailed inspection of the inner surface quality of drawing rings and the outer surface quality of punches for beverage can production. It is available with or without a connection to a camera system. A high-contrast image is provided to the operator using a stereo zoom microscope and special lighting. The mechanical structure enables the exact positioning of the drawing ring or punch. The test item is mounted on two stable rollers, which allow the ring to rotate very



sensitively. During rotation the inside surface remains constantly in the image plane of the microscope.

According to the inside form of the die, different viewing angles can be adjusted.

The RING & PUNCH INSPECTOR can be adapted to all tool sizes.

The stereo zoom microscope has a large zoom factor. With low magnification the operator has an overview on the inside die quality. With high magnification each detail can be inspected.



Technical Data

Mechanical features

- stable mechanical basic setup
- ring & punch mounting on 2 bearings for manual rotation of the die / punch
- adjustable viewing angle
- adjustable ring position
- outside diameters 130mm ... 200mm
- inside diameters 40mm....100mm
- Dimensions (WxDxH): (45 x 35 x 55)cm, weight 11kg

Optics

- Stereo-Zoom-Microscope with
- magnification 6,7x...45x
- Zoom factor 6,7x

Illumination

- back light illumination
- incident light illumination by 2 goose necks

Options

- Zoom-Body with camera adapter
- Video camera 1,3 Megapixel, USB 2.0
- Software for representation of camera image on PC screen
- including saving of images

The RING- & PUNCH-INSPECTOR is the perfect completion of your tool room equipment!