

# CALIBRATION TUBES FOR HEAT EXCHANGER TUBE INSPECTION

At UCOMAX we provide tubes for below mentioned tube testing techniques

- Magnetic Flux Leakage Calibration Tube
- Internal Rotary Inspection System Calibration Tube (IRIS)
- Remote Field Testing Calibration Tube (RFT)
- Eddy Current Testing Calibration Tube (ECT)
- Near Field Testing Calibration Tube (NFT)
- Eddy Current Calibration Tube Bundle Specimen

At Ucomax, we also specialize in manufacturing customized tubes to simulate realistic tube defects for training, and performance validation in non-destructive testing (NDT).



# OUR CAPABILITIES

Ucomax has extensive expertise in machining a wide variety of precision defects, including:

- Tube-to-Wall Holes (TWHs)
- Flat-Bottom Holes (FBHs) – OD & ID
- OD and ID Grooves
- Milled Flats & Contoured Flats
- OD and ID Thinning Bands
- 120° / 180° Wear Scars
- Tapered Flaws
- Tube-to-Tube Wear Simulations

Each standard is crafted with high precision and repeatability, ensuring compatibility with eddy current, RFT, and other electromagnetic testing techniques.

## Why Choose Ucomax?

- High-precision defect machining
- Fast turnaround times
- Application-specific solutions
- Support for all major industry standards

## We Build to Your Specification

To ensure each standard meets your exact requirements, please provide the following information when submitting an inquiry.

- Tube Material Details
  - Alloy type
  - Outer Diameter (OD)
  - Wall Thickness
- Material Supply
  - Please confirm if the material will be customer-supplied or if Ucomax should provide the material.
- Defect Types and Sizes
  - Specify the required defects (e.g., OD/ID grooves, flat-bottom holes, thinning bands, etc.)
  - Include depth and dimensions, preferably in % of wall thickness.
- Applicable Standards
  - Indicate if the standard must comply with specific codes (e.g., ASME, ASTM, API, etc.)
- Drawings or Sketches
  - A simple drawing or hand sketch showing defect positions is highly recommended to ensure accuracy.



989/16/2, FIRST FLOOR NEAR GAYATRI ICE INDUSTRIES,  
MAKARPURA, VADODARA, GUJARAT - 390010



[sales@ucomax.com](mailto:sales@ucomax.com)



[www.ucomax.com](http://www.ucomax.com)



+91 63588 33112