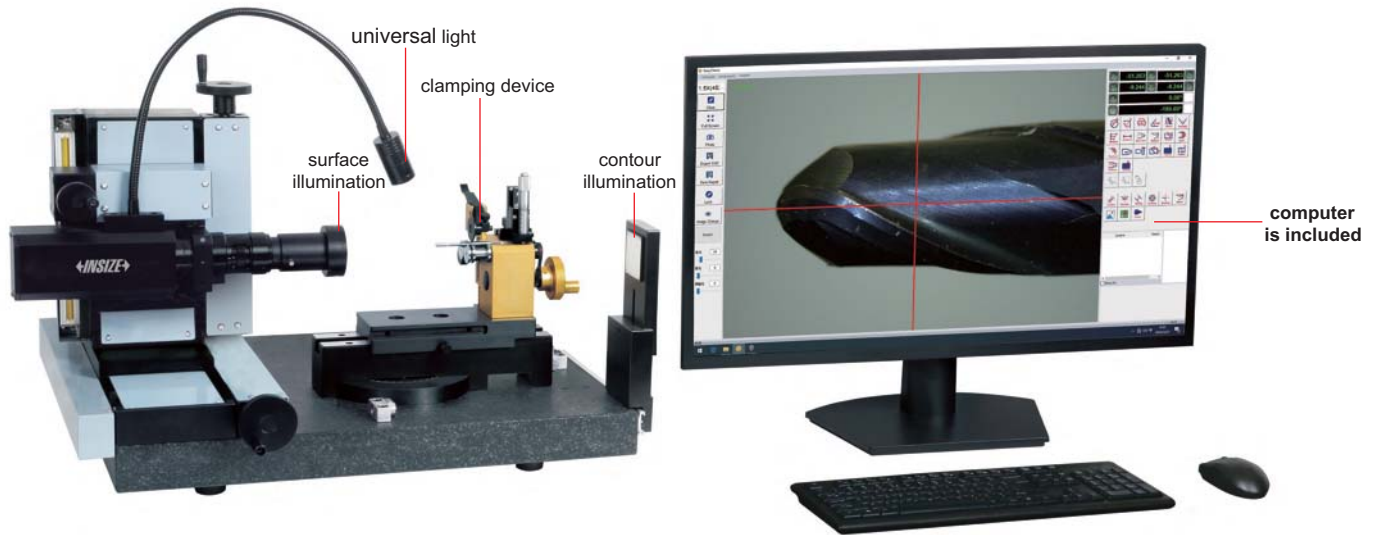


# CUTTING TOOLS VISION MEASURING SYSTEM CODE TLP-D150

CUTTING TOOLS MEASUREMENT

CAD COMPARISON

SCAN MAXIMUM PROFILE



## Measurement items

### Drill bit:

helical angle bandwidth, back of blade, angle of main cutting edge in front, in back, back angle, top angle, cross angle, cross width, feed angle of internal edgeretreat angle height difference, cross-edge runout, rear blade width, B value, C value, tip chamfer angle, tip width, feed radius, chipformer parameters, overall comparison of dxf on end face.

### Milling cutter:

groove front angle, back angle, groove depth, core thickness, spiral angle, belt width, blade width, end edge 1st 2nd back angle, front angle of the end blade, long tooth overcenter, parameters of the end tooth chipformer, taper, radius, chamfer size, etc.

### Tap:

measurement of chamfer, groove shape, leading and trailing angles, tooth angle, pitch, pitch diameter.

### Blade:

using V-shaped fixtures for cross clamping or install on cylindrical tool holders to measure chamfers, back angles, and fillet sizes.

### Reamer:

anterior angle, helix angle, core thickness, groove depth, belt width, chamfer, etc.

### Gun Drill Inspection

### Cutting edge wear inspection

### Step length

### Cutting edge end runout and trail runout

### Tool profile comparison

- Measurement and inspection of milling cutters, drill bits, non-standard molding tools under surface light
- Profile measurement, automatic profile capture for straight and helical fluted tools
- Import and export CAD file
- High magnification for clear observation of tool chipping and grinding wheel pattern on the back face
- Granite platform, more stable
- Ergonomically designed structure, easy and quick to operate
- The crosshairs of the cutting edge can be automatically recognized and captured
- Automatic and manual measurements
- Data storage, analysis, management, photography, image storage and management



Concentric clamp (included)



V-clamp (included)



V-concentric clamp (optional)

## SPECIFICATION

Measuring range (X×Y)	150×60mm
Applicable range	0~40mm
Resolution of X/Y axis	1μm
Accuracy of X/Y axis	5μm
Repeatability of X/Y axis	2μm
Objective	0.58X~8X (zoom)
View field (diagonal length)	2.0~29mm
Working distance	68mm
Magnification	20X~240X (on 27" monitor)
Camera	color CCD, 0.3M pixel
Illumination	surface and contour with adjustable LED, with universal light
Operation system	Windows 10
Drive method	manual
Power supply	110~220V, 50/60Hz
Dimension (L×W×H)	600×450×500mm
Weight	60kg

## STANDARD DELIVERY

Main unit	1pc
Computer	1pc
Dongle	1pc
Concentric clamp	1pc
V-clamp	1pc
Anti-dust cover	1pc

## OPTIONAL ACCESSORY

Cutter handle clamp	TLP-D150-C1
V-concentric clamp	TLP-D150-C2

## SOFTWARE (INCLUDED)

