

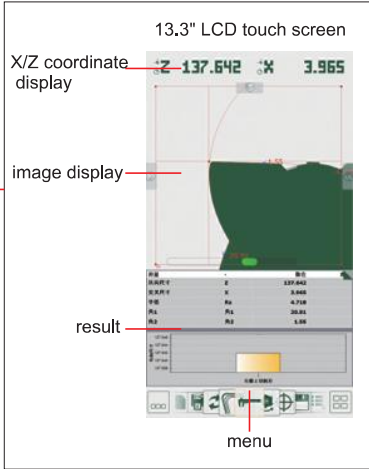
# TOOL PRESETTER CODE ISP-B420

**INSIZE PLUS**  
MADE IN EUROPE

CHECK, PRESET AND MEASURE  
CUTTING TOOLS

AUTOMATIC RECOGNITION  
OF CUTTING EDGE SHAPES

DATA OUTPUT



CCD camera and  
LED surface light source



air flotation button



LED contour  
light source

controller

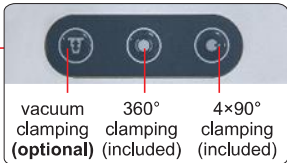
ISO/SK/BT50 spindle (included)



printer (included)



bracket for tools and  
converters (included)



key function

table (included)

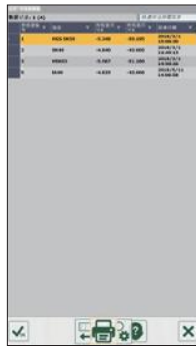


attach the printed label on the tool

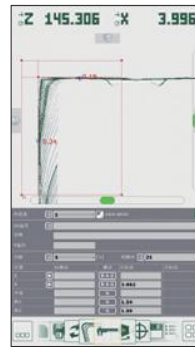
- Windows 10 operation system
- Check, preset and measure cutting tools
- Telecentric lens CCD camera system
- Use Bosch or Festo pneumatic components, THK guideways and HEIDENHAIN scales
- Built-in 113 cutting edge shapes, automatic recognition
- Measuring modes: absolute, relative and incremental measurement
- Measuring radius, angle, concentricity, axial runout, etc
- Storage of 3000 tool parameters
- View, print and export measurement results



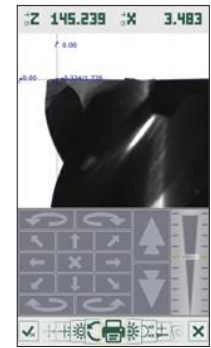
fast measurement,  
automatic recognition of  
cutting edge shapes



can store 99 sets of converter  
parameters and automatically prompt  
to check the zero position at fixed time



scan and measure the  
maximum profile of the tool



check cutting edge wear

## SPECIFICATION

Maximum tool diameter (X axis)	420mm	
Maximum tool height (Z axis)	420mm	
Range of snap gage (X axis)	100mm	
Repeatability	X axis	2μm
	Z axis	2μm
X/Z axis resolution	1μm	
Camera	color CCD	
Image processing accuracy	1μm	
Magnification	20X	
View field	7×7mm	
Illumination	adjustable LED light	
Spindle	ISO/SK/BT50 (concentricity 2μm)	
Date output	USB, RS232	
Working air pressure	0.6~0.8MPa	
Environmental requirement	temperature: 5~35°C, relative humidity:10%~95%	
Power supply	110/220V, 50/60Hz	
Dimension (L×W×H)	1900×750×1750mm	
Weight	274kg	

## STANDARD DELIVERY

Main unit	1 pc
Controller	1 pc
Bracket for tools and converters	1 pc
ISO/SK/BT50 spindle (including 360° clamping and 4×90° clamping)	1 pc
Printer	1 pc
Printer label paper	1 pc



ISO/SK/BT50 to HSK63  
A/C/E, HSK80 B/D/F  
converter (optional)



ISO/SK/BT50 to ISO/SK/BT40  
converter (optional)

## OPTIONAL ACCESSORY

ISO/SK/BT50 to ISO/SK/BT40 converter	ISP-A350-C1
ISO/SK/BT50 to ISO/SK/BT30 converter	ISP-A350-C5
ISO/SK/BT50 to HSK63 A/C/E, HSK80 B/D/F converter	ISP-A350-C2
ISO/SK/BT50 to HSK50 A/C/E, HSK63 B/D/F converter	ISP-A350-C3
ISO/SK/BT50 to HSK40 A/C/E, HSK50 B/D/F converter	ISP-A350-C4
ISO/SK/BT50 to HSK32 A/C/E, HSK40 B/D/F converter	ISP-A350-C6
Spindle vacuum clamping	ISP-A350-VC
Printer label paper	ISP-A350-TAB