

TOOL PRESETTERS

INSIZE PLUS

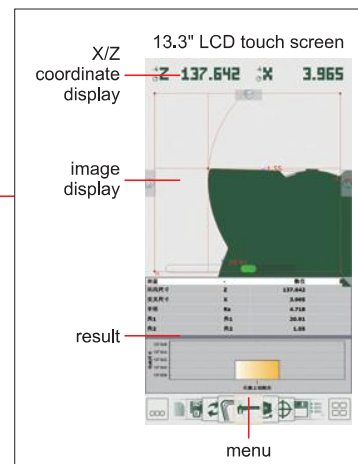
CHECK, PRESET AND MEASURE CUTTING TOOLS

AUTOMATIC RECOGNITION OF CUTTING EDGE SHAPES

DATA
OUTPUT



VIDEO



CCD camera and LED surface light source



air flotation button



ISO/SK/BT50 spindle (included)

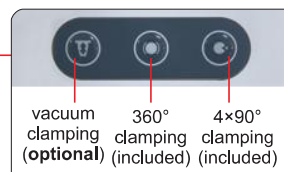


LED contour light source

controller

printer (included)

bracket for tools and converters (included)



key function

table (included)

ISP-B420

- 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



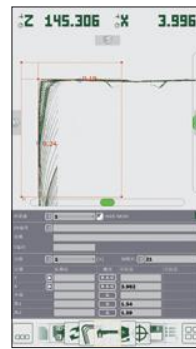
attach the printed label on the tool



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

Code		ISP-B420	ISP-B420H
Maximum tool diameter (X axis)		420mm	420mm
Maximum tool height (Z axis)		420mm	600mm
Range of snap gauge (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)	
Data 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	1900×750×1950mm
Weight		274kg	289kg



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

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 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 HSK100 A/C/E, HSK120 B/D/F converter	ISP-A350-C8
ISO/SK/BT50 to HSK80 A/C/E, HSK100 B/D/F converter	ISP-A350-C7
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