

TOOL PRESETTER

INSIZE PLUS
MADE IN EUROPE

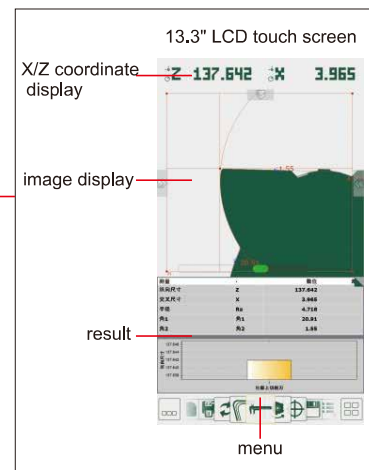
CHECK, PRESET AND MEASURE
CUTTING TOOLS

AUTOMATIC RECOGNITION
OF CUTTING EDGE SHAPES

DATA OUTPUT



视频



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)

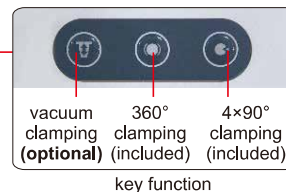


table (included)

ISP-B420



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

SPECIFICATION

Model	ISP-B420	ISP-B420H
Maximum tool diameter (X axis)	420mm	420mm
Maximum tool height (Z axis)	420mm	600mm
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	1900×750×1950mm
Weight	274kg	289kg



fast measurement,
automatic recognition of
cutting edge shapes



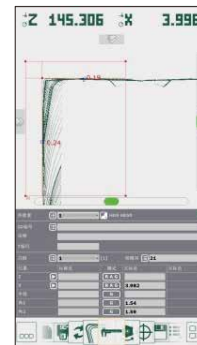
can store 99 sets of
converter parameters and
automatically prompt
to check the zero
position at fixed time

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

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, HSK32 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



scan and measure the
maximum profile of the tool



check cutting edge wear



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



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