EZset
tool setup made easy

www.EZset.info

Working profitably? Precisely!

with EZset tool presetters …

- easy
- precise
- profitable

Product Brochure version I.0/2006-03-06

The recipe for successful machining

Measuring quality before you even start machining pays big dividends. With EZset tool presetters, you can improve your CNC machine productivity by 15% right off the bat, simplify processes, and boost your competitiveness all at the same time. A true partner in production, EZset presets your cutting tools right next to your CNC machine!

It's easy to be precise …

just check out these benefits!

Our name brand product EZset offers high-quality components with an unbeatable price-performance ratio …

- **Precisely set tools**
every tool is measured, checked for tolerances, and adjusted prior before being used. So your CNC machine tool can cut accurately and consistently

- **Optimized machine uptime**
because you measure tools in the EZset tool presetter - not the machine tool - you see an immediate increase in CNC productivity: machine time is machining time

- **No scrap**
Each and every workpiece is machined to spec

With EZset tool presetters, the choice is easy:

15 % higher efficiency with an ergonomic, compact design, user-friendly style, and a complete package - table, printer, and more.

EZset helps you get the picture - fast …

The EZset vision system - camera plus software - measures the cutting edge in just seconds and then evaluates the results automatically. **Compared to conventional projection technologies, the EZset system has big advantages:**

- **Fast and easy**
the dynamic crosshair immediately moves to the cutting edge and measures it automatically. If needed, you can freeze the crosshair (projector function)

- **Consistent results**
projection technology depends on a user's trained eye - that's why measurement results vary from user to user. EZset's **ImageController I** is different: The results are precisely the same for each user. Every time

- **Integrated tool management**
your tools are recorded once and nominal values are stored. That way you can quickly and easily check important tool data

The organization - an important parameter for success

Forget about measuring in the machine tool or with a laser that demands a different setup for each CNC system. Cut costs by using a centralized tool presetter. Each and every set tool receives a label stating the measurement results. This information also can be easily entered into the machine tool.

01: The **ImageController1** vision system's graphical user interface and help text guide the user through the menu. Every menu function includes further online help

02: Edge Inspection is a standard feature in the **ImageController1** that lets you see real tool images to check them for wear and tear

03: Transmitted light measuring with dynamic crosshair. Results are easy to read, and menu functions can be easily operated with the backlit symbols. **ImageController1** recommends the best measuring option and automatically even recognizes cutting edges over 90° throughout the entire measuring window

04: Label printout: 5 precise, consistent measurement results in seconds, including cutting edge length, diameter, radius, cutting edge angle 1 and 2

05: Ergonomic and user-friendly operation: One-hand push button for easy cutting edge positioning

06: Tool holder spindle ISO50 with high accuracy and integrated calibration edges

07: Keypad with pneumatic activation of 4 x 90° indexing and 360° brake of the ISO 50 tool holder spindle

08: Adapters for ISO/HSK/VDI and more are available. All adapters have calibration edges; there is no need for additional gauges

09: Adapter and utensil tray for adequate storage

10: Label printer for printing measurement results

EZclick - pick - push - done!

The simple, intuitive operation of the **Image Controller1** vision system is done with the unique **EZclick** pick-and-push button. With **EZclick**, you select functions, and confirm them with the push of a button. Corresponding symbols show everything clearly; additionally, a short explanation appears as text. For every function, an online help is available.

Shortest training time and more fun to use - other systems just don't measure up!

It's easy. It's EZset!

EZset benefits at a glance:

Features

1. **ImageController1** vision system for precise and reliable tool measurement
2. 6.5" TFT color monitor
3. CMOS camera including 12 power LED lightings for edge inspection
4. Focusing aid for precise measurements
5. Precise tool holder spindle ISO 50
6. Pneumatic indexing 4 x 90° and 360° for the ISO 50 tool holder spindle
7. Memory for 99 zero points
8. Tool management for 1000 tools
9. Measurement value output on label printer
10. Updates with memory stick

Highlights

1. Edge inspection for quality and wear checks
2. Measuring programs for axial and radial runout
3. Measuring program for largest cutting edge and diameter
4. User-guided zero point monitoring to avoid machine crashes
5. Complete package including table, adapter tray and utensil tray, label printer, as well as EZbreak coffee mug

Focusing on the user

1. EZclick pick-and-push button with unique menu guide
2. Integrated online help for every menu function
3. Practical, ergonomic industrial design

Low cost, high performance

EZset tool presetters set a high standard - from low cost to high performance. Brand-name quality like Bosch pneumatics, THK guideways or Heidenhain glas scales (in X and Z with 1 mm resolution) deliver long, maintenance-free performance and ensure efficient operation. EZset redefines economic operation using its vision system, precise tool holder spindle, and all the necessary accessories. **You get maximum value at a minimum price!**

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EZset makes everything simple - also access to information and spare parts. Simply log on and access the EZset Knowledgebase from anywhere in the world. Whether you need answers to toolsetting questions or the location of the nearest EZset reseller, we are always there for you. You can also reach us by phone through our hotline.

Optional:

DNC-DataController1

for control-driven data transfer directly to the CNC machine

EZset: small investment, big results!

EZset delivers success ...

in 2 sizes - to fit the lengths and diameters of tools you need to measure:

■ EZset400:

X axis (diameter): 400 mm / 15.75"
Z axis (length):   400 mm / 15.75"

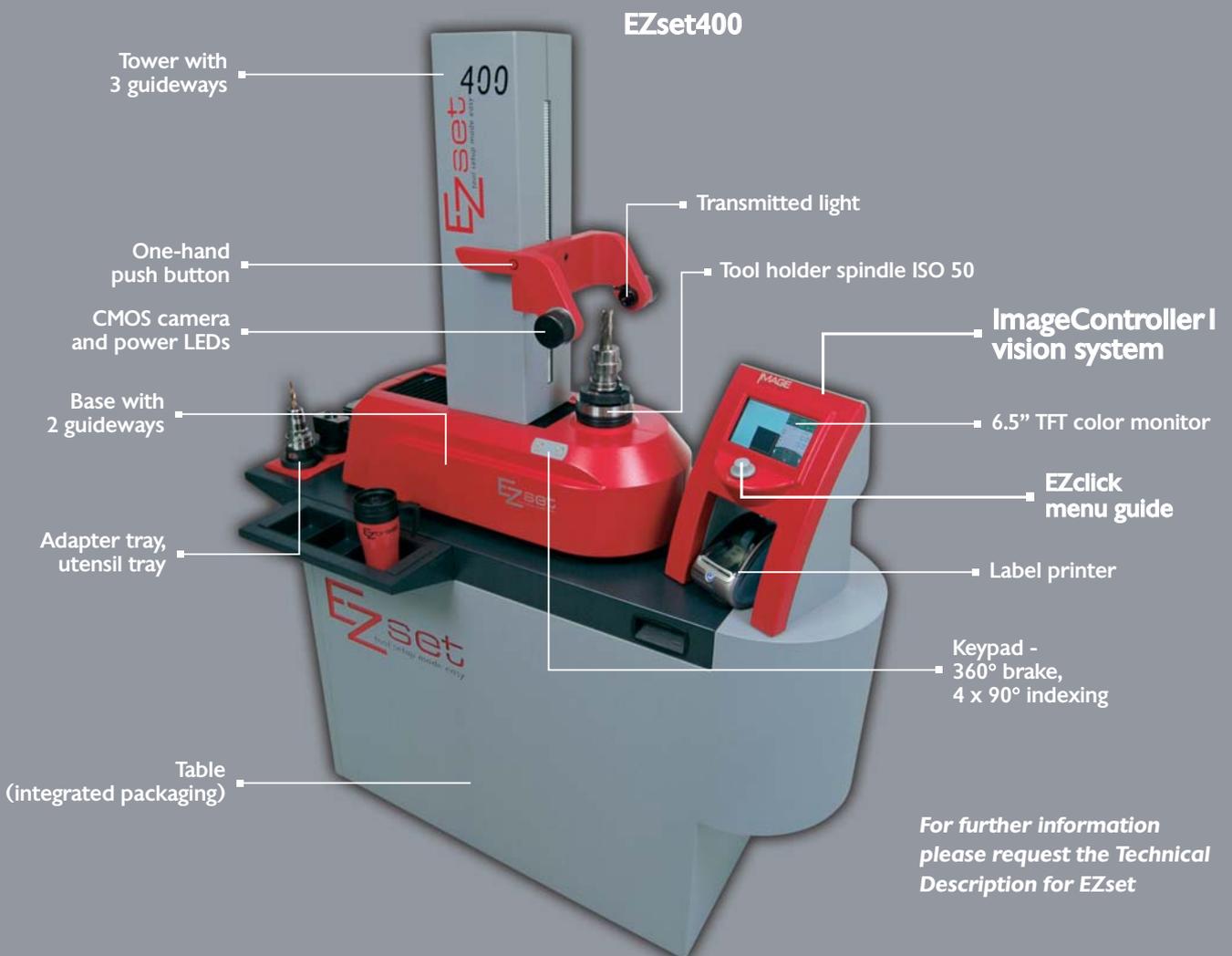**■ EZset600:**

X axis (diameter): 400 mm / 15.75"
Z axis (length):   600 mm / 23.62"

EZset400 and EZset600 are equipped with the **ImageController I** *vision system.*

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Ready - set - done!

EZset400

- Tower with 3 guideways
- One-hand push button
- CMOS camera and power LEDs
- Base with 2 guideways
- Adapter tray, utensil tray
- Table (integrated packaging)

- Transmitted light
- Tool holder spindle ISO 50

ImageController I vision system

- 6.5" TFT color monitor
- **EZclick menu guide**
- Label printer
- Keypad - 360° brake, 4 x 90° indexing

For further information please request the Technical Description for EZset

www.EZset.info

Contact

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