

# PINZBOHR®

## BORING SYSTEM



**OPTIMA** PREMIUM



**TPR**



**OPTIMA**

# Easy • Fast • Accurate

## Presetting and Measuring Instruments by Trimos

Preset • Measure • Control • Manage



## Sturdiness and handiness

The family of TPR presetting instruments is designed for extreme use conditions.

Their sturdiness has been proven in workshops worldwide for more than 15 years.

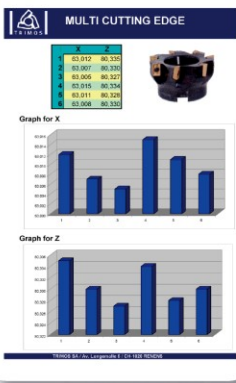
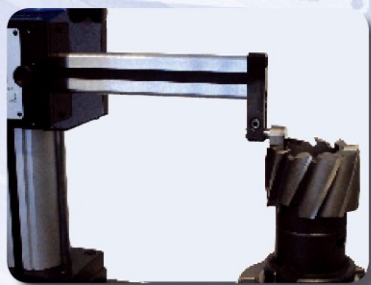
With several thousands units sold, it has become an indispensable classic in the presetting field.

This freestanding instrument, powered by battery, can be easily shifted thanks to its transportation handles.

Two digital displays allow simultaneous reading of the axis. The precision of the measuring by contact is ensured by a constant measuring force.

The use of this instrument is of extreme simplicity. No training is necessary.

- Compact and sturdy construction
- Reduction sleeves ISO, VDI, HSK
- Ease of use
- Freestanding instrument (no wires)
- Radius or diameter measuring
- Data output RS232
- Connection to printer possible
- Up to 1000 mm optional
- Excellent value for money
- Built-in transportation handles
- Thousands of units sold





# OPTIMA

## Simplicity and user-friendliness

OPTIMA is an universal tool presetting and measuring instrument. Its very innovative design, as well as its simplicity of use, have made it a bestseller worldwide.

TRIMOS® Duo Display, composed of a control unit coupled to an intelligent vision system, allows automatic measurement of any tool profile. Therefore, it is measured without influence from the operator.

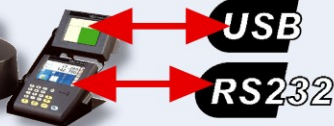
The user is guided by the interface in the measuring process and only essential data are displayed. All functions are rapidly accessible via the touch screen. An interactive, easy-to-use tool management system, belongs to the OPTIMA standard equipment. All models are available in manual or motorized version. Optima components are supplied by world famous companies like Heidenhain, Schneebberger and Sony.

The grey cast-iron structure ensures great stability to the instrument. The rounded shape of the base, specific to OPTIMA, has often been imitated, without being equalled. Its pleasant design offers great access comfort.

OPTIMA allows an extremely rapid measuring of any tool shape and increases your productivity significantly.



- Sturdy and stable construction
- Simple and user-friendly
- Interchangeable Spindle System
- Spindle Brake and Index System
- Rapid measuring of any tool shape
- Integrated Help System
- RS232 and USB interfaces
- Customised measuring protocols
- Prints of labels and lists of tools
- Post-processors available
- Integrated tool management system up to 999 tools
- Backup on USB Memory Stick
- No need of compressed air



## Precision and performance

OPTIMA Premium represents the ideal solution for exacting users. A sturdy mechanical construction, combined with highly precise measuring and vision systems, ensure reliability and efficiency for many years.

The software TRIMOS® Shopware, which equips OPTIMA Premium instruments, is the outcome of a long experience in the field of tool presetting. It has been especially developed in order to facilitate the user's task and increase the measuring speed. TRIMOS® Shopware is compatible with the latest innovations in the tool area and can be easily integrated into all production systems.

Like all other TRIMOS instruments, OPTIMA Premium is entirely developed and produced in our workshops in Switzerland. Mastering of production process, as well as a 30-year-old know-how, allow TRIMOS to offer instruments of legendary quality. All instruments are delivered with a precision certificate.

All models can be delivered in manual or motorized version.

Often imitated, but never reached

OPTIMA of TRIMOS only

- Very stable grey cast-iron base
- Interchangeable high precision spindles
- High precision vision system
- Minimal training needs, thanks to an intuitive user interface
- Very thorough basic version
- Integrated «multi-cutting» function
- Microsoft Windows XP
- Performing tool management system
- Easy integration in any production process
- Productivity oriented ergonomics
- Manual or motorized displacement
- Tool Identification System





# Accessories



Interchangeable spindles  
ISO, HSK, VDI



Reduction sleeves



Tool holders



Vacuum clamping system



Tool identification system



Working bench



Post-processors



USB memory stick



Printer for labels



Touch screen

	TPR	Optima	Optima Premium
Spindle System fix / changeable	■/■	■/■	■/■
Spindle System ISO / HSK / VDI	■/■/■	■/■/■	■/■/■
Adapter / Reductions	■/■	■/■	■/■
Measuring System Sylvac / Heidenhain	■/■	■/■	■/■
Spindle Break / Index	■/■	■/■	■/■
Digital Vision System	■	■	■
Standard Magnification	■	10	40
Integrated Help System	■	■	■
Graphical User Instructions	■	■	■
Dynamic Focus Bar	■	■	■
Max Focus Bar	■	■	■
Max Hold	■	■	■
Multi Cutting	■	■	■
Contour Scan Measurement	■	■	■
Tolerance Value Measurement	■	■	■
Automatic Measuring Functions	■	■	■
Editable Measuring Functions	■	■	■
Point Measure	■	■	■
Tool Identification Systems	■	■	■
Data Output external Systems	■	■	■
Data Input external Systems	■	■	■
Graphical Positioning Help System	■	■	■
Adjustable Tool Inspection Light	■	■	■
Tool Database	■	999	>100.000
Tool Lists / Tool Components	■/■	■/■	■/■
Tool Pictures fixed / variable	■/■	■/■	■/■
Touch Screen	■	■	■
Manual / motorized	■/■	■/■	■/■
Interface RS232 / USB / RJ45	■/■/■	■/■/■	■/■/■
Print Tool Label / Tool List	■/■	■/■	■/■
Print Standard- / Special Protocol	■/■	■/■	■/■
Easy Backup / Restore	■/■	■/■	■/■
■ Not available / ■ Standard / ■ Option			

mm	TPR		Optima / Optima Premium								
X Diameter	200	300	310			462					
Z Height	300	400	320	422	523	626	725	825	1025	1225	

Represented by:



## PINZBOHR

C/ Industria, nº 34  
08160 Montmeló  
Barcelona, SPAIN  
Phone: +34 93 572 08 73  
Fax: +34 93 572 09 36  
pinzbohr@pinzbohr.com  
www.pinzbohr.com