



# Multi-gauging

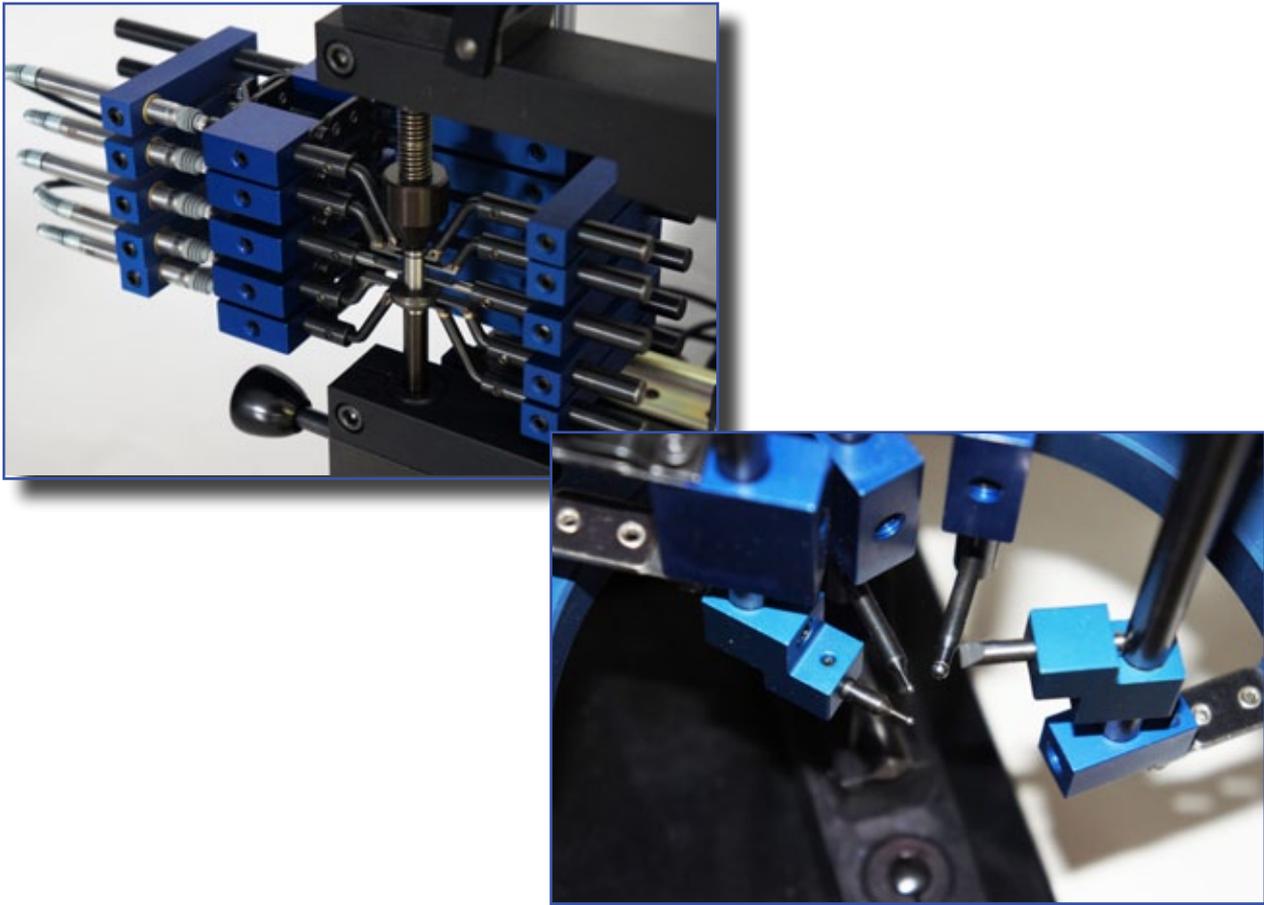
Multi-gauging stations up to 32 characteristics and SPC functions





Metro proposes custom solutions for controlling complex cylindrical work parts.

The mechanical fixture is based on standard elements that allow reducing consequently the cost of such a system. Measurement is done with inductive gauging probes (or other technologies) and the results are displayed on a M400 display unit that allow not only to see instantaneously if the part is OK or not but also to send the result and a lot information to a computer.



### *Customer's benefits*

#### **Why the multi gauging stations from Metro reduces the risk of error?**

Because the measurements are not dependant on the operator. Many companies perform their controls with hand tools like calipers that causes risks of wrong measurement and loss of time.

#### **Why the multi gauging stations from Metro increase your productivity?**

Because in few seconds, our system is able:

- to measure up to 32 characteristics simultaneously
- to display the result GO/NO GO for each characteristics and for the complete part
- to save the measurements with advanced statistics functions
- to communicate all these information to an external system like a computer.

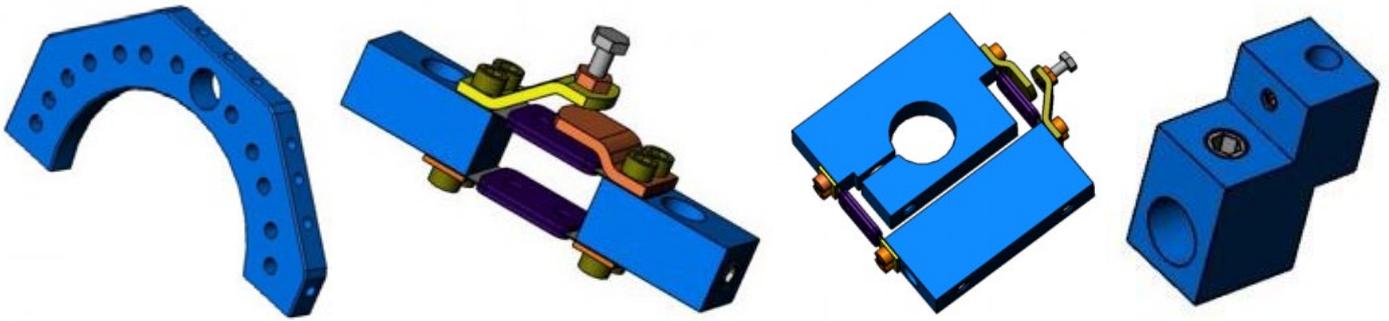
**Everything with a great reliability.**

## A customised gauging station based on standard elements

The multi-gauging fixture is made with standard elements that allows :

- To reduce the price of the system
- To reduce the engineering and delivery time
- To be able to re-use elements on others fixtures when a part is finished to produce
- To replace easily elements in case of damage

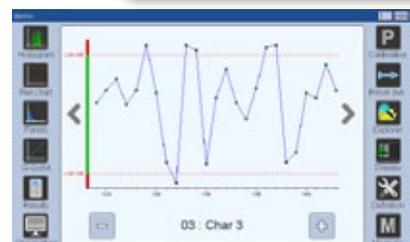
Below are few examples of standard elements. For complete list or quotation for a specific part, please contact us.



## Display

The multi-gauging station can be delivered with a M400 display unit that allow to read the probes, displays and send the results to an external system like a PC.

The M400 is particularly adapted for being used with this kind of fixture because it displays clearly and quickly the results without the possibility of wrong interpretation. In the case of measurement in several steps, the M400 detects automatically which step is active and display only the characteristics that are currently measured. The bargraphs size adapts automatically depending on the characteristics number.



## Probes

The multi-gauging station can be used with any type of probes. Inductive gauging probes are probably the most adapted because this type of measurement is made in comparison with a master part.

The Metro display units can receive many types of probes:

- Inductive
- Incremental
- Digital
- Capacitive

The probes are connected to our M-bus modules and up to 99 probes can be connected to our display. Our displays have also the possibility to receive signals from any type of measuring instruments like calipers, digital indicators, micrometers etc...



## Item references

Item	Ref
M400 display unit	45500
Mechanical elements for gauging fixture	on demand

For quotation, please send us by e-mail your part drawing and any useful description.

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