



ROMER Multi Gage.  
Do more whenever, wherever.

# ROMER

From the originator of portable measuring arms



 **HEXAGON**  
METROLOGY

# ROMER Multi Gage. Do more whenever, wherever.

ROMER's all-new, easy-to-handle portable CMM, with its innovative design and ROMER-exclusive features such as Tungsten counterweight, WiFi, plug-and-measure probes, and no-nonsense plug-and-play Multi Gage software make it the must-have 3D measurement tool for improving your productivity.

## Designed exclusively for today's machine shop, the six-axis ROMER Multi Gage is a portable precision CMM with a 1.2 m measuring volume.

The new Multi Gage is used for dimensional control of molds, parts, tooling, castings, and more. Its quick-mount system allows the CMM to be setup for on-demand measurement and inspection of parts or assemblies on your machine tool or anywhere on the shop floor.

## New plug-and-measure probes

Using Swiss-made multi-wire connectors from TESA, the same type used on the TESASTAR-M motorized probe head, ROMER's longstanding automatic probe recognition feature is now coupled with a highly proven, robust kinematic joint connection. The probes are automatically recognized and identified by the software – just like on a large CMM – with no re-calibration of probes required when changing from probe to probe.

## New innovative counterweight

Innovative counterweight design eliminates operator fatigue and assures the same high accuracy over the full range of measurements.

## New wrist design

Ergonomic wrist with intuitive and easy-to-reach buttons provides superb comfort of use and increases productivity.

## Easy installation and automatic report generation

No special installation required on-site; mount the Multi Gage directly on your machine and inspect parts without removal. No previous metrology knowledge is required, and measurement reports are generated automatically.

## Internal battery

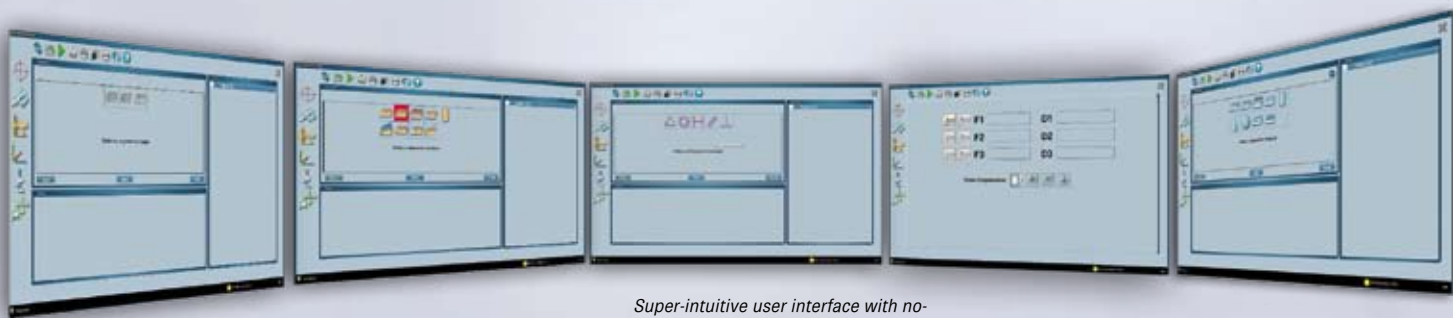
Measure whenever, wherever: the Multi Gage's internal battery grants you full autonomy of operation. Enjoy the same functionality on the shop floor as in the metrology lab – with no need for an external power supply.



Accuracy values in a 1.2 m sphere according to ISO 10 360-2

$$MPE_e (\mu\text{m}) = 5 + L/40 = 18$$

$$MPE_p (\mu\text{m}) = 8$$



Super-intuitive user interface with no-nonsense operation





#### Complete system comprises:

- Six-axis ROMER Multi Gage portable CMM
- PC
- Multi Gage software
- USB cable
- Power supply and battery
- 1-year warranty
- Travel case
- Verification kit with qualification sphere
- 6 mm (0.24 in) TESA ruby sphere probe tip and 15 mm steel ball TKJ hard probes with quick disconnect and automatic probe identification

#### Optional accessories

- WiFi 802.11g
- Hard Case
- Certified length standard
- Probes
  - Ball probes – all sizes and lengths
  - Point probes

#### Integrated Battery

Lithium Ion

#### System requirements

Operating System: Windows XP 32-bit  
Laptop specifications: 1440 x 900 resolution

#### Temperature

Ambient temperature required for measuring operation: 0° C to 50° C

#### Maximum relative humidity

80% for temperatures up to 31° C  
decreasing to 50% relative humidity at 40° C

#### Power supply AC

Universal worldwide voltage 110-240 VAC,  
50/60 Hz, 1.8A. Output: 15VDC 4A

#### Electromagnetic compatibility

Compliant with CEM directives 89/336/EEC,  
93/68/EEC  
Applicable norms:  
EN61326-1 (06), EN55022(94) / A1(95)  
EN61000-4-2(95) / A1(98) / A2(00)  
EN61000-4-3(06)  
EN61000-4-4(04)+ corrigendum 1(06)  
EN61000-4-5(05), EN61000-4-6(03) / A1(00)  
EN61000-4-11(04), EN61000-3-2(00) / A2(05),  
EN61000-3-3(95) / A1(01) / A2(05)

#### Low voltage

Compliant with low voltage directive 2006/95/EC  
Applicable norm: EN61010-1 (2001)

# **ROMER**

**ROMER** is the originator of the portable measuring arm (first created in 1986 in Montoire France). The technological advance, the know-how, the demand for constant quality in the manufacture of the arms, the international presence are the main strengths of ROMER. Other products from ROMER include scanning probes for reverse engineering, non contact probes for tube inspection and milling of raw materials.

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Version 11/2008. Printed in Switzerland. November 2008.