

Excellent measurement accuracy
100-position mass standards magazine
Function of automatic mass standard dissemination

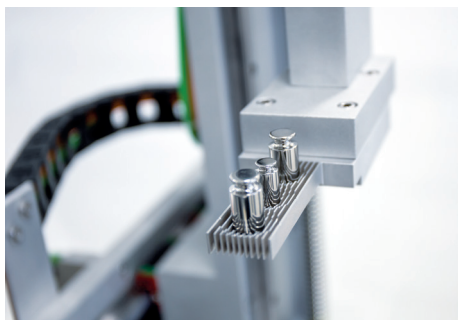


RMC **Robotic Mass Comparator**

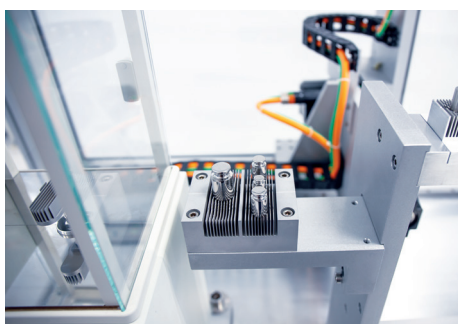
AUTOMATIC COMPARISON PROCESS



The RMC mass comparator is equipped with 100-position magazine.



Feeder of custom design enables fast and precise comparison and dissemination.



Intermediate mass standard magazine significantly shortens calibration and facilitates dissemination.

RMC

Full automation of mass standards comparison

The new line of RADWAG-manufactured RMC robotic mass comparator ensures repeatability of measurements ranging from 1 g to 1 kg with readability of 0.1 μ g.

The device is equipped with two magazines, 100-position one and additional 2-position magazine enabling dissemination of the mass standard into maximum 3 mass standards (e.g. 50 g mass standard can be disseminated into 3 mass standards of 20 g, 20 g and 10 g). Locating additional magazine near mass comparator weighing pan significantly shortens the calibration process.

The Best Measurement Repeatability over Short Period of Time

RMC robotic mass comparator, due to the elimination of the human factor, temperature changes and air drafts, guarantees excellent measurement repeatability.

Intermediate mass standard magazine enables storing mass standards near the weighing pan. With this the calibration time is reduced to minimum.

Ambient Conditions Measurement Carried Out in Few Points of the Device

The mass comparator is equipped with top-class thermo-hygro-barometers allowing to test ambient conditions in real time and in different points (e.g. in weighing chamber, mass standard magazine, etc.). The characteristic feature of the device is high readability of pressure (0.001 hPa), humidity (0.01%), and temperature (0.001 $^{\circ}$ C).



Option of remote mass comparator control via computer or tablet.

Universal Magazine Insert Shape

Insert design of the mass standard magazine allows measurement of weight of very small mass with high accuracy and prevents weight jamming. The device enables comparison of weight of various shapes using just one universal insert.

RMC 100.1

RMC 1000.1

OIML calibration range	E1	1 g ÷ 100 g	10 g ÷ 1000 g
OIML calibration range	E2	1 g ÷ 100 g	10 g ÷ 1000 g
OIML calibration range	F1	1 g ÷ 100 g	10 g ÷ 1000 g
OIML calibration range	F2	1 g ÷ 100 g	10 g ÷ 1000 g
Maximum capacity [Max]		110 g	1060 g
Readability [d]		0.1 μ g	1 μ g
Repeatability *		1 μ g	4 μ g (10 g ÷ 100 g) 5 μ g (100 g ÷ 500 g) 8 μ g (500 g ÷ 1000 g)
Stabilization time		30 s	30 s
Adjustment		Automatic external	Automatic external
Electric compensation range		-1 g ÷ +6 g	-10 g ÷ +60 g
Magazine positions		100 positions	36 positions
Communication interfaces		USB-A \times 2, USB-C, HDMI, Ethernet, Wi-Fi®, Hotspot	USB-A \times 2, USB-C, HDMI, Ethernet, Wi-Fi®, Hotspot
Weighing pan dimensions		24 \times 63 mm	50 \times 125 mm

*Repeatability is expressed as a standard deviation determined for 6 ABBA cycles | Wi-Fi® is a registered trademark of Wi-Fi Alliance.