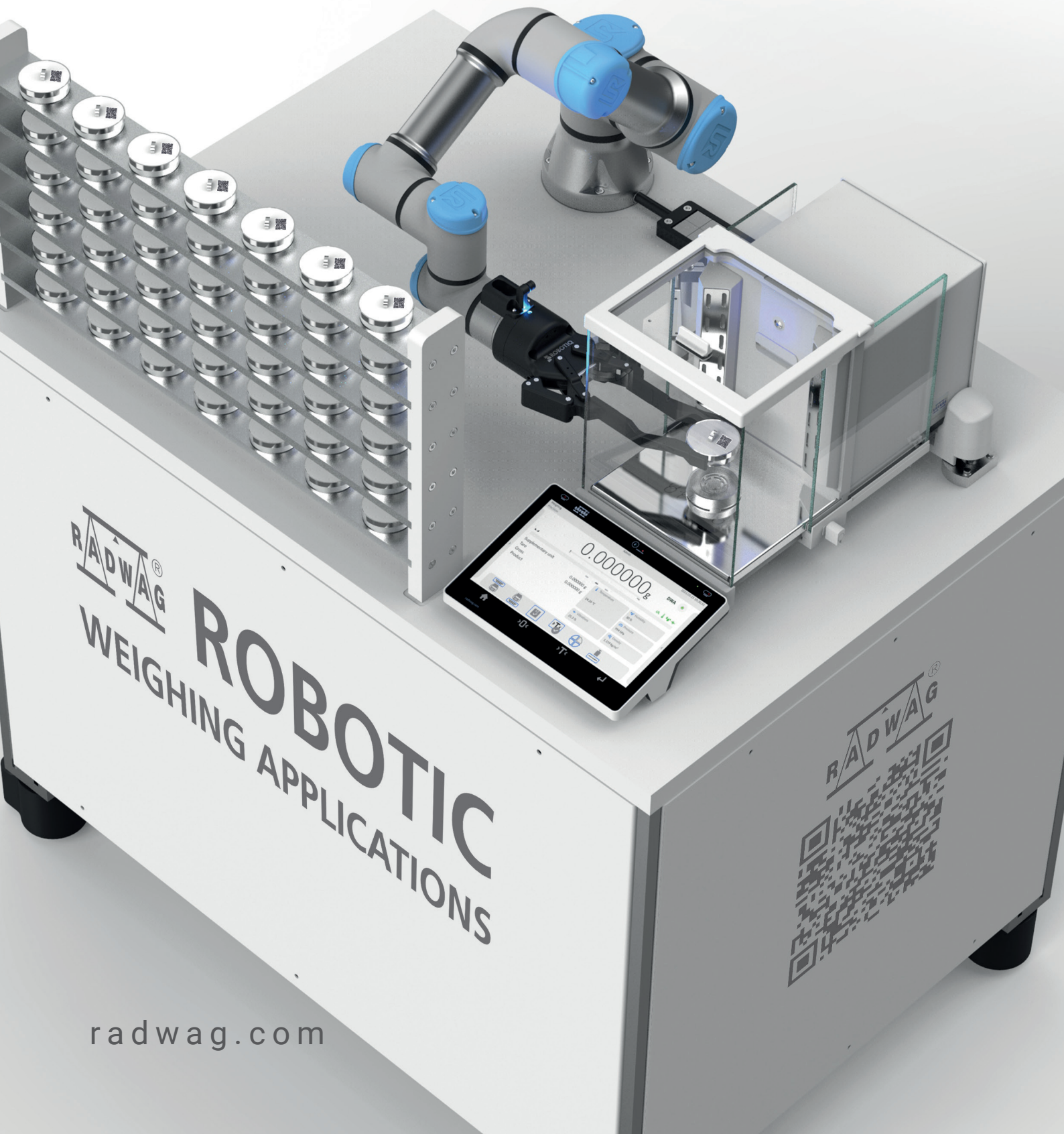
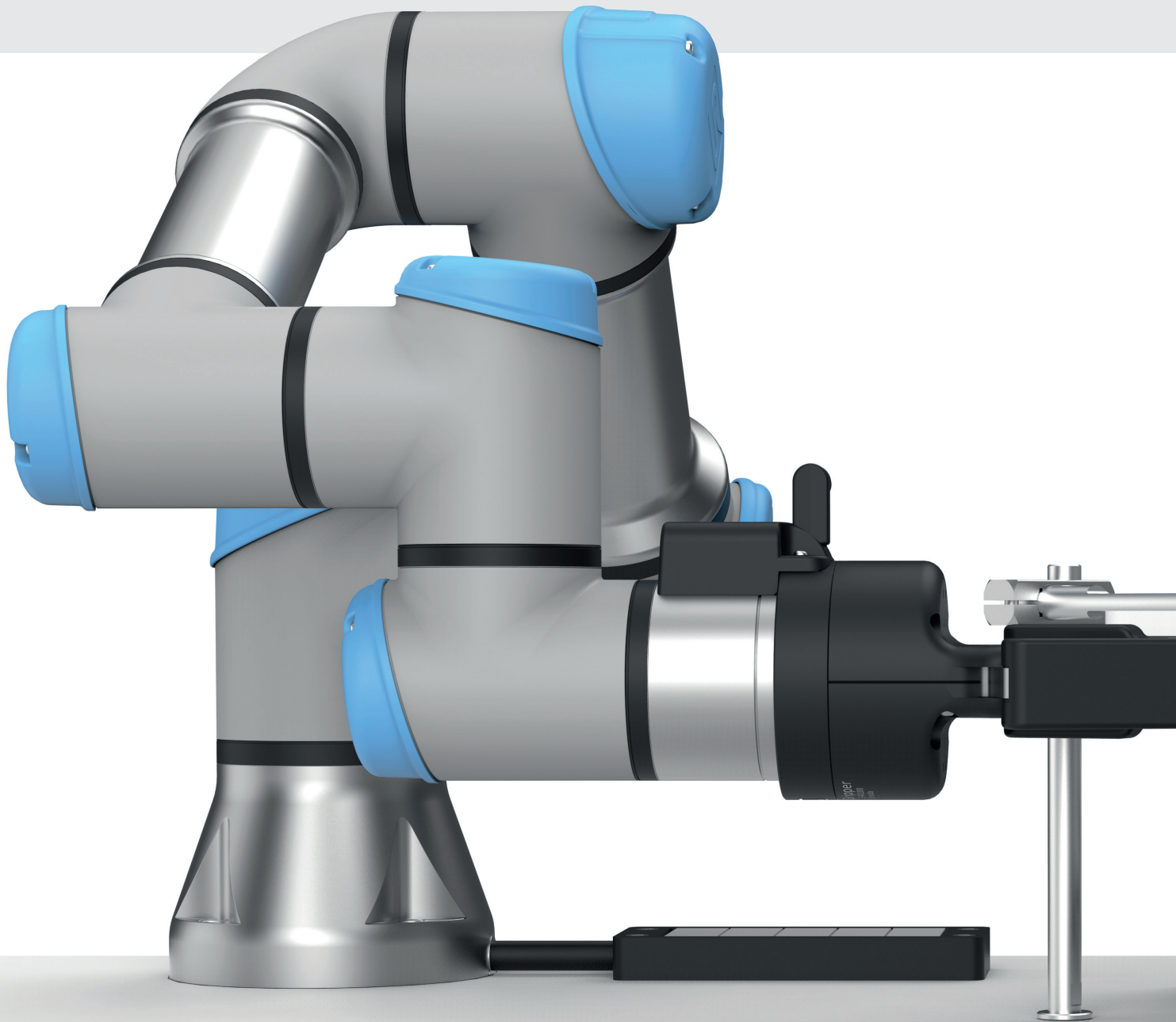


RW 5Y.F42 Robotic Weighing System



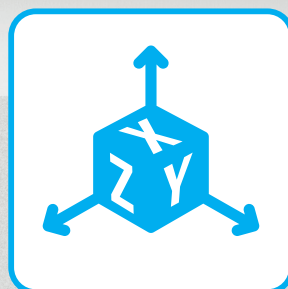
Mobile Robotic Filter Weighing Station



Arm reach 500 mm



Arm capacity 3 kg



Movement of the arm
in several axes



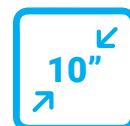
Six degrees of arm
deflection



Full automation



42 filters \varnothing 47 mm



Large touch screen



Touch-free operation

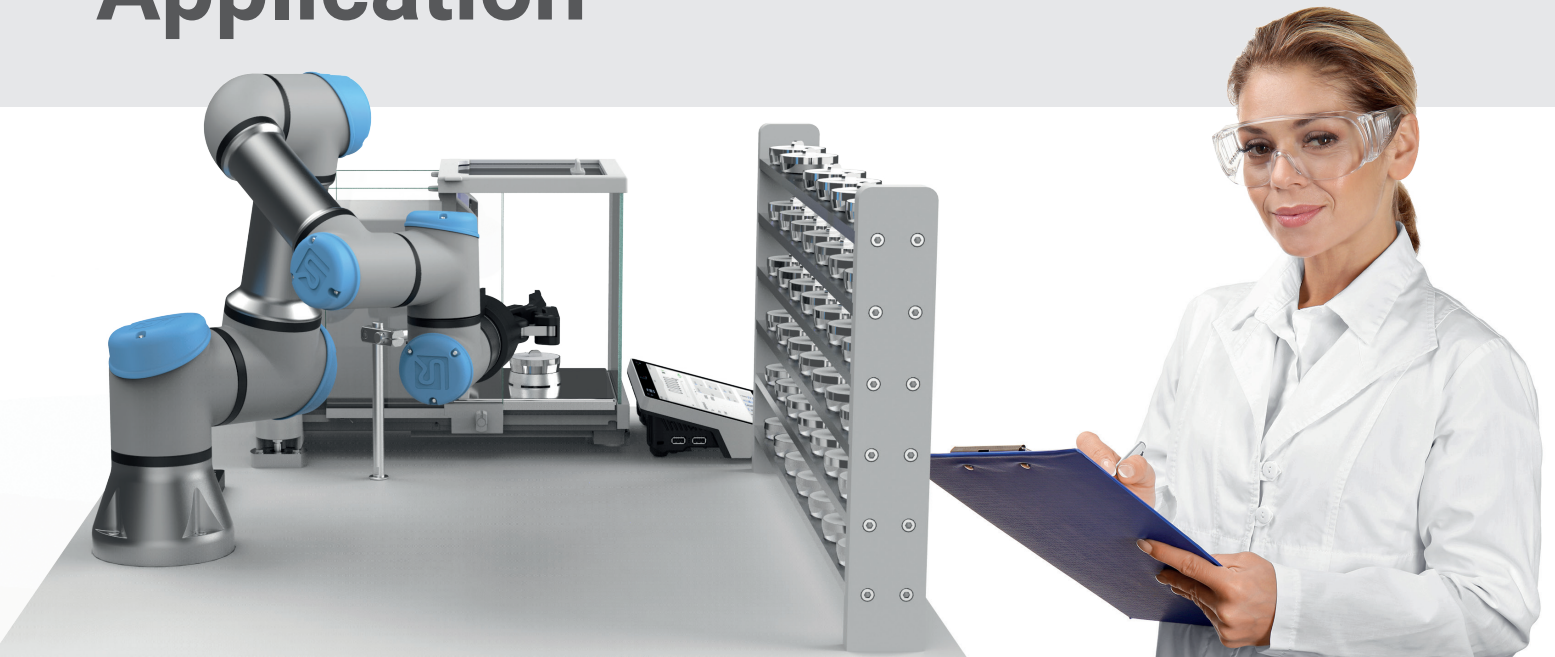


Multiple interfaces



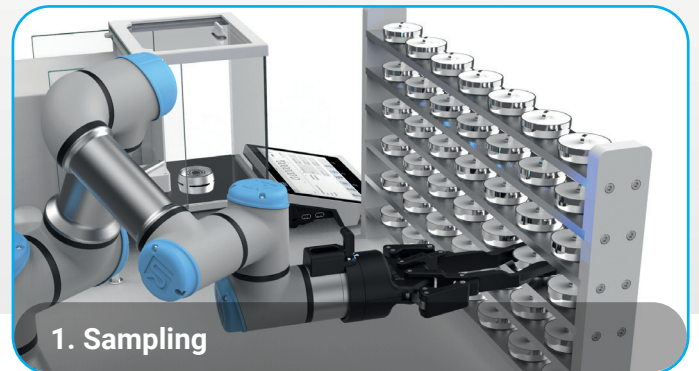
RW 5Y.F42

Application

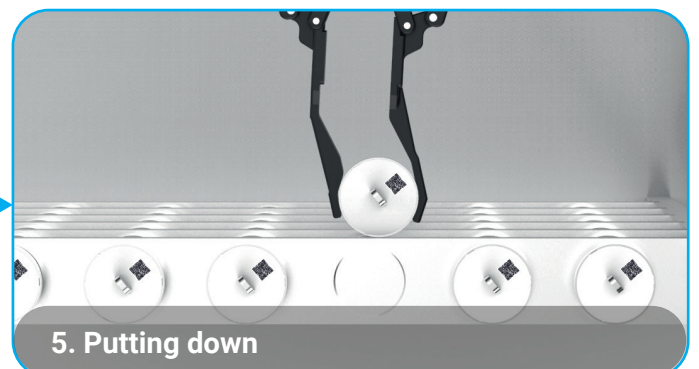
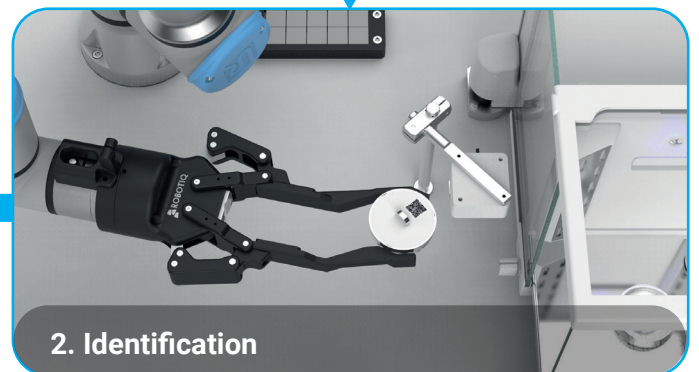


The use of a robot equipped with a **range of certified safety systems** allows the robot to interact directly with laboratory staff and minimise the space required for its operation.

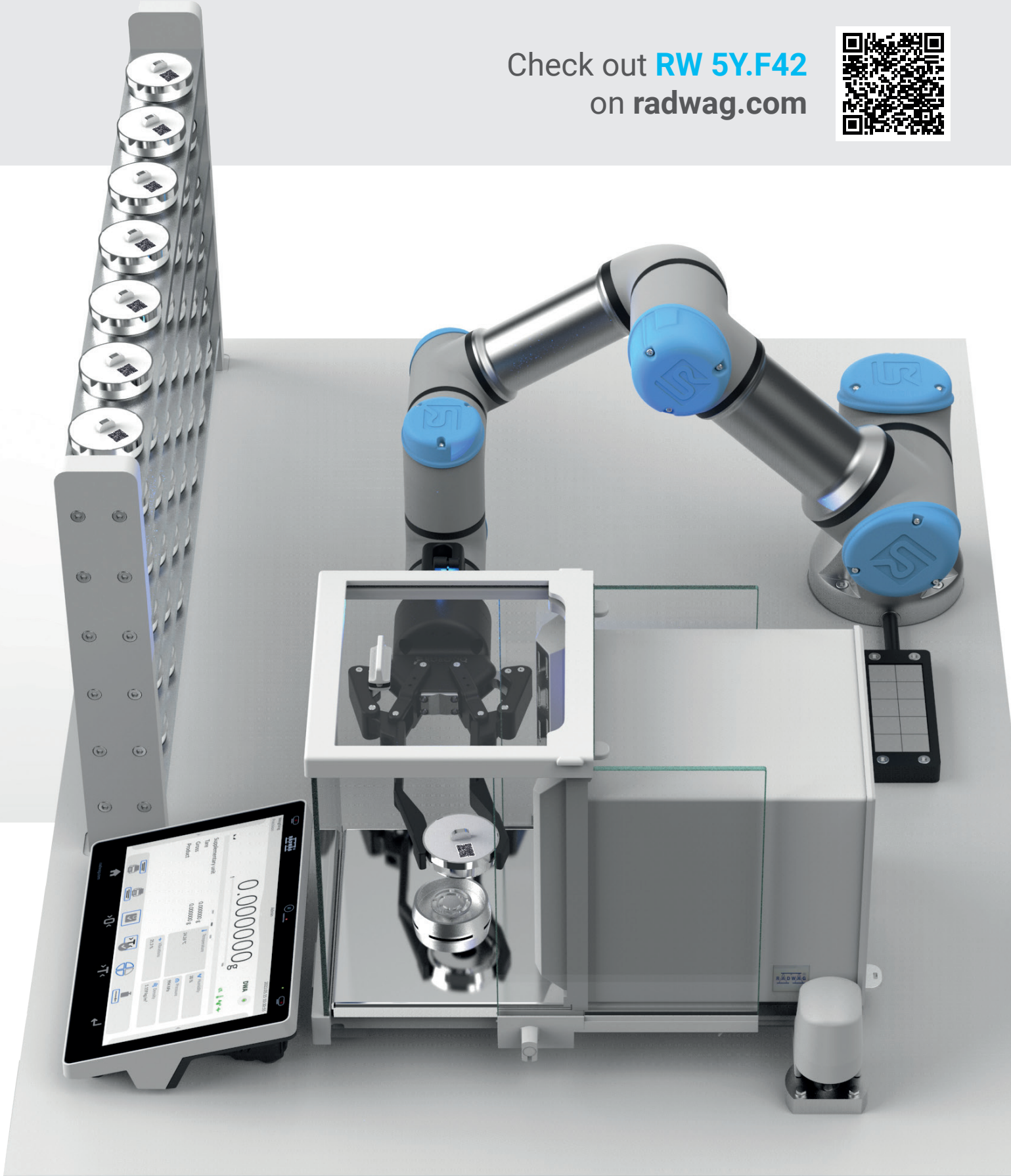
Environmental condition monitoring records the current environmental conditions and allows them to be viewed and data reported.



Weighing process



Check out **RW 5Y.F42**
on radwag.com



RADWAG[®]



Set Elements

Robot with dedicated gripper to transport filters between the warehouse a mikrowaga

QR code reader built into the device

Storage for filters (storage capacity: 42 cassettes)



PC with RMCS Filter software, managing the operation of the entire unit





Microbrewery with blast guard

Ionisation system as an integral part of the microbalance

Weighing terminal for to manage the operation of the device

Monitoring of environmental conditions: temperature, humidity and pressure

Weighting Precision Admin 2023.05.15 10:30:55

0.000000g DWA

Supplementary unit	0.000000 g	Temperature	24.26 °C	Humidity	30 %
Tare	0.000000 g	Pressure	994 hPa	Density	1.159 kg/m ³
Gross		Vibrations	21.3 %		
Product					

raifwg.com

Specification

Check out
RW 5Y.F42
on radwag.com



Metrology parameters

Maximum capacity [Max]	6.1 g
Minimum load [Min]	0.1 mg
Readability [d]	1 µg
Verification unit [e]	1 mg
Tare range	-6.1 g
Standard repeatability [5% Max]	0.8 µg
Sensitivity time drift	$1 \times 10^{-6} / \text{Rok} \times \text{Rt}$
Stabilization time	~3.5 s
Adjustment	Internal (automatic)

Physical parameters

Display	10" touchscreen
Device dimensions	1087×755×1225 mm

Features of use

Time of one measurement cycle	45 s.
Full measurement cycle time for 42 samples	31.5 min.
Storage capacity	42 pcs.

Communication

Interfaces	USB-A×2, USB-C, HDMI, Ethernet, Wi-Fi®, Hotspot
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Electrical parameters

Power supply	110 – 240 V AC 50/60 Hz
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Warunki środowiskowe

Operating temperature	+10 ÷ +40 °C
Operating temperature change rate	±0.3°C/1h (±1°C/8h)
Relative humidity	40% ÷ 80%
Relative humidity change rate	±1%/h (±4%/8h)

Compatibility

Norms	EU no. 2017/1151, US EPA 40 CFR, US EPA 40 CFR Part 50
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Wi-Fi® is a registered trademark owned by the Wi-Fi Alliance®.

Repeatability is expressed as the standard deviation of 10 mass standard placements.

Stabilisation time depends on the external conditions and the dynamics of placing the weight on the pan; specified for the FAST profile.