

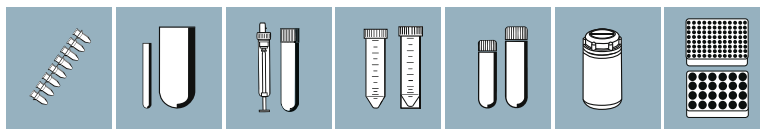
# MIKRO 220 Robotic

The MIKRO 220 Robotic is an air-cooled, robotically operated microlitre centrifuge with PC control. Wherever processes can be automated, it will optimize the workflow. It centrifuges tubes up to 2.0 ml, e.g. microlitre tubes or HPLC tubes, quickly and safely (provided that flammable solvents

are not used). This qualifies it for sample preparation in research laboratories of the life sciences as well as for daily routine tasks in medical diagnostics or industrial quality control.



TECHNOLOGY	MIKRO 220 Robotic
Centrifuge, without rotor	without cooling
	Front hatch
Voltage	Can be operated at different voltages. Units are fitted with a transformer.
Frequency	50 – 60 Hz
Consumption	480 VA
Max. RPM (speed)	13,000 min <sup>-1</sup>
Max. RCF	18,516
Permissible density	1.2 kg / dm <sup>3</sup>
Dimensions (H x W x D)	267 x 410 x 414 mm
Weight	approx. 27 kg
<b>Cooling</b>	
Temperature control, continuous	-
<b>Cat. No.</b>	<b>2350</b>



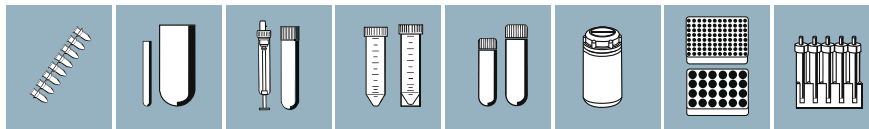
# ROTINA 380 / 380 R / 380 RC Robotic

The ROTINA 380 Robotic models are available as air-cooled or cooled benchtop centrifuges and as cooled underbench units. They centrifuge microtitre plates and blood collection tubes quickly and reliably. The ROTINA 380 RC Robotic is ideally suited for setting up an automated workstation for routine clinical chemistry.

It can carry out special tasks, such as the centrifugation of STAT samples. In the research sector, the ROTINA 380 Robotic models also make a valuable contribution.



TECHNOLOGY	ROTINA 380 Robotic	ROTINA 380 R Robotic	ROTINA 380 RC Robotic
Centrifuge, without rotor	without cooling	with cooling	with cooling
	Rear hatch / front hatch		
Voltage	Can be operated at different voltages. Units are fitted with a transformer.		
Frequency	50 – 60 Hz		
Consumption	750 VA	1,500 VA	1,500 VA
Max. RPM (speed)	5,100 min <sup>-1</sup>		
Max. RCF	4,696		
Permissible density	1.2 kg / dm <sup>3</sup>		
Dimensions (H x W x D)	447 x 470 x 579 mm	447 x 680 x 579 mm	622 x 470 x 579 mm
Weight	approx. 81 kg	approx. 113 kg	approx. 120 kg
<b>Cooling</b>			
Temperature control, continuous	-	from -20 to +40 °C	from -20 to +40 °C
<b>Cat. No.</b>	<b>3700 / 3700-10</b>	<b>3702 / 3702-10</b>	<b>3704 / 3704-10</b>



# ROTANTA 460 Robotic

The ROTANTA 460 Robotic is a cooled, floor-standing centrifuge. Robotic centrifuges from the ROTANTA range have been an integral part of numerous laboratory automation systems for several decades. Today automated sample preparation is indispensable in medical diagnostics.

Robotically operated ROTANTA models have long been successfully deployed in biotechnology research laboratories and in the pharmaceutical industry, for example for high-throughput screening.



TECHNOLOGY	ROTANTA 460 Robotic <sup>36)</sup>
Centrifuge, without rotor	with cooling
	Rear hatch / front hatch
Voltage	Can be operated at different voltages. Units are fitted with a transformer.
Frequency	50 – 60 Hz
Consumption	1,800 VA
Max. RPM (speed)	6,200 min <sup>-1</sup>
Max. RCF	6,446
Permissible density	1.2 kg / dm <sup>3</sup>
Dimensions (H x W x D)	684 x 554 x 697 mm
Weight	approx. 159 kg
<b>Cooling</b>	
Temperature control, continuous	from -20 to +40 °C
<b>Cat. No.</b>	<b>5680-RS232 / 5680-10-RS232</b>

<sup>36)</sup> Also available on castors.

# STANDARD ACCESSORIES FOR ROBOTIC CENTRIFUGES

## MIKRO 220 Robotic

The MIKRO 220 Robotic can run with a swing-out rotor for microlitre tubes and a swing-out rotor for HPLC tubes. Centrifugation of flammable materials is not allowed; application is therefore restricted to non-flammable solvents.

**Swing-out rotor, 24-place,  
for microlitre tubes**



**Cat. No. (with carriers) 2394**

**Swing-out rotor, 12-place,  
for HPLC tubes**



**Cat. No. (with carriers) 2362**

## ROTINA 380 / 380 R / 380 RC Robotic

The standard accessories for the ROTINA 380 Robotic models include two swing-out rotors with suitable carriers.

**Swing-out rotor, 4-place  
illustrated with carriers 3725-R**



**Cat. No. (without carriers) 3724-R**

**Swing-out rotor, 2-place  
illustrated with carriers 3730-R**



**Cat. No. (without carriers) 3722-R**

## ROTANTA 460 Robotic

A comprehensive range of standard accessories is available for ROTANTA 460 Robotic centrifuges. Three swing-out rotors and eleven sorts of carriers are available for centrifuging different tubes and plates.

**Swing-out rotor, 4-place  
illustrated with carriers 4486-R**



**Cat. No. (without carriers) 4444**

**Swing-out rotor, 4-place  
illustrated with carriers 5632-R**



**Cat. No. (without carriers) 5699-R**

**Swing-out rotor, 2-place  
illustrated with carriers 5631-R**



**Cat. No. (without carriers) 5622**