

IKA

designed for scientists

EN



Innovative laboratory solutions for your research
PRODUCT OVERVIEW

We believe that even a laboratory classic can always be made better: The magnetic stirrer was invented more than seven decades ago, but never before have the world’s best-selling stirrers been as powerful, energy-efficient, safe and durable as IKA’s modern magnetic stirrers. We have developed devices for mixing tasks in a wide range of volumes and viscosities, with and without heating function and even for multiple syntheses in up to 36 vessels simultaneously.

RCT basic
/// Bestseller reloaded

Here comes the new one: RCT basic is a classic among magnetic stirrers and is launched on the market in an updated version tested by TÜV SÜD. It is even safer and more robust than its predecessor and is equipped with numerous new features



EVEN MORE SAFETY

In accordance with the DIN EN 61010-2-010 standard, RCT basic meets all safety requirements for laboratory equipment for heating substances. The unit monitors all safety-relevant components and is therefore suitable for unattended operation. User safety is guaranteed even if individual components fail. As a consequence, RCT basic not only carries the CE certification, but has also been tested and certified by TÜV SÜD.

NEW FEATURES

The new RCT basic offers a USB and RS232 interface and can be integrated into labworld-soft® 6 laboratory software, for example, for digital networking, monitoring and control.

In addition, RCT basic has an improved fast temperature control. Compared to the previous model, the operating temperature range has been extended: a connected external sensor can display temperatures down to -20 °C. Operation at these low temperatures is possible without restriction, as is use under typical ambient conditions in the chemical industry

PROVEN FEATURES REMAIN

Of course, the new RCT basic also has a long service life, a powerful motor and a strong magnetic connection. And by meeting all safety standards, it is of course also suitable for unattended operation.

/// MAGNETIC STIRRERS WITH GLASS SURFACE

RCT basic

Ident. No. 0025005927



IKA Plate (RCT digital)

Ident. No. 0025004601



RCT basic ready-to-go Solution

Ident. No. 0010011525

RCT basic ETS-D5 Solution

Ident. No. 0010011496

RCT basic Synthesis Solution 250

Ident. No. 0010011505

RCT basic Synthesis Solution 500

Ident. No. 0010011502

RCT basic Synthesis Solution 1000

Ident. No. 0010011508

Further package information on page 163



TECHNICAL DATA	RCT BASIC	IKA PLATE (RCT DIGITAL)
Stirring quantity max. (H ₂ O)	20 l	20 l
Direction of rotation	right	right / left
Speed range	50 – 1500 rpm	50 – 1500 rpm
Heat output	600 W	600 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 310 °C
Set-up plate material	Aluminium alloy	Aluminium alloy
Set-up plate dimensions	Ø 135 mm	Ø 135 mm
Dimensions (W x H x D)	160 x 85 x 270 mm	160 x 85 x 270 mm
Protection class according to DIN EN 60529	IP 42	IP 42
Interfaces	USB, RS 232	USB, RS 232

RCT 5 digital

Ident. No. 0020002704

850 W
Power

C-MAG HS 7 control

Ident. No. 0020002694



① C-MAG HS 4 digital

Ident. No. 0004240200

② C-MAG HS 7 digital

Ident. No. 0003487000

③ C-MAG HS 10 digital

Ident. No. 0004240400



① C-MAG HS 4

Ident. No. 0003581000

② C-MAG HS 7

Ident. No. 0003581200

③ C-MAG HS 10

Ident. No. 0003581400



C-MAG HS 7 Package 0009015900

C-MAG HS 7 Magnetic Stirrer with heating and ceramic plate

ETS-D5 Electronic contact thermometer

H 38 Holding rod

H 44 Boss head clamp

H 16 V Support rod

TECHNICAL DATA	RCT 5 DIGITAL	C-MAG HS 7 CONTROL	C-MAG HS 4 7 10 DIGITAL	C-MAG HS 4 7 10
Stirring quantity max. (H ₂ O)	20 l	20 l	5 l 10 l 15 l	5 l 10 l 15 l
Speed range	50 – 1500 rpm	50 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Heat output	850 W	1000 W	250 W 1000 W 1500 W	250 W 1000 W 1500 W
Heating temperature	RT + device self heating – 310 °C	RT + device self heating – 500 °C	50 – 500 °C	50 – 500 °C
Set-up plate material	Aluminum with ceramic coating	Ceramic	Ceramic	Ceramic
External Temperature control	137 × 137 mm	180 × 180 mm	PT 1000	– ETS-D5 ETS-D5
Dimensions (W × H × D)	160 × 85 × 270 mm	220 × 88 × 354 mm	150 × 105 × 260 mm 215 × 105 × 330 mm 300 × 105 × 415 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 42	IP 21	IP 21	IP 21

RET basic

Ident. No. 0003622000



① RH basic

Ident. No. 0005019700

② RH basic white

Ident. No. 0005029700

③ RH basic 2

Ident. No. 0003339000

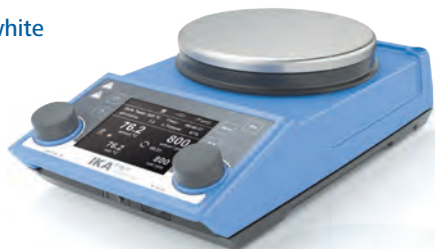


① RET control-visc

Ident. No. 0005020000

② RET control-visc white

Ident. No. 0005030000



① RH digital

Ident. No. 0005019800

② RH digital white

Ident. No. 0004678000



Weighing function
& pH measurement

TECHNICAL DATA	RET BASIC	RET CONTROL-VISC WHITE	RH BASIC BASIC WHITE RH BASIC 2	RH DIGITAL DIGITAL WHITE
Stirring quantity max. (H ₂ O)	20 l	20 l	15 l 10 l	15 l
Speed range	50 – 1700 rpm	50 – 1700 rpm	100 – 2000 rpm	100 – 2000 rpm
Heat output	600 W	600 W	600 W 400 W	600 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 340 °C	50 – 320 °C Room temp. °C – 320 °C	50 – 320 °C
Set-up plate material	Stainless steel 1.4301	Stainless steel 1.4301 I Coated	Stainless steel 1.4301 RH basic white: coated	Stainless steel 1.4301 RH digital white: coated
Connection for ext. temperature sensor	PT 1000	PT 1000	ETS-D5 ETS-D5 –	ETS-D5
Dimensions (W × H × D)	160 × 95 × 270 mm	160 × 85 × 270 mm	160 × 100 × 250 mm 168 × 105 × 220 mm	160 × 100 × 250 mm
Protection class according to DIN EN 60529	IP 42	IP 42	IP 21	IP 21

/// MULTI-POSITION MAGNETIC STIRRER

① **RO 5**
Ident. No. 0003690500

② **RO 10**
Ident. No. 0003691000

③ **RO 15**
Ident. No. 0003692500

Adjustable reverse operation

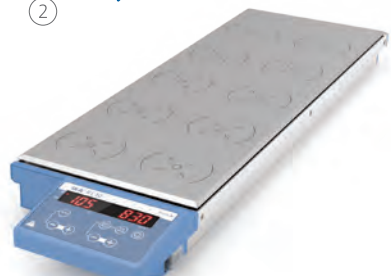


① **RT 5**
Ident. No. 0003690600

② **RT 10**
Ident. No. 0003691100

③ **RT 15**
Ident. No. 0003692600

Multi-position hotplate stirrer, for synchronous heating and stirring



/// INDUSTRIAL MAGNETIC STIRRER

① **Midi MR 1 digital**
Ident. No. 0025002968

② **Maxi MR 1 digital**
Ident. No. 0025002978



I-MAG
Industrial magnetic stirrer
Ident. No. 0020014226



TECHNICAL DATA	RO 5 RO 10 RO 15	RT 5 RT 10 RT 15	MIDI MR 1 DIGITAL MAXI MR 1 DIGITAL	I-MAG
Stirring quantity max. (H ₂ O)	0.4 l per stirring position	0.4 l per stirring position	50 l 150 l	300 l
Speed range	0 – 1200 rpm	0 – 1000 rpm	0 – 1000 rpm 0 – 600 rpm	100 – 1500 rpm
Heating temperature range	–	RT – 120 °C	–	–
Set-up plate material	Stainless steel 1.4301	Aluminium alloy	Stainless steel 1.4301	Stainless steel 1.4301
Set-up plate dimensions	120 × 470 mm 190 × 470 mm 280 × 470 mm	110 × 495 mm 180 × 495 mm 270 × 495 mm	350 × 350 mm 500 × 500 mm	260 × 260 mm
Dimensions (W × H × D)	120 × 60 × 570 mm 190 × 60 × 570 mm 280 × 60 × 570 mm	120 × 60 × 610 mm 190 × 60 × 610 mm 280 × 60 × 610 mm	360 × 110 × 430 mm 505 × 110 × 585 mm	260 × 70 × 300 mm
Protection class according to DIN EN 60529	IP 40	IP 40	IP 21	IP 64 / IP 22

- ① **topolino**
Ident. No. 0003368000
- ② **topolino mobil**
Ident. No. 0003381300
- ③ **Mini MR standard**
Ident. No. 0025004132



- KMO 3 basic**
Ident. No. 0020004631



- IKA myPlate**
Ident. No. 0025005156



- ① **lab disc white**
Ident. No. 0003907500
- ② **color squid white**
Ident. No. 0003671000
- ③ **big squid white**
Ident. No. 0003672000



- ① **C-MAG MS 4**
Ident. No. 0003582200
- ② **C-MAG MS 7**
Ident. No. 0003582400
- ③ **C-MAG MS 10**
Ident. No. 0003582600



TECHNICAL DATA	TOPOLINO MINI MR STANDARD	KMO 3 BASIC IKA MYPLATE	LAB DISC	C-MAG MS 4 7 10
Stirring quantity max. (H ₂ O)	0.25 l 1 l	5 l 1.5 l	0.8 l	5 l 10 l 15 l
Speed range	500 – 1800 rpm 0 – 2500 rpm	10 – 1500 rpm 100 – 2500 rpm	15 – 1500 rpm	100 – 1500 rpm
Set-up plate material	Synthetic (PP) Polyester	Glass	Polyester	Ceramic
Set-up plate dimensions	Ø 80 mm 115 × 115 mm	140 × 120 mm Ø 135 mm	Ø 100 mm	100 × 100 mm 180 × 180 mm 260 × 260 mm
Dimensions (W × H × D)	95 × 37 × 115 mm 115 × 37 × 129 mm	153 × 62.5 × 227 mm 152 × 30 × 164 mm	116 × 12 × 175 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 21 IP 42	IP 42 IP 54	IP 65	IP 21



Product	Ident. No.
TEMPERATURE SENSORS	
Stainless steel	
PT 1000.60	0003516800
PT 1000.80	0004443000
PT 100.70	0020000440
Glass-coated	
PT 1000.70	0003736000
PT 100.51	0002600300
SafeCoat (PFA, PTFE)	
PT 1000.90	0004480600
PT 100.53	0004499700
Dual	
PT 1000.50	0003367600
PT 1000.51	0003377700

ELECTRONIC CONTACT THERMOMETERS	
ETS-D5	0003378000
ETS-D6	0003378100

SENSORS FOR ETS-D5 / ETS-D6	
H 62.51	0002735451
H 66.51, glass coated	0002735551
H 66.53, coated	0004499900
H 70, extension cable	0002735600



RET control-visc	RET basic	IKA Plate (RCT digital)	RCT basic	C-MAG HS 7 control	C-MAG HS digital 4 7 10	C-MAG HS 7 10	RH digital basic
-	•	•	•	•	•	-	-
-	+	+	+	+	+	-	-
•	-	-	-	-	-	-	-
-	+	+	+	+	+	-	-
+	-	-	-	-	-	-	-
-	+	+	+	+	+	-	-
+	-	-	-	-	-	-	-
+	-	-	-	-	-	-	-

-	+	+	+	+	-	+	+
-	+	+	+	+	-	+	+

+ Compatible | - Not compatible | • Included in delivery

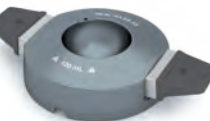




Square carrier with handle:
H 135.11



H 135.104



Flask carrier with handle:
H 135.21



Flask carrier without
handle: H 135.25



Inlay: H 135.301



Inlay: H 135.401



Inlay: H 135.501

Product	Hole Ø	Dimensions	Ident. No
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DRY HEATING BLOCK SQUARE SERIES

H 135.10 Square carrier without handle	–	160 × 160 mm	0025000832
H 135.11 Square carrier with handle	–	160 × 160 mm	0004448200
H 135.101 Block 16 × 4 ml	15.2 mm	79 × 79 mm	0025000626
H 135.102 Block 16 × 8 ml	17.5 mm	79 × 79 mm	0025000627
H 135.103 Block 9 × 16 ml	20.5 mm	79 × 79 mm	0025000628
H 135.104 Block 4 × 20 ml	28.5 mm	79 × 79 mm	0025000629
H 135.105 Block 4 × 30 ml	28.5 mm	79 × 79 mm	0025000630
H 135.106 Block 4 × 40 ml	28.5 mm	79 × 79 mm	0025000631
H 135.107 Block 100 ml	–	79 × 79 mm	0025000632
H 135.108 Block 250 ml	–	79 × 79 mm	0025000633

Product	Max. outer Ø	Inner Ø	Ident. No
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100 ML FLASK HEATING BLOCK SERIES

H 135.20 Flask carrier 100 ml without handle	142 mm	–	0025000634
H 135.21 Flask carrier 100 ml with handle	142 mm	–	0004448300
H 135.201 Flask inlay 10 ml	–	33.8 mm	0025000636
H 135.202 Flask inlay 25 ml	–	43.8 mm	0025000637
H 135.203 Flask inlay 50 ml	–	52.8 mm	0025000638

250 ML FLASK HEATING BLOCK SERIES

H 135.25 Flask carrier 250 ml without handle	142 mm	–	0025003280
H 135.26 Flask carrier 250 ml with handle	142 mm	–	0020007954

500 ML FLASK HEATING BLOCK SERIES

H 135.30 Flask carrier 500 ml without handle	142 mm	–	0025000639
H 135.31 Flask carrier 500 ml with handle	142 mm	–	0004448400
H 135.301 Flask inlay 100 ml	–	66.3 mm	0025000641
H 135.302 Flask inlay 250 ml	–	88 mm	0025000642

1000 ML FLASK HEATING BLOCK SERIES

H 135.40 Flask carrier 1000 ml without handle	166.3 mm	–	0025000833
H 135.41 Flask carrier 1000 ml with handle	166.3 mm	–	0004448500
H 135.401 Flask inlay 500 ml	–	108 mm	0025000644

2000 ML FLASK HEATING BLOCK SERIES

H 135.50 Flask carrier 2000 ml without handle	194.7 mm	–	0025000834
H 135.51 Flask carrier 2000 ml with handle	194.7 mm	–	0004448600
H 135.501 Flask inlay 1000 ml	–	131.8 mm	0025000645

Product	Dimensions	Ident. No
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IKAFLON® ROUND PTFE-COATED

10 round (5 pcs.)	10 × 6 mm	0004488600
15 round (5 pcs.)	15 × 6 mm	0004488700
20 round (5 pcs.)	20 × 8 mm	0004488800
25 round (5 pcs.)	25 × 8 mm	0004488900
30 round (5 pcs.)	30 × 8 mm	0004489000
40 round (5 pcs.)	40 × 8 mm	0004489100
50 round (5 pcs.)	50 × 8 mm	0004489200
80 round (5 pcs.)	80 × 10 mm	0004489300
110 round (1 pc.)	108 × 27 mm	0000793300
155 round (1 pc.)	153 × 27 mm	0001129000

IKAFLON® ROUND GLASS-COATED

25 round (5 pcs.)	25 × 6 mm	0004492200
40 round (5 pcs.)	40 × 8 mm	0004492600
50 round (5 pcs.)	50 × 8 mm	0004492800

IKAFLON® SLIDE ROUND

25 slide (5 pcs.)	25 × 6 mm	0004493800
30 slide (5 pcs.)	30 × 6 mm	0004494000
40 slide (5 pcs.)	40 × 8 mm	0004494200
50 slide (5 pcs.)	50 × 8 mm	0004494400

IKAFLON® POWER

20 power (5 pcs.)	20 × 6 mm	0004493000
30 power (5 pcs.)	30 × 6 mm	0004493200
50 power (5 pcs.)	50 × 8 mm	0004493400

IKAFLON® ELLIPSE PTFE-COATED

20 ellipse (5 pcs.)	20 × 10 mm	0004494600
25 ellipse (5 pcs.)	25 × 12 mm	0004494800
30 ellipse (5 pcs.)	32 × 16 mm	0004495000
35 ellipse (5 pcs.)	35 × 15 mm	0004495200
40 ellipse (5 pcs.)	40 × 20 mm	0004495400
50 ellipse (5 pcs.)	50 × 20 mm	0004495600
70 ellipse (5 pcs.)	70 × 20 mm	0004496000



IKAFLON® round
PTFE-coated



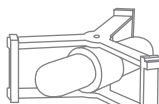
IKAFLON® ellipse
PTFE-coated



IKAFLON® cross
PTFE-coated



IKAFLON® bone
PTFE-coated



IKAFLON® beaker
PTFE-coated



TRIKA® PTFE-coated

Product	Dimensions	Ident. No
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IKAFLON® CROSS PTFE-COATED

10 cross (5 pcs.)	10 × 10 mm	0004496200
20 cross (5 pcs.)	20 × 20 mm	0004496400
25 cross (5 pcs.)	25 × 25 mm	0004496600
30 cross (5 pcs.)	30 × 30 mm	0004496800
38 cross (5 pcs.)	38 × 38 mm	0004497000

IKAFLON® BONE PTFE-COATED

37 bone (5 pcs.)	35 × 8 × 20 mm	0004497200
54 bone (5 pcs.)	55 × 8 × 20 mm	0004497400

IKAFLON® BEAKER PTFE-COATED

74 (1 pc.)	(Ø × H): 74 × 29 mm with 60 × 9	0004497800
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IKAFLON® CROWN PTFE-COATED

9 crown (5 pcs.)	9 × 6 mm	0004498400
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TRIKA® PTFE-COATED

25 Trika (5 pcs.)	25 × 8 mm	0004499300
35 Trika (5 pcs.)	35 × 9 mm	0004499400
55 Trika (5 pcs.)	55 × 14 mm	0004499500
80 Trika (5 pcs.)	80 × 17 mm	0004499600

SET OF MAGNETIC STIRRING BARS

RS 1		0001358600
RS 2		0004499100

STIRRING BAR REMOVER

RSE	Stirring bar remover	0001293100
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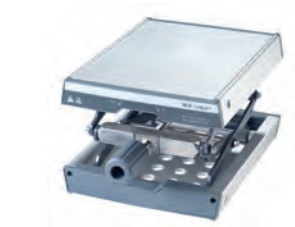
WiCo RET control-visc



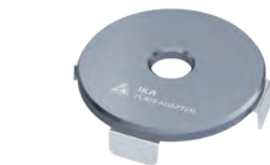
Cover RET control-visc



IB R RO 15 eco



LABLIFT m



IKA Plate Adapter



Product	Description	Ident. No.
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WIRELESS-CONTROLLED OPERATING UNIT

WiCo RET control-visc	Wireless remote control	0020007259
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COVERS

H 102	Cover for RH basic	0004281600
H 103	Cover for RH digital	0004299100
H 100	Cover for RET basic	0003661000
H 104	Cover for RET control-visc	0004209500
H 105	Cover for RCT basic and digital	0025008136

MAINS CABLES

H 11	Mains cable Euro plug	0001091500
H 11	Mains cable USA plug	0003564500
H 11	Mains cable UK plug	0002410700
H 11	Mains cable CH plug	0001091600
H 11	Mains cable IN plug	0003923600

PLASTIC BATH FOR MAGNETIC STIRRER RO 15

IB R RO 15 eco	Plastic bath, size L, 25 l volume	0020006341
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LABLIFT

LABLIFT m	Up to 25 kg (max. static load)	0004022400
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IKA PLATE ADAPTER

IKA Plate Adapter	Heating block adapter for RCT 5 digital, C-MAG 7 and 10	0025001022
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BEAKER CAP

BC 1000	Beaker cap	0020003417
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LABORATORY SOFTWARE
labworldsoft® 6 Starter

Ident. No. 0020019397

labworldsoft® 6 Pro

Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.



H 3000



HG 600



H 16.3



H 44



I-MAG cart



I-MAG SP 300

Product	Description	Ident. No.
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OIL BATH ATTACHMENTS

H 29	Oil bath attachment, 1 l	0002829400
H 30	Oil bath attachment, 1.5 l	0002829500

BEAKERS, STAINLESS STEEL

H 1000	Beaker, stainless steel, 1 l	0004444401
H 1500	Beaker, stainless steel, 1.5 l	0004444501
H 3000	Beaker, stainless steel, 3 l	0004444503
H 5000	Beaker, stainless steel, 5 l	0004444505

HEATING JACKETS

HG 600	Heating jacket for beaker 600 ml	0020003416
HG 1000	Heating jacket for beaker 1000 ml	0020003415

HOLDERS

H 16 V	Support rod	0001545100
H 16.3	Extension for support rod	0025000622
H 44	Boss head clamp	0002437700
H 38	Holding rod	0003547700

ACCESSORIES FOR I-MAG

IKAFLON 90 slide	Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 90 x 30 mm, 1 pc.	0020102963
IKAFLON 140 slide	Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 140 x 30 mm, 1 pc.	0020110382
IKAFLON 118 float	Magnetic stirring drive, PPS round, Ø 118 mm, 1 pc.	0020100638
RSE XL	Stirring bar remover for I-MAG	0020100641
I-MAG SP 150	Platform extension for I-MAG, for barrels up to 150 liters	0020102994
I-MAG SP 300	Platform extension for I-MAG, for barrels up to 300 liters	0020102996
I-MAG cart	Transport trolley and platform for I-MAG, for barrels up to 300 liters	0025008091
I-MAG BR	Bracket for stand rod I-MAG	0020110383
I-MAG UHC	Universal holder for I-MAG controller	0020110381
I-MAG EXT 3	Extension cable for I-MAG, 3 m	0020115558
H 28 V	Support rod for I-MAG	0020119439



designed for scientists

Everything for your Lab

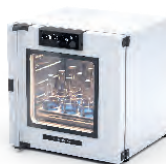
IKA is your reliable partner in laboratory, analysis and process technology. When it comes to applications in the areas of stirring, mixing, tempering, distilling or grinding, market leaders rely on our proven products and technology. We are continually working to further develop our portfolio according to the needs of our customers. Building on this, we network our products and services to create holistic, application-oriented solutions and enable our customers to achieve the best possible results and step into the digital age.



BIOREACTORS



MIXING



HEATING / COOLING /
TEMPERING



LIQUID HANDLING



MEASURING VISCOSITY



VACUUM TECHNOLOGY



CRUSHING



LABORATORY SOFTWARE



SEPARATION



ELECTROCHEMISTRY
FLOW CHEMISTRY



REACTOR SYSTEMS



CALORIMETRY