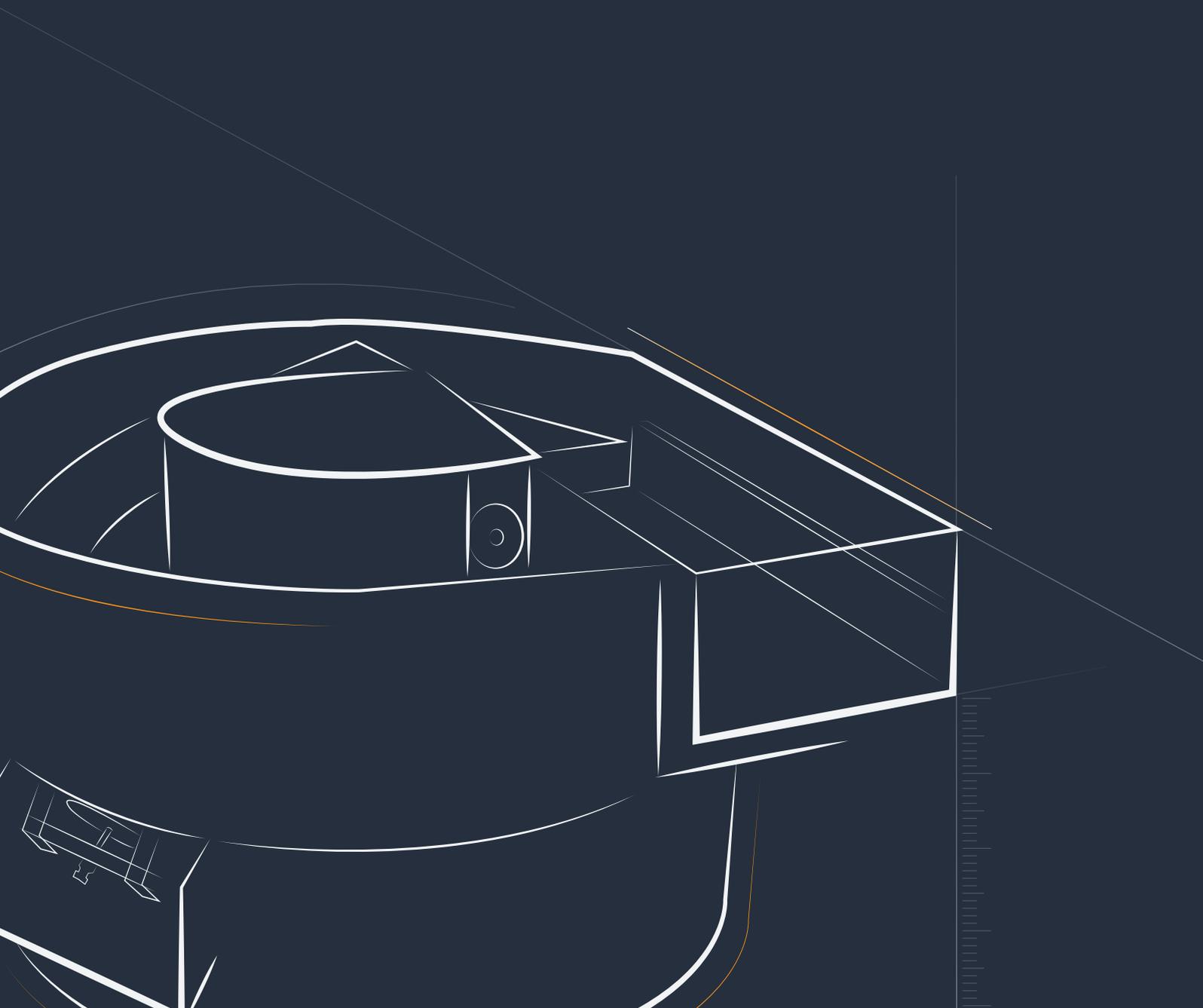


# Dryers

For all component sizes and quantities

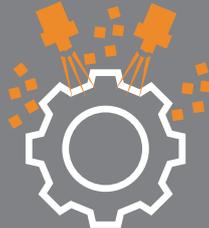


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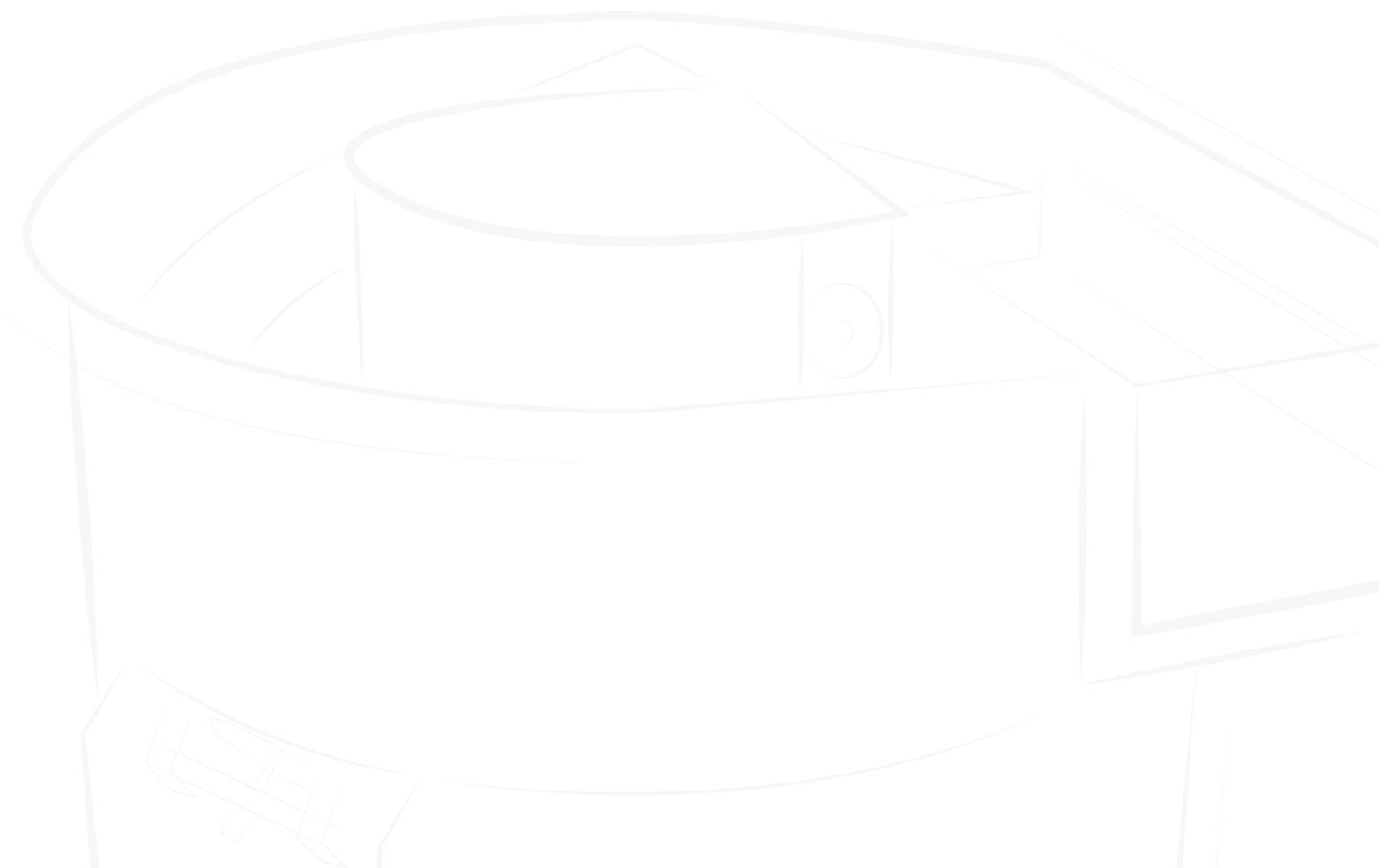
Our technical service –  
**round-the-clock support**



**Transfer of professional knowledge**  
by certified trainers

## Overview

Rotary dryer RT ... Euro-DH	4 - 5
Belt dryer R ... BT	6 - 7
Drum dryer R ... TT	8 - 9
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### Applications

Cams/tappets

Rivets

Socket & pin wrench

Misc. stampings (e.g. slats)

Pump housings

Pliers

Castings

Screw driver

Cutlery

and many more

## Rotary dryer RT ... Euro-DH

Energy savings up to 40 %\*

This range of machines is normally used for drying components after the vibratory finishing process (although suitable for drying components after any wet process). The rotary dryer is filled with drying media (Supervelat), the wet components are loaded into the machine continuously, or in batch via a loading chute, the wet components travel automatically through the pre-heated drying media around the process chamber and are then separated on a polyurethane coated separation screen.

In addition to the stain free drying, additional polishing of the components will take place resulting in high quality finished components.

The **heat block heating system** is **directly attached** to the base plate of the processing bowl. This results in a **highly energy-efficient drying operation**.

\* Compared to previous dryer models



## Special

1

### Energy saving

- ▶ Heat block elements guarantee a high efficiency
- ▶ Permanently monitored and thermostat controlled temperature of the drying medium
- ▶ Minimization of heat losses through direct heat dissipation

2

### Automatic separation

of components and drying agent using pneumatically operated separation flap, which is available as an optional extra.

3

### Complete component discharge

The optional special separation flap control prevents components from becoming jammed when closing the separation flap, thus helping to ensure complete discharge of the components.

## Specifications Rotary dryer RT ... Euro-DH

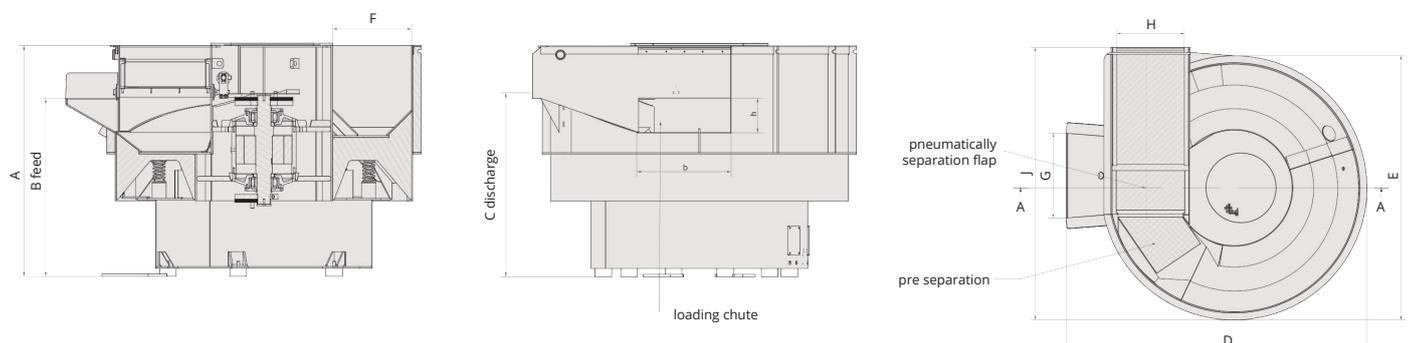
Types	RT 150 Euro-DH	RT 250 Euro-DH	RT 550 Euro-DH	RT 850 Euro-DH	RT 1500 Euro*4
<b>Standard dimensions</b>					
A – (mm) *3	985	1,035	1,220	1,310	1,360
B – Feed height (mm) *3	860	860	940	985	1,100
C – Discharge height (mm) *3	830	845	985	1,000	1,065
D – (mm)	1,240	1,380	1,770	2,150	2,500
E – (mm)	1,080	1,220	1,620	1,900	2,250
F – (mm)	246	304	410	477	650
G – (mm)	450	600	610	610	760
H – Width of separation sieve (mm)	250	325	430	485	670
J – (mm)	1,180	1,280	1,695	1,965	2,335
Loading chute (b)	350	530	650	560	560
Loading chute (h)	100	130	150	185	220
<b>Maximum components dimension (diagonal measurement) (l)</b>	up to 80	up to 135	up to 290	up to 450	up to 750
<b>Drive speed (Upm)</b>	1,500	1,500	1,500	1,500	1,500
<b>Motor power (kW)</b>	0.75	0.75	3	7.5	12
<b>Heater power (kW)</b>	1/2 *2	1,75/3,5 *2	2,1/4,2 *2	5/10 *1	36 *2

\*1 adjustable in two stages (optionally thermostat-controlled)

\*2 thermostat-controlled

\*3 height adapted to relevant rotary vibrators. Height can be reduced on request

\*4 not available in DH version



Dryers – For all component sizes and quantities

## Belt dryer R ... BT

Hot air drying for components with holes, in which drying agent would become lodged

This range of machine is normally used for large and small components that are sensitive to damage. Heavy components or components that have many different sizes of holes are especially suited to this type of machine. The drying is by means of hot air which is thermostatically controlled and recirculated in a drying chamber. A stainless steel woven wire

mesh belt transports the components through the drying chamber. In order to optimise the heat specially shaped nozzles direct the hot air onto the components. The input and output belt lengths and tunnel dimensions can be easily adapted to meet special requirements.



Dryer with up to 75 kW heating output, flow of air circulation of up to 9,000 m<sup>3</sup> per hour and temperatures of up to 150°C.

## Special

1

### High output

as a result of up to three large-volume hot air circulation fans and variable conveyor belt speed.

2

### User-friendly working

as a result of generously sized inlet and outlet areas with component buffer function and low noise level.

3

### Energy saving

by thermostatically controlled, independently adjustable radiators and drying tunnel insulation.

4

### Washing system available for connection upstream,

with or without cold air fan for blowing out residual water from spoon-shaped parts before they enter the drying tunnel.

## Specifications Belt dryer R ... BT

Types	R 1000.1 BT	R 2000.1 BT	R 2000.2 BT	R 3000.3 BT
<b>Standard dimensions</b>				
A - Belt length (mm)	2,265	3,765	3,765	4,765
A - length of drying tunnel (mm)	1,000	2,000	2,000	3,000
B - (mm)	1,000	1,000	1,000	1,000
C - (mm)	1,325	1,325	1,325	1,325
D - (mm)	600	600	600 * <sup>1</sup>	600 * <sup>1</sup>
E - (mm)	820	820	820	820
F - (mm)	500	500	500	500
G - (mm)	500	1,000	1,000	1,000
H - (mm)	500	500	500	500
J - (mm)	725	725	725	725
K - (standard) (mm)	200	250	300	300
L - (mm)	1,200	1,200	1,200	1,200
Adjustable heat output (kW)	22.5	22.5	22.5 - 45	22.5 - 67.5
Total connected load (kW)	25.5	25.5	51	77
Rate of air circulation up to (m <sup>3</sup> /h)	3,000	3,000	6,000	9,000

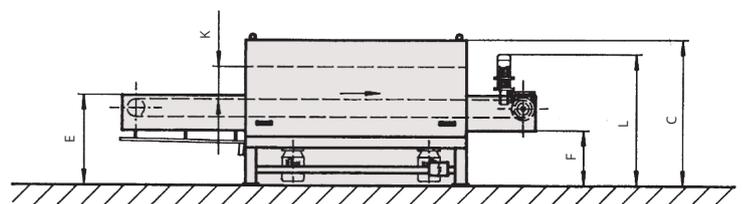
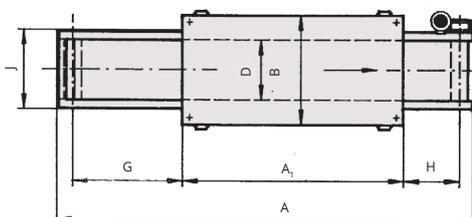
\*<sup>1</sup> Also available on request with 700 mm and 800 mm belt width

### conveyor belt material:

optional stainless steel, normal steel

### belt speed:

standard 1 - 3 m/min,  
optionally up to 6 m/min

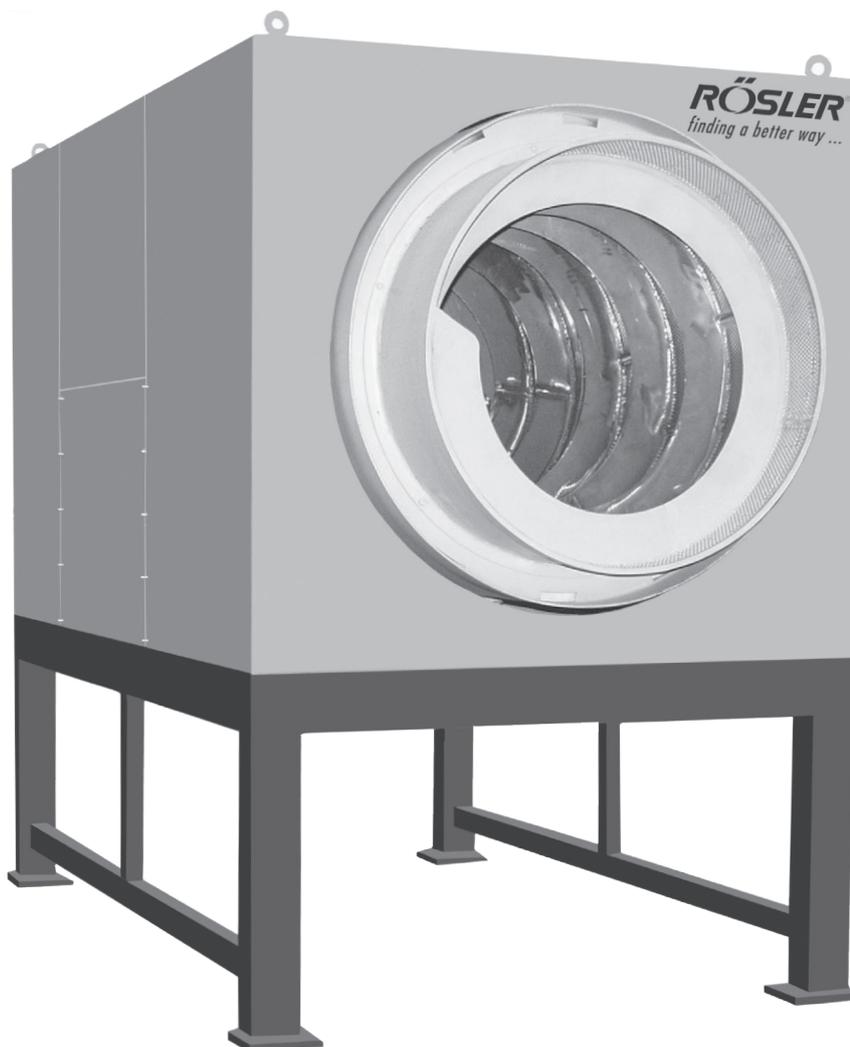


## Drum dryer R ... TT

Drying and polishing of cup-shaped or flat components with drying agent to give immaculate, shiny surfaces

This range of machines is normally used for drying large, mass produced components, the rotary scroll is filled with drying media (Supervelat), the components are loaded into the entry point of the machine, either continuously or in batches. In the drying section of the scroll the components are permanently covered by the drying media, the drying media (Supervelat) is heated via a heating system at the base of the machine, this ensures complete

evaporation of any liquids and maintains the optimum condition of the drying media. Special tumbling profiles are strategically fixed to the inside of the scroll ensuring the continuous transport of components through the drying section to the separation section. At the separation section the components are automatically discharged from the machine, while the Supervelat is returned and re-used in the drying section.



High performance machine for drying and polishing cup-shaped or flat components which would drag out drying agent or cover the separation sieve in rotary dryers.

## Special

1

### Large drum dimensions

and large volume to accommodate large component batches produce high output.

2

### Constant turning

of the components in the large volume dryer drum ensures rapid drying.

3

### Energy-saving

as a result of the highly efficient way heat is transferred from the easily accessible, thermostatically controlled heating elements to the workpieces and the drying agent. Drumhousing completely isolated.

4

### Drying times

can be varied by easily adjustable control wheel. Drumspeed control possible.

5

### Automatic separation

of components and drying agent by large, integral, replaceable sieve drum with automatic drying agent return.

6

### Easy change drying media

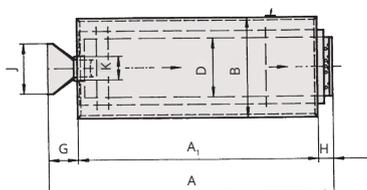
by reversing drum rotation.

## Specifications Drum dryer R ... TT

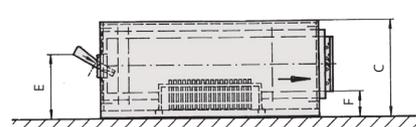
Standard types	R 2002 TT	R 3002 TT	R 5000 TT
<b>External dimensions</b>			
A - Belt length (mm)	2,900	3,890	3,630
A <sub>1</sub> - length of drying tunnel (mm)	2,200	3,190	2,880
B - (mm)	1,340	1,360	1,600
C - (mm)	1,415	1,415	1,735
D - (mm)	1,006	1,006	1,280
E * <sup>1</sup> - (mm)	1,080	1,080	1,110
F * <sup>1</sup> - (mm)	380	380	380
G - (mm)	400	400	400
H - (mm)	300	300	370
J - (mm)	690	690	690
<b>Dimensions of the drying drum</b>			
Overall length (mm)	2,272	3,270	2,520
External diameter (mm)	1,006	1,006	1,280
Length of drying compartment (mm)	1,300	2,260	1,530
Diameter of drying compartment (mm)	795	795	1,077
Volume of drying compartment (l)	655	1,160	1,510
K - Diameter of filling aperture (mm)	320	320	450
Length of sieve drum (mm)	1,120	1,130	1,000
Diameter of sieve drum (mm)	800	800	1,105
Sieve drum perforation, standard (mm)	5	5	5
Heating power (kW)	13.5	27	27
Drum speed * <sup>2</sup> (Upm)	4.0	4.0	4.0

\*<sup>1</sup> measurements can be adapted to customer's wishes

\*<sup>2</sup> optional, infinitely variable speed



standard sieve basket perforation  
5 mm or to suit customer's needs



adjustable metering disc

Dryers – For all component sizes and quantities

## Centrifugal dryers R ... HTZ

The Rösler series HTZ centrifuges are ideal for stain-free drying of small parts, whilst preventing components from becoming tangled together



Series R 400 HTZ

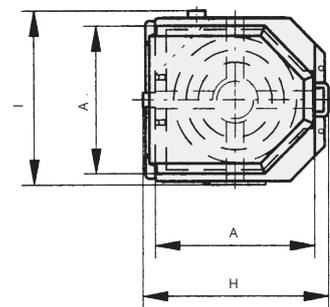
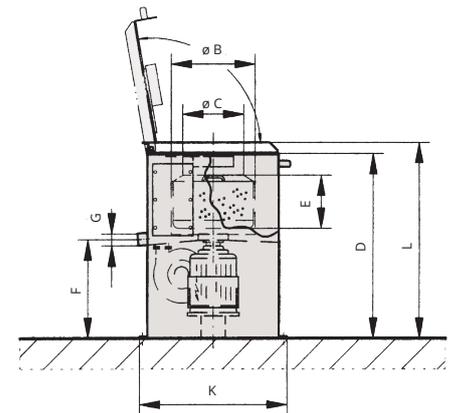
### Accessories

The scope of application of our centrifuges can be extended by accessories. The following accessories are available for all types:

- ▶ heater fan
- ▶ infinitely variable speed control for the centrifuge basket
- ▶ lifting device with power lift for the centrifuge basket
- ▶ additional facilities for washing, coating or oil-removal processes

## Specifications Centrifugal dryers R ... HTZ

Types	R 400 HTZ	R 600 HTZ
Diameter of cylindrical * <sup>1</sup> centrifuge basket Ø (mm)	400	600
Thickness of basket wall (mm)	3	4
Diameter of basket perforation Ø (mm) Special perforation is possible	3	4
Max. batch loading (kg)	50	100
Max. batches per hour	12-14	10-12
Speed, rpm * <sup>2</sup>	960	690
Heating power (kW) * <sup>3</sup>	4	4
Voltage Special voltage is possible	230/400	230/400
Motor (kW)	1.5	3.0
Hot air fan (kW)	0.06	0.06



Dimensions		
□ A - (mm)	650	900
Ø B - (mm)	400	600
Ø C - (mm)	300	500
D - (mm)	990	1,190
E - (mm)	260	410
F - (mm)	570	570
G	R 2"	R 2"
H - (mm)	740	990
I - (mm)	730	980
K - (mm)	730	980
L - (mm)	1,045	1,245

\*<sup>1</sup> standard galvanised normal steel, stainless steel available

\*<sup>2</sup> special speeds and infinitely variable, speed control available

\*<sup>3</sup> special heating power available

## Modern, environmentally friendly, cost-saving drying process

### Stainless drying – with or without mirror finish

Demands for high quality are increasingly calling for dry components as a requirement for uninterrupted production. Increased customer demands with respect to stain-free and highly polished final products also have to be met.

We can offer you the right solution to your problems:

- ▶ high gloss drying with drying agent
- ▶ normal drying with drying agent
- ▶ normal drying with hot or cold air



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#### Germany

**Rösler Oberflächentechnik GmbH**  
Werk Memmelsdorf  
Vorstadt 1  
D-96190 Untermmerzbach  
Tel.: +49 9533 / 924-0  
Fax: +49 9533 / 924-300  
[info@rosler.com](mailto:info@rosler.com)

**Rösler Oberflächentechnik GmbH**  
Werk Hausen  
Hausen 1  
D-96231 Bad Staffelstein  
Tel.: +49 9533 / 924-0  
Fax: +49 9533 / 924-300  
[info@rosler.com](mailto:info@rosler.com)

#### USA

**Rösler Metal Finishing USA, L.L.C.**  
1551 Denso Road  
USA-Battle Creek  
MI 49037  
Tel.: +1 269 / 4413000  
Fax: +1 269 / 4413001  
[rosler-us@rosler.com](mailto:rosler-us@rosler.com)

#### France

**Rösler France**  
Z.I. de la Fontaine d'Azon  
CS 50513 - St. Clément  
F-89105 Sens Cedex  
Tel.: +33 3 / 86647979  
Fax: +33 3 / 86655194  
[rosler-fr@rosler.com](mailto:rosler-fr@rosler.com)

#### Italy

**Rösler Italiana S.r.l.**  
Via Elio Vittorini 10/12  
I-20863 Concorezzo (MB)  
Tel.: +39 039 / 611521  
Fax: +39 039 / 6115232  
[rosler-it@rosler.com](mailto:rosler-it@rosler.com)

#### Switzerland

**Rösler Schweiz AG**  
Staffelbachstraße 189  
Postfach 81  
CH-5054 Kirchleerau  
Tel.: +41 62 / 7385500  
Fax: +41 62 / 7385580  
[rosler-ch@rosler.com](mailto:rosler-ch@rosler.com)

#### Spain

**Rösler International GmbH & Co. KG**  
Sucursal en España  
Polg. Ind. Cova Solera C/Roma, 7  
E-08191 Rubí (Barcelona)  
Tel.: +34 93 / 5885585  
Fax: +34 93 / 5883209  
[rosler-es@rosler.com](mailto:rosler-es@rosler.com)

#### Netherlands

**Rösler Benelux B.V.**  
Reggestraat 18  
NL-5347 JG Oss  
Postbus 829  
NL-5340 AV Oss  
Tel.: +31 412 / 646600  
Fax: +31 412 / 646046  
[rosler-nl@rosler.com](mailto:rosler-nl@rosler.com)

#### Belgium

**Rösler Benelux B.V.**  
Avenue de Ramelot 6  
Zoning Industriel  
B-1480 Tubize (Saintes)  
Tel.: +32 2 / 3610200  
Fax: +32 2 / 3612831  
[rosler-be@rosler.com](mailto:rosler-be@rosler.com)

#### Austria

**Rösler Oberflächentechnik GmbH**  
Hetmanekgasse 15  
A-1230 Wien  
Tel.: +43 1 / 6985180-0  
Fax: +43 1 / 6985182  
[rosler-at@rosler.com](mailto:rosler-at@rosler.com)

#### Romania

**Rösler Romania SRL**  
Str. Avram Iancu 39-43  
RO-075100 Otopeni/ILFOV  
Tel.: +40 21 / 352 4416  
Fax: +40 21 / 352 4935  
[rosler-ro@rosler.com](mailto:rosler-ro@rosler.com)

#### Russia

**Rösler Russland**  
Borovaya Str. 7, bldg. 4, office 107  
111020 Moscow  
Tel. / Fax: +7 495 / 247 55 80  
[rosler-ru@rosler.com](mailto:rosler-ru@rosler.com)

#### Great Britain

**Rösler UK Ltd.**  
Unity Grove, School Lane  
Knowsley Business Park  
GB-Prescot, Merseyside L34 9GT  
Tel.: +44 151 / 4820444  
Fax: +44 151 / 4824400  
[rosler-uk@rosler.com](mailto:rosler-uk@rosler.com)

#### Brazil

**Rösler Otec do Brasil LTDA**  
Av. Antonio Angelo Amadio, 1421  
Centro Empresarial Castelo Branco  
18550-000 Boituva  
São Paulo - Brasil  
Tel.: +55 15 / 3264-1117  
Tel.: +55 15 / 3264-1112  
[info@rosler-otec.com.br](mailto:info@rosler-otec.com.br)

#### China

**Rosler SURFACE-TECH (BEIJING) CO., LTD.**  
Beijing Office  
Fu Hua Mansion, Office A-11-K  
No. 8, Chao Yang Men North Avenue  
Beijing 100027, P.R. China  
Tel.: +86 10 / 6554 73 86  
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