

# GEBR. RUBERG

Maschinenfabrik

MULTI-PURPOSE  
HANDLING AND  
EXCELLENT  
MIXING QUALITIES



**RUBERG** *Container Batch Mixer*  
*CCM line*

# RUBERG Container Batch Mixer

## CCM-U line

We have taken up customer requirements for reduced plant engineering with simple logistics for the handling of existing containers, and have developed the **CCM-U** and **CCM-O** series of the **RUBERG Container Batch Mixer**.

### Operating Method:

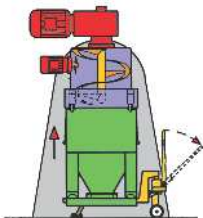
The products are commissioned in containers that are usual in trade or in special containers of up to approx. 2.000 litres (GMP-conform). The containers are integrated into the mixing process by docking to the slewable mixing chamber. A distinction is made between containers that are joined to the chamber from above (**CCM-O**) and containers that are joined from below (**CCM-U**). The mixing principle in all its variations is the same as that of the **RUBERG Precision Batch Mixers**.

### Design Variants:

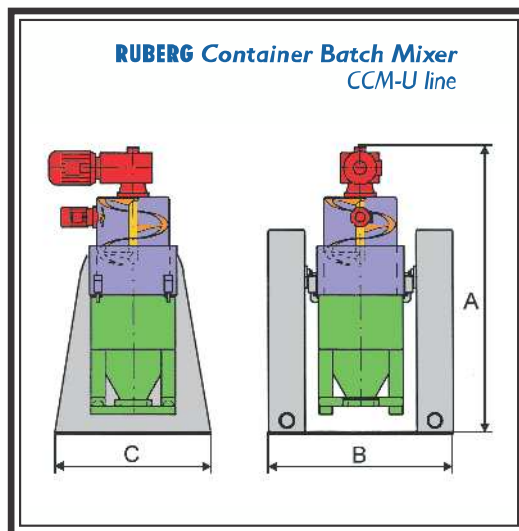
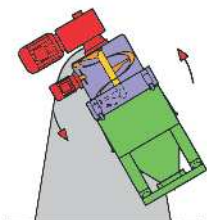
Containers with inlet or discharge cones and containers that can be completely opened at the top are suited for operation with the **CCM-U series**. The whole unit, with the container linked up at the underside, swivels into the working position and the product is completely discharged into the mixing chamber. The closed system prevents any emission of the product. Aspiration and filter systems can be dispensed with. The slow-running mixer, with gentle action on the product, produces a completely homogenous mix in a very short time. After that the unit returns to its initial position. The turning mixing tool supports the complete emptying of the product which is re-fed into the container. The container is then uncoupled and released for further use.

Working steps of a  
**RUBERG Container Batch Mixer**  
docked below

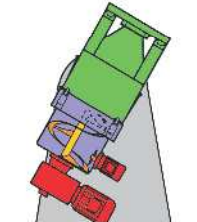
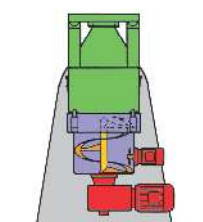
Container is docked



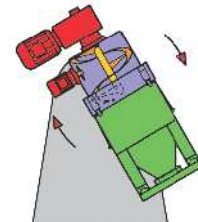
Swivel container  
and fill mixing chamber



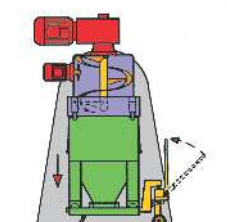
Variable mixing positions



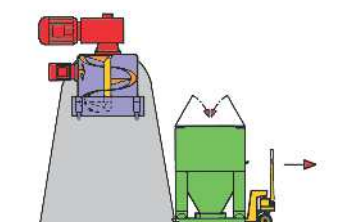
Swivel mixing chamber  
back and fill container



Uncouple  
container



Remove  
container



**Type CCM-U 1000**

Stainless steel 1.4571.

With cutting rotor, IS system, heated liquid lances,  
CIP cleaning and container in docking position.

Effective volume in litres	Typ	A	B	C
50	CCM-U 50	1600	800	1200
100	CCM-U 100	2400	2030	1400
200	CCM-U 200	2600	2030	1400
250	CCM-U 250	2800	2030	1400
300	CCM-U 300	2900	2030	1400
500	CCM-U 500	3100	2230	1500
650	CCM-U 650	3100	2230	1500
800	CCM-U 800	3550	2430	1500
1000	CCM-U 1000	3550	2430	1500
1300	CCM-U 1300	4300	3000	1800
1600	CCM-U 1600	4300	3000	1800
2000	CCM-U 2000	4900	3000	2000

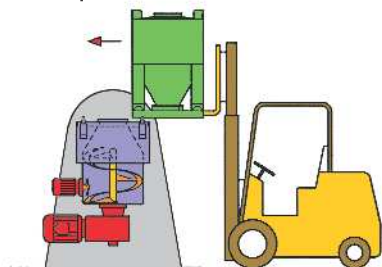
**RUBERG Container Batch Mixers** can be supplied in any size and can be adapted to the individual conditions in the buildings concerned.

# RUBERG Container Batch Mixer

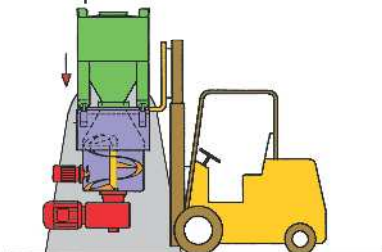
## CCM-O line

Working steps of a  
**RUBERG Container Batch Mixer**  
docked above

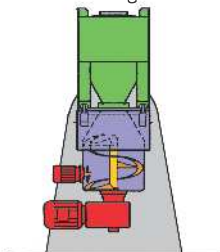
Drive up container



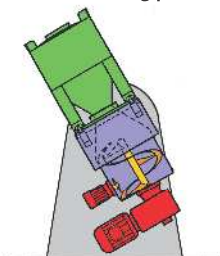
Put on container  
and couple



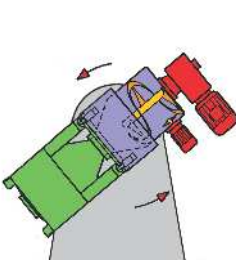
Open container  
and fill mixing chamber



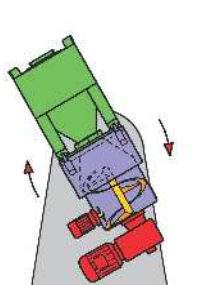
Variable mixing position



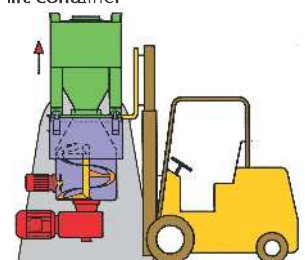
Swivel container, fill and  
close



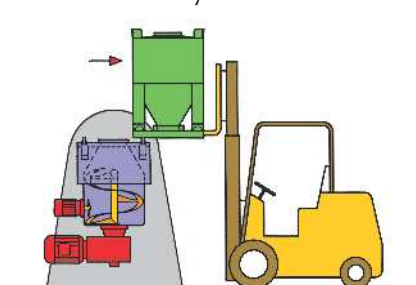
Swivel container back



Uncouple and  
lift container



Drive away container



Containers for discharge at the bottom only are suited for utilization in conjunction with the **CCM-O series**.

They are placed on the mixing chamber by means of a fork lift truck or hoist and are then docked. The outlet is opened and the product discharged into the mixing chamber, free of emissions.

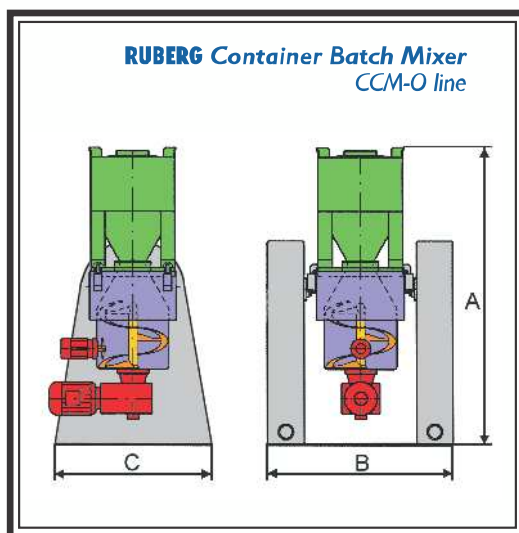
When the mixing process is completed, the whole unit swivels down and the product is discharged back into the container. The running mixer facilitates the complete discharge of the product from the mixing chamber. The container is then closed, is swivelled back into the starting position, is uncoupled and can be used for other purposes.

It is possible to dock containers of different diameters by simply exchanging the adapters. Suitable adapters for special containers and customer-specific systems are available. The batch volume can range between 10% and 100% of the mixing chamber's volumes without any effect on the quality of the mix.

Agglomerates can be broken up and divers of fluids can be added with the aid of cutting rotors. The versions made of high-quality stainless or special steels permit the application of the **RUBERG Container Batch Mixer** for all product categories.

The cleaning of the mixing chamber can be effected according to CIP or SIP or manually by swivelling it into the horizontal position and then washing it out.

Alternatively, containers with cleaning medium can be docked to the mixing chamber and the cleaning process can be effected by running normal mixing cycles.

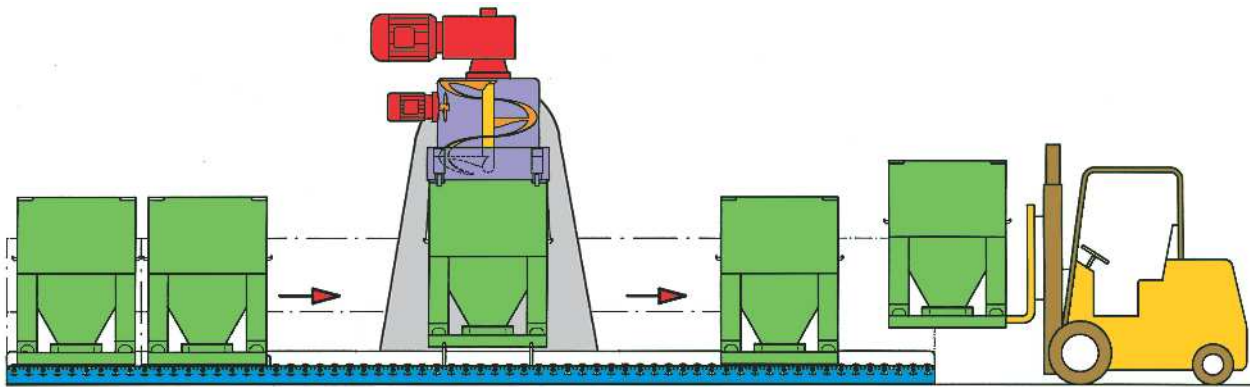


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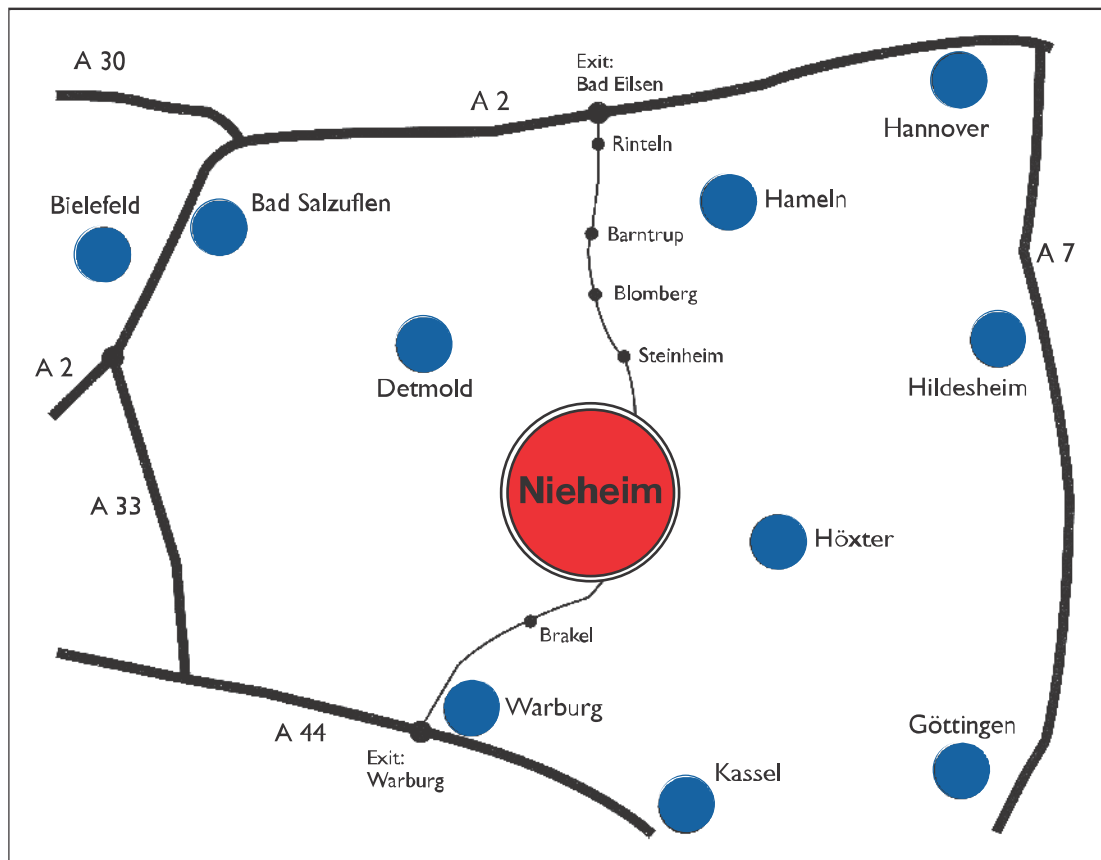
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## Automatized **RUBERG** Container Mixing Station

Container size 50 litres to 2.000 litres



As a factory for machinery, the company Gebr. Ruberg GmbH & Co. KG was founded as a family concern in 1848. From the then production of primarily wind- and watermills there arose through the decades a modern machinery production facility. Our machines are used for chemicals, foodstuffs, pharmaceuticals, construction and plastic materials and our production programme extends over the complete planning, production, and installation of complete plants and individual machines. A specialized staff of about fifty members have made innovation and progress our business. The tests and trials conducted in our testing centre allows us to develop systems and machines to the most advanced level of technology and standards.



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**Maschinenfabrik**

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