

DG

Dual Roller Crusher (Dry Granulator)

The stainless steel DG-Dual Roller Crusher (Dry Granulator), with its helical twin shaft arrangement is used for preparation of granules starting from slugs, tablets and pellets. Through its unique design, it offers an optimal crushing/granulation performance and relatively low powder content.



DG attached directly to UAM

Operation Mode

For crushing and granulation, two massive helically threaded stainless steel rollers generate a high pressure through their outward rotation toward the side chicks. The spiral grooves on the rollers create a powerful feed mechanism, which forces the material towards the breaking combs at the side chicks. The DG Dual Roller Crusher (Dry Granulator) can be directly attached to the UAM Universal Motor Drive, which provides a flexible, stepless speed tuning.



Advantages

- » Versatile application for crushing & granulating
- » Low fines, used for a wide range of solids
- » Corrosion resistant, medical & food grade contact parts

Features

- » Powerful & compact
- » Good particle size distribution
- » GMP compliant

Standard Scope of Supply

The DG (part. no. 40-01360) comes with the following standard scope of supply:

- » Protective Grid

Application Specifications

Parameter	Specification
Operation principle	<ul style="list-style-type: none"> » Outward granulation through breaking combs » Inward crushing for big objects
Process range	Dry crushing granulation of solids
Feed characteristics	Pellets, slugs, tabs, tablets
Range of applications	Pharmaceutical, herbal & alternative medicine, chemicals & fine chemicals, food, agriculture, cement & ceramics, cosmetics and detergents, paints & dies

Technical Specifications

Parameter	Specification
Production output	Up to 20 kg/h Depends on feed properties, instrument and process parameters
Roller speed	50 – 450 rpm
Safety guard	Protective grid
Instrument dimensions	Approx. 250 x 200 x 350 mm (width x depth x height)
Packaging dimensions	Approx. 410 x 410 x 410 mm (width x depth x height)
Net / Gross weight	Approx. 14 / 17 kg

We reserve the right to make technical changes without any prior notice.