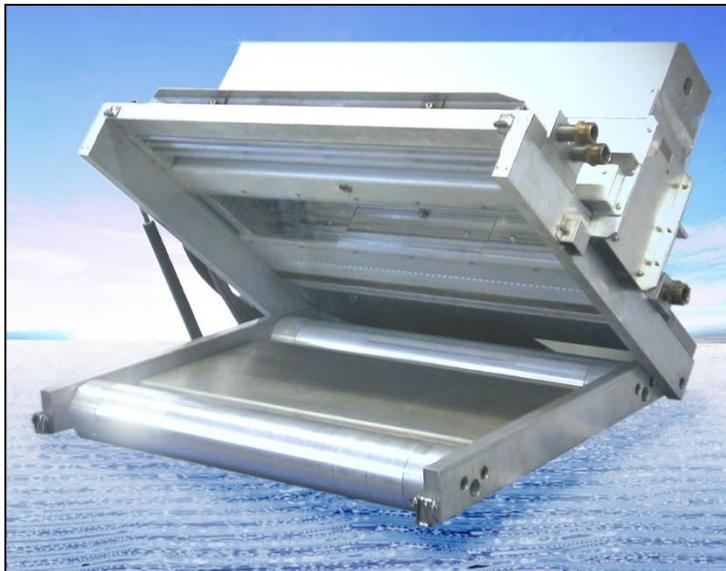


Chinese mobile inerted UV unit

Test Facility

Degussa Goldschmidt has always been known for providing excellent technical service to their customers and potential customers. In this tradition, the global testing facilities have now been supplemented by a mobile inerted UV unit for the Chinese market.



Based on the proven inerted module design, the equipment can be integrated into the customer's coating line instead of (or in addition to) thermal drying and other curing devices. Also retrofitting of existing coating and printing machines is easily possible. A detailed sectional drawing is available on request.

Designed for mobile use, the equipment can be tested on site. The UV unit requires only limited space for transportation, e. g. a normal car.

Test Facility	
Working width	max. 580 mm
Line speed	max. 150 m/min.
UV power	80 W/cm

Module Dimensions	
Length (in web direction)	570 mm
Width (overall)	800 mm
Height (closed)	400 mm
Height (open)	560 mm

Electrical supply	
Inlet voltage	3 x 400 V, 50/60 Hz
Mains terminals	CEE-plug 32 A
Input fuses (customer)	25 A

Also included are 4 cables of 10 m each for socket to electrical cabinet, electrical cabinet to UV unit, electrical cabinet to heat exchanger and from electrical cabinet to exhaust fan.

Cooling water	
A separate water supply is not necessary. The unit has its own water circulation with an air cooled heat exchanger.	

Nitrogen supply	
Nitrogen quality	4.6 (i. e. oxygen content less than 5 ppm)
Consumption (depending on trial conditions)	approx. 50 m ³ /h

Air exhaust	
Diameter of outlet hose	100 mm
Cooling air (ozone-free)	660 m ³ /h

The complete UV system consists of	
1 mobile inerted UV unit	1 air cooled heat exchanger (500 x 500 x 500 mm)
1 nitrogen distributor (400 x 750 x 100 mm)	1 cooling fan with ozone filter for lamp and quartz glass cooling (500 x 500 x 400 mm)
1 electrical cabinet (600 x 600 x 250 mm)	2 water hoses of 13 m each for shutter and cooling plate

For more details about the UV unit and technical information about Goldschmidt TEGO® RC Silicones, please contact:

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Essen, July 2007, Version 07-2007

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 (Status: April 2012)

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