

### SOMOS® RDM dryers – outstanding quality and efficiency.



#### Modular versatility

Mobile and flexible, the SOMOS® RDM series dryers reliably dry the most varied hygroscopic, readily flowable materials ranging from polymer pellets to regrinds.

The unique dry air conveying system means processing machinery can be directly supplied with dried pellets. Optimum air distribution in the material being dried ensures uniform drying results.

The new PLC controller with its 6" touchscreen display ensures not only user-friendly operation but also Industry 4.0 capability.

#### System design with a focus on efficiency

- **Integrated energy saving: Super-SOMOS® and ALAV**  
Automatic optimization of regeneration frequency, combined with adaptive control of energy input, maximizes savings of both energy and operating costs.
- **Industry 4.0 capable**  
Remote monitoring of the process enhances process reliability, ensuring reproducible processing and results.
- **Optimized process control and monitoring**  
The newly designed system controller ensures reliable process control. The integral 6" touchscreen display and viewing window in the drying bin provide information about the process at all times. Malfunctions are indicated by alarms.
- **Durable and robust SOMOS® quality**  
A new design with the same tried and tested quality means ease of installation and commissioning and a long service life. ProTec's after sales team is there for you when servicing is required.
- **Comprehensive product range**  
Five sizes with bins ranging from 50 to 400 liters allow material throughputs of up to 260 kg/h.\*
- **Numerous upgrades**  
A wide range of option packages tailors the functions of the standard dryers to requirements.
- **Built-in protection**  
Visual and acoustic alarms protect the feedstock from overdrying damage.

\* depending on material, see throughput table



Above left: RDM-140 mobile dryer  
Above right: 6" touchscreen display  
Right: RDM-70 mobile dryer with dry air conveying

## SOMOS® RDM dryers: catering for every niche.

RDM throughputs (mean values, excluding polyolefins)*						
Size	T/TF 10/30	RDM 20/50	RDM 40/100	RDM 70/200	RDM 100/300	RDM 140/400
Mean values [kg/h]	5	10	20	40	55	75
RDM throughputs (mean values for polyolefins PE, PP, PS, PVC)*						
Size	T/TF 10/30	RDM 20/50	RDM 40/100	RDM 70/200	RDM 100/300	RDM 140/400
Mean values [kg/h]	20	30	65	130	200	250

\* Size: 1<sup>st</sup> digit: drying air volume [m<sup>3</sup>/h], 2<sup>nd</sup> digit: bin size [liters]; rounded mean values.

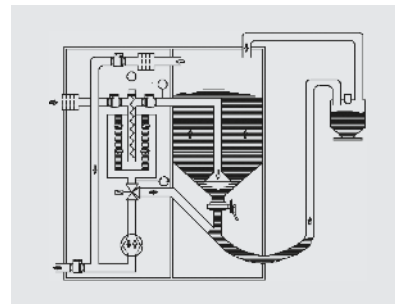
## SOMOS® RDM dryers: the smart solution for your application.

Every RDM dryer has an insulated stainless steel drying bin and can be upgraded with option packages and accessories. As a result, we can flexibly meet requirements ranging from an ultra-fine feed air filter for optimizing process air quality to a customized paint finish.

### Upgrades

- **Dry air conveying**  
Dried material conveyed directly to the processing machinery. Advantage: No contamination of dried material with ambient air and conveyor for filling the machine no longer required.
- **Low-temperature drying (40 – 60°C)**  
Can be adapted for use with any materials having low drying temperatures.
- **High-temperature drying (< 180°C)**  
Can be adapted for use with any materials having high drying temperatures.
- **Ultra-fine feed air filter**  
Optimum drying results thanks to ultra-pure process air.
- **Condensate separator**  
Optimum drying results for critical/contaminated polymers.

- **Dew point meter**  
Optimum drying results thanks to optimum process control
- **Air conditioning for control cabinet**  
Reliable operation even under difficult ambient conditions.
- **Special voltages**  
Add-on packages mean the dryers can be connected to different supply voltages.
- **Custom color**  
ProTec can supply the dryers in custom colors.



Left: RDM system diagram with "dry air conveying" upgrade



Right: SOMOS® single chamber desiccant bed for optimizing desiccant utilization with cost benefits thanks to rapid and energy-efficient desiccant regeneration.

Are you interested in receiving additional information?  
Then feel free to call us.

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