



**Compact solutions
for dryers and conveyors**





Single-chamber, Dry-air (dessicant) driers



GTT 101

Machine-side driers – GTT Series

Series **GTT** units are compact, moveable, single-chamber, dessicant driers with an effective volume of 60 – 800 litres. Feeding and emptying take place manually or fully automatically (via *Gecco* conveyors). Up to 4 machines can be connected to a single dryer (GTT 201 E upwards). Top-mounted driers – only for dryer capacities of 200 and 400 litres – represent a cost-effective solution for the volume augmentation of driers. The max. drying temperature is 160 °C. Attainable residual moisture: **< 0,02%**.

Technical Data	GTT 60 E	GTT 101 E	GTT 201 E	GTT 202 E	GTT 401 E	GTT 401 A
Machine capacity in litres	60	110	200	160	400	800
Dimensions H/W/D in mm	1450x720x720	1450x720x720	1630x900x790	1630x900x790	1700x1060x950	2400x1060x950
Weight in kg	171	171	270	268	333	459
Drying capacity in kg/h	9 – 36	18 – 65	30 – 120	24 – 96	60 – 240	120 – 400
Connected load in kW	7,36	7,36	9,8	9,8	16,2	16,2
Air output in m ³ /h*	132	132	168	168	210	210
Order no.	651-0001-02	651-0001-01	92-0001-00	661-0001-00	93-0001-00	93-0001-00 65-0425-10

* Blower output when attached to an open connecting piece



DAT 12 F

Top-mounted, compressed air dryers – DAT Series

These small-quantity dryers work by using **dry** compressed air. An 'economy circuit' minimises air consumption. Loading can take place both manually, as well as automatically via an injector or a small suction conveyor.

Attainable residual moisture: **< 0,02%.***

* where suitably conditioned compressed air is used!

Technical Data	DAT 3	DAT 7	DAT 12	DAT 25	DAT 35
Machine capacity in litres	3	7	12	25	35
Dimensions H/W/D in mm	425 x 445 x 300	425 x 445 x 300	500 x 445 x 300	600 x 510 x 380	780 x 510 x 380
Weight in kg	20	21	22	25	25
Drying Capacity in kg/h	0,25 – 1,5	0,5 – 4	1 – 7	3 – 15	4 – 21
Connected load in kW	0.7	0.7	0.7	1.3	1.3
Air consumption in m ³ /h	3	3 – 6	3 – 6	6 – 10	6 – 10
Order no.	710-0001-08	710-0001-01	710-0001-00	710-0001-04	710-0001-05

Subject to technical changes!

Multichamber desiccant dryers



TTM 4 / 50

TTM 2 / 50
TTM 2 / 100

Compact

Multichamber desiccant dryers, Type **TTM**, are used both for low quantity production and in the laboratory. The chambers are completely insulated from each other. It is possible to load the dryers either manually or automatically.

Small compound containers that can be suspended in the dryer further increase the versatility of these units for low volume applications.



TLE with MB 100

Modular

TLE 100 + 1 x MB 100
TLE 100 + 2 x MB 50
TLE 100 + 3 x MB 30
TLE 200 + 2 x MB 100
TLE 200 + 3 x MB 50

The desiccant dryer can be used as a central compact unit or in combination with the existing processing machine hoppers. A processor controller, with an integrated time-switch clock, controls the drying cycle. All the chambers can be individually temperatureregulated. The maximum drying temperature is 160 °C. Attainable residual moisture: < 0,02 %.

Technical Data	compact			modular		
	TTM 2/50 TTM 2/100	TTM 2/200	TTM 4/50 TTM 4/100	1 x MB 100 + TLE 100	2 x MB 50 + TLE 100	3 x MB 30 + TLE 100
Device contents in litres	2 x 50 2 x 100	2 x 200	4 x 50 4 x 100	1 x 100	2 x 50	3 x 30
Dimensions H/W/D in mm	1600x1425x690 1600x1425x690	1700x1800x800	1500x1630x690 1700x2950x690	2200x1220x925	1825x1860x925	1635x2500x925
Weight in kg	275 280	470	325 485	45 / 120	2 X 35 / 120	3 X 28 / 120
Drying power in kg/h	7,5–30 kg/tank 19–65 kg/tank	22–80 kg/tank	7,5–25 kg/tank 15–60 kg/tank	20–65	6–25 kg/tank	3–15 kg/tank
Connected load in kW	11,8 11,8	27,0	12,8 19,0	7,36	7,86	9,86
Air power in m ³ /h*	168 168	210	168 210	132	132	132
Order no.	631-0001-01 631-0001-00	681-0001-00	641-0001-01 691-0001-00	602-0001-01 602-0001-00	602-0001-02 602-0001-00	602-0001-03 602-0001-00

* Blower output when attached to an open connecting piece
Subject to technical changes!

Hot-air dryers



W 200 E



MK 4 / 50



W dryers

Hot-air dryers are used for preheating and drying nonhygroscopic to weakly hygroscopic plastic granulates. The electronically controlled temperature guidance system enables gentle drying.

The 200 and 400 litre dryers can be supplied with enlarged storage hoppers to greatly increase their throughput capacity.

MK dryers

The multichamber dryers possess dry tanks containing 4 x 50 or 2 x 100 litres.

The chambers are separately temperature controlled. For details regarding the automation see the TTM series.

TF dryers

TF dryers are special dryers which not only dry plastic granulates, but also convey dry granulates to the machine. The air flow is generated by a side channel compressor.

Geco TTF conveyors are essential for filling the dryers.

The maximum drying temperature is 160°C.

Attainable residual moisture: < 0,1 %.

Technical Data	MK 2 / 100	MK 4 / 50	W 110 E	W 200 EG	W 400 E	W 400 E-A
	MK 2 / 200	MK 4 / 100	TF 110 E	TF 200 E	TF 400 E	400
Device contents in litres	2 x 110	4 x 50	110	200	400	800
	2 x 200	4 x 100	110	200	400	
Dimensions H/W/D in mm	1600x1425x690	1500x1630x690	1360x560x560	1490x760x760	1630x930x930	2350x930x930
	1700x1800x800	1700x2950x690	1360x560x560	1490x760x760	1630x930x930	
Weight in kg	195	210	115	205	272	327
	320	390	125	222	280	
Drying power in kg/h	12-25 kg/tank	5-10 kg/tank	11-20	60-100	90-150	120-240
	40-100 kg/tank	36-65 kg/tank	11-20	60-100	90-150	
Connected load in kW	7,22	8,22	3,75	12,5	12,5	12,5
	25,0	14,5	4,25	9,5	12,5	
Air power in m ³ /h*	280	280	378	290	290	290
	280	840	148	290	290	
Order no.	632-0001-00	81-0001-02	85-0001-00	84-0001-00	86-0001-00	86-0001-00
	681-0001-10	691-0001-20	97-0001-00	96-0001-00	98-0001-00	65-0425-07

* Blower output when attached to an open connecting piece

Subject to technical changes!



Vacuum conveyors



GKS 50

Geco suction conveyors are ideal for the transport of all free-flowing plastics granules. They can be used either as stand-alone units or in combination with our dryers. Fitting directly to the drier top is possible.

The drier outlet is equipped with a suitable connection facility for conveying directly out of the drier.

Adapter conveyors, for fitting conveyors directly onto driers, are available.



VSF 100

Standard scope of supply:

Designation	GKS 50	VSF 100	VSF 150	VSF 250
Container	x	x	x	x
Controller	x	x	x	x
Blower	x	x		
Compressor			x	x
Suction lance	x	x	x	x
Hose	x	x	x	x



VSF 150/250

Additional modules for retrofitting:

Designation	Order number
Compressed-air filter cleaning	71-0100-09
Two-component valve	71-0100-03

Technical Data	IGF 1*	GKS 50	VSF 100	VSF 150	VSF 250
Conveying capacity in kg/h	30	50	100	150	250
Conveying height in m (max.)	2	2,5	3	5	5
Conveying distance in m (max.)	5	10	10	15	20
Connected load in V / kW		230 / 0,85	230 / 1,1	400 / 1,5	400 / 2,2
Air output in m ³ /h**		16	20	290	290
Order no.	710-0001-10	71-0001-10	71-0001-06	77-0001-11	77-0001-12

* The IGF 1 is an injector conveyor that is only sold with DAT series dryers.

** Blower output when attached to an open connecting piece

Subject to technical changes!



Table of drying capacities for dessicant dryers

	Model	Temperature °C	GTT 60 E	GTT 101 E	GTT 201 E	GTT 202 E	GTT 401 E	GTT 401-A	TTM 2/50*	TTM 2/100*	TTM 4/50*	TLE+3x MB 30*
ABS	Acrylonitrile-butadiene-styrene	80	20	42	90	70	150	250	21	42	19	6
AN	Barex	80	20	42	90	70	150	250	21	42	19	6
ASA	Acrylonitrile-styrene-acrylester	90	18	30	60	55	120	210	15	30	15	6
CA	Cellulose acetate	70	20	42	80	70	150	250	21	42	19	6
CAB	Cellulose acetobutyrate	75	20	42	80	70	150	250	21	42	19	6
CP	Cellulose propionate	75	20	42	80	70	150	250	21	42	19	6
EVA	Ethylene vinylacetate copolymer	90	36	65	120	96	240	400	30	65	30	15
PA	Polyamide, 11/12, < 1% moisture	85	10	20	33	27	65	125	8	19	8	4
PA	Polyamide +30% glass fibre	85	10	20	33	27	65	125	8	19	8	5
PA	Polyamide 6, 6.6, 10 < 1% moisture	85	9	18	30	24	60	120	7.5	18	7.5	3
PC	Polycarbonate	120	12	24	40	32	80	160	10	24	10	7
PE	Polyethylene	80	36	65	120	96	240	400	30	65	30	15
PE	Polyethylene, black	80	28	45	95	75	160	280	23	47	20	9
PET	Polyethyleneterephthalate	160	15	28	55	45	90	120	15	30	15	6
PETG	Polyethyleneterephthalate	70	15	28	55	45	90	120	15	30	15	6
PBTP	Butyleneterephthalate	120	18	35	70	55	130	200	18	35	16	7
PI	Polyimide	120	16	30	65	52	110	160	16	28	15	6
PMMA	Polymethylmethacrylate	80	18	30	60	48	120	210	15	30	15	6
POM	Polyoximethylene	100	18	35	60	55	120	200	16	35	16	6
PP	Polypropylene	90	6	65	120	96	240	400	30	65	30	15
PPO	Polyphenylene oxide	110	18	35	60	55	120	200	16	35	16	6
PS	Polystyrene	80	36	65	120	96	240	400	30	65	30	15
SB	Polystyrene, shock-resistant	80	36	65	120	96	240	400	30	65	30	15
PUR	Polyurethane	90	18	33	60	48	120	210	15	30	15	6
PVC	Polyvinyl chloride	70	36	65	120	96	240	400	30	65	30	15
SAN	Styrene acrylonitrile	80	18	36	75	60	120	210	18	36	17	7
PSU	Polysulfone	110	18	36	75	60	120	210	18	36	17	7

* Data relates to y drying chamber.

Drying capacity given in kg/h

The original moisture content of the raw material, as well as possible reagents, can alter the drying period!



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