KOCH TECHNIK

Compact- and singelfeeding for plastic material

FEEDING DEVICES

WEAR-RESISTANT WITH GURANTEE

An UMP protected conveying unit made of special glass for materials reinforced with glass fibre. GLASKO is characterised with a higher resistance to wear and strength than at common conveying units because the whole cabinet is made of special glass with the thickness of 5–6 mm. GLASKO is perfectly suitable for conveying materials reinforced with glass fibre. Abrasion of the glass impact area is eliminated for many years. We therefore provide a 5-year warranty for the glass casing for the case of damage by the conveyed material.

As GLASKO can be combined with modules of the KOCH modular system, models such as a compact conveyor with an integrated vacuum generator and a standalone conveying unit are available – according to the design – for the material throughput from 60 kg to 400 kg per hour. To convey two different materials, we deliver GLASKO in the Tm version with an external mixing switch made of stainless steel or special glass.

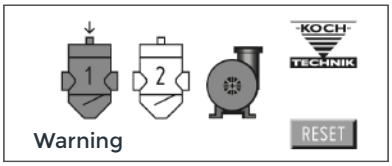
GLASKO
AS A COMPACT CONVEYOR 612DG

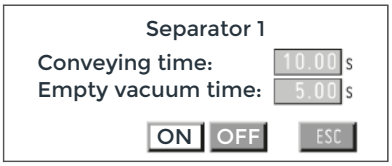
GLASKO
AS A STANDALONE CONVEYOR 138DG

GLASKO 230V OR 400V

GREAT VALUE AS DUO

Conveying unit for two places of consumption. By using the DUO conveying system, you can supply material to two places of consumption. One suction blower generates vacuum for two conveying hopper loaders The different total packages can cover the conveying of material up to 120 kg, 230 kg or 340 kg via medium distances. In addition to the setting of conveying parameters, it also enables to control regulation of safety valves or warning alarms in case of a lack of material.





A unit is easy to install and the control is ensured by means of a 3.8“ touch screen.

Each DUO conveying unit consists of a rack with a control unit and a blower (400 V/50 Hz), 2 hopper loaders with filter and cleaning with a rotary blade, suitable intermediate hoppers and 2 pieces three-foot-suction lances with an antistatic hose (18 m).

DUO-FEEDING UNIT 400V

Optimum conveying units with an integrated vacuum generator
Compact conveyors are ideal for conveying materials for shorter distances, e.g. from a silo with the material standing next to the machine directly to the processing machine. The design of these conveying systems enables easy handling. Compact conveyors have an integrated control which enables setting times of conveying and cleaning as well as activating an error message in case of a lack of material. A suction vacuum is generated by a commutator motor in the hood of the conveying unit. The hood with the vacuum generator can be tilted off or removed. The compact conveying units can be – without using a tool – swivelled on the intermediate funnel for material exchange without losing stability. The scope of delivery: of every compact conveyor includes additional 3 m anti-static conveying hoses and a suction lance for every material inlet.

The compact conveyor type 612D can be swivelled by 360° – as shown here onto the intermediate hopper Z5 – without use of tools!

COMPACT CONVEYORS (230V)

conveyors for one material

conveyors for two materials (Tm)

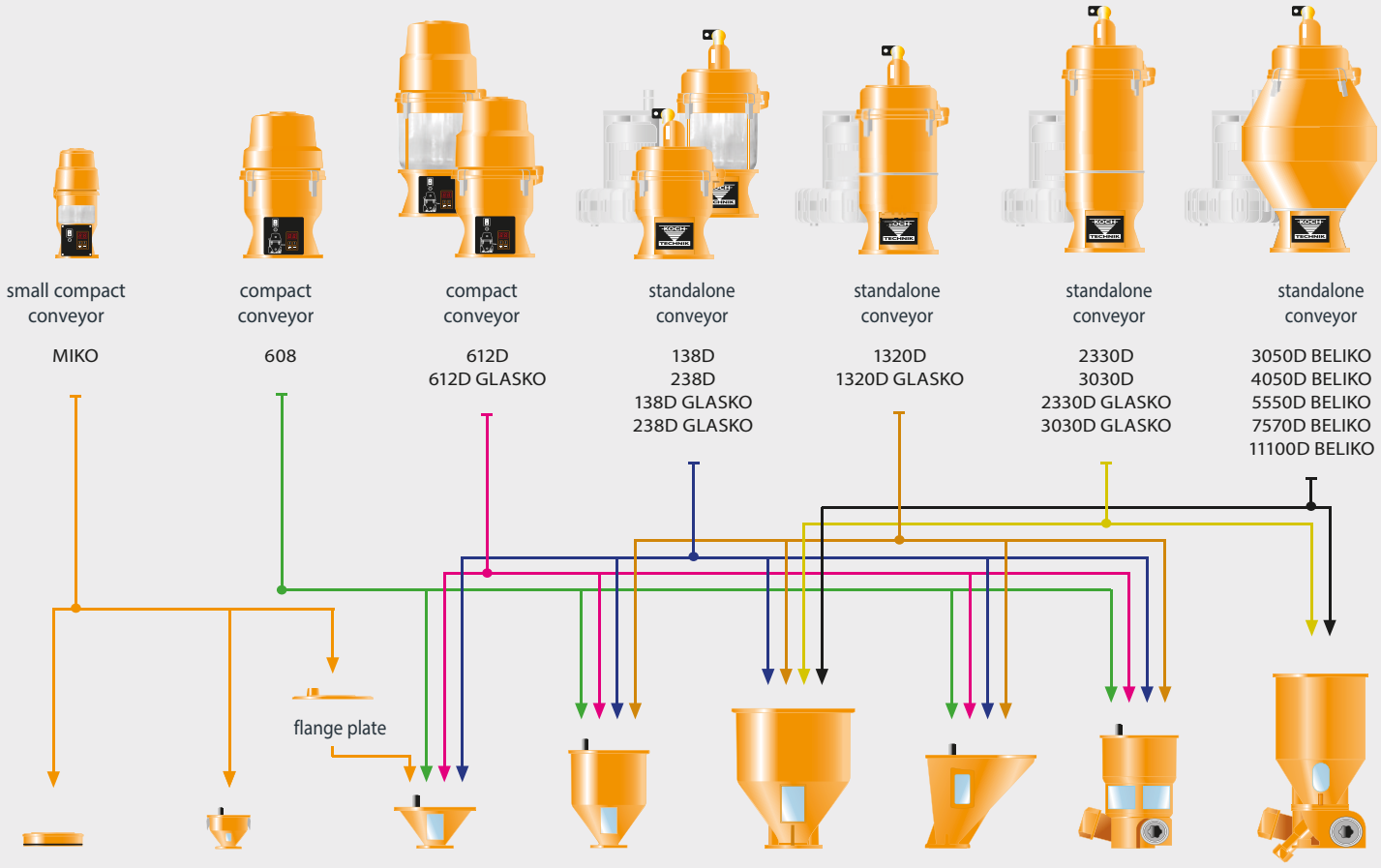
	MIKO	608	612D	TmMIKO	Tm6D
material components	1	1	1	2	2
commutator motor (kW)	0,65	1,1	1,1	0,65	1,1
casing	GKAL/HB100 glass	GKAL	GKAL	GKAL/HB100 glass	GKAL
volume (in litres)	1,3	8	12	1,3	12
conveying power max.	15 kg/h	50 kg/h	60 kg/h	12 kg/h	60 kg/h
voltage	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
nominal Ø (standard)	30 mm	40 mm	40 mm	30 mm	40 mm
height/depth max. (mm)	446/320	535/340	600/440	446/338	600/440
compr. air (free of oil/water)	5 – 7 bar	–	5 – 7 bar	5 – 7 bar	5 – 7 bar
filter cleaning/ filter type	rotary blade/ polyester fabric	filter cloth	rotary blade/ polyester fabric	rotary blade/ polyester fabric	rotary blade/ polyester fabric

PATENTED

All conveyors are optionally also delivered as 110 V/50 Hz model; GKAL = aluminium casting

MODULAR SYSTEM

Compact and standalone conveyors for conveying of one or two materials (Tm)

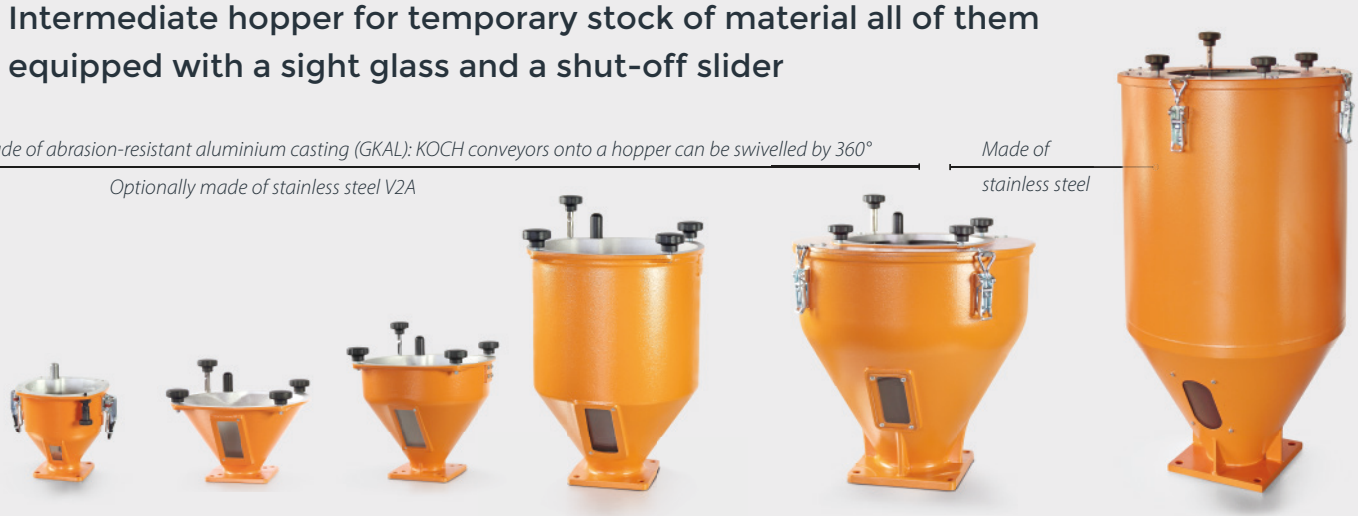


Intermediate hopper for temporary stock of material all of them equipped with a sight glass and a shut-off slider

Made of abrasion-resistant aluminium casting (GKAL): KOCH conveyors onto a hopper can be swivelled by 360°

Optionally made of stainless steel V2A

Made of stainless steel



Z1 = *1 litre* **Z2** = *2 Liter* **Z5** = *5 Liter* **Z12** = *12 Liter* **Z24** = *24 Liter* **Z40/Z60/Z100** = *40/60/100 Liter*

EXPANDABLE

Material conveying units for large flow rate volumes
Standalone conveying units are ideal for conveying medium up to large quantities of material for longer distances. The suction vacuum is generated by an external compressor which is modified for the needs of the conveying. The automatic cleaning via rotary blade ensures dust-free conveying of the material. The hoods of the units are hinged and the entire conveying unit can be swivelled onto the hopper made of an aluminium casting - directly on the processing machine.
To convey two different materials, Tm versions with two material inlets and a mixing switch are available.
The scope of delivery of a standalone conveying unit includes 7 m antistatic conveying hoses and a suction lance for every material entry.

STANDALONE CONVEYORS (230V)

*Side channel blowers provide outputs from **1.5 kW to 11 kW.** The control unit of the conveying unit is fitted directly on the blower.*

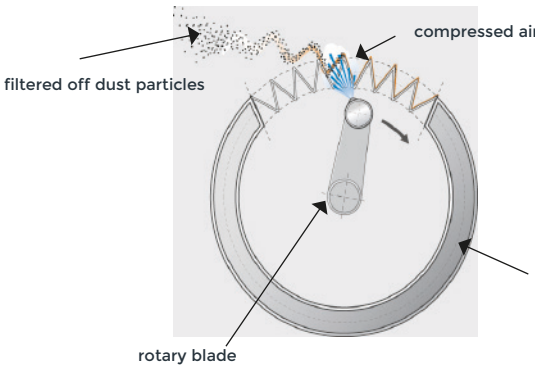
	138D, 238D	1320D, 2330D, 3030D	BELIKO 3050D, 4050D, 5550D, 7570D, 11100D
number of material components	1 or 2 (Tm)	1 or 2 (Tm)	1 or 2 (Tm)
blower (external)	1,6 kW – 2,5 kW	1,6 kW – 3,0 kW	3,0 kW – 11 kW
casing	GKAL	GKAL/V2A Edelstahl	GKAL/V2A Edelstahl
volume	12 litres	20/30 litres	50/70/100 litres
conveying power	150/200 kg/h	300/400/480 kg/h	600/900/1200/1500/2100 kg/h
voltage	3x 400 V/50 Hz	3x 400 V/50 Hz	3x 400 V/50 Hz
max. depth (mm)	440	440	605
height (in mm)	580	20l = 840; 30l = 970	50l = 1230; 70l = 1340; 100l = 1510
compressed air (fee of oil/water)	5 – 7 bar	5 – 7 bar	5 – 7 bar
filter cleaning/filter type	rotary blade/polyester fabric 0.33 m^2	rotary blade/polyester fabric 0.33 up to 0.6 m^2	rotary blade/polyester fabric 2,5 m^2

HIGH PERFORMANCE

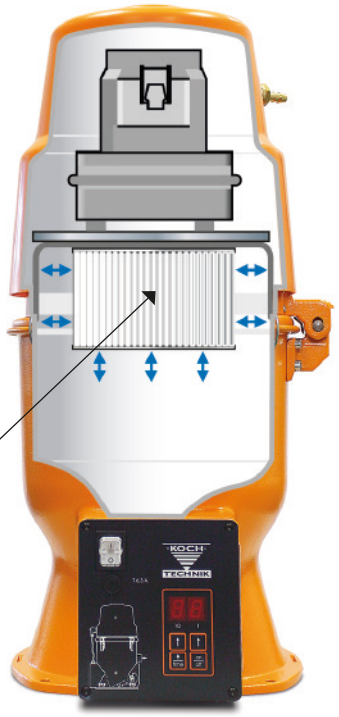
CLEANING

Automatic filter cleaning for clean conveying of the material

Our conveying systems (type D) with automatic cleaning with a rotary blade ensure absolutely dust-free conveying of the material, regardless of whether a new material, reclaimed material or loose powder is processed. The exhausted conveying air is cleaned via an absolutely tight polyester fabric filter. Filtration traps dust particles up to the size of 5 µm (100%), 3 µm (95%).



Filter element of polyester fabric (filtration traps dust particles from the exhausted conveying air up to the size of 2 µm)

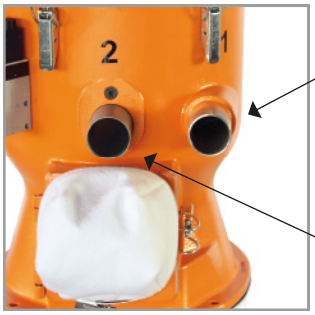


After every conveying the rotary blade performs pneumatic cleaning of the polyester fabric filter. Thanks to this, no residual dust remains in the conveyor. We offer a suitable filter with the filtration areas of 0.33 m², 0.6 m² and 2.5 m² to every conveying system.

TWO-IN-ONE

Conveying of two different materials (Tm)

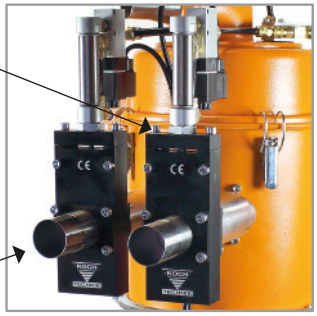
Tm conveyors can convey two different materials through the mixing switch. An integrated control unit controls the mixing switch and conveys e.g. virgin material and regrind in the set percent ratio. Switch cycles can be set to achieve proper mixing of materials during changing switching. Compact conveyors have a mixing switch integrated inside. Switching in conveying units with the volume above 20 l and the TmMIKO conveyor is carried out through an external mixing switch.



INTERNAL MIXING SWITCH

virgin material

regrind



EXTERNAL MIXING SWITCH
Tm conveying unit up to 20 l and TmMIKO

EXPAND YOUR CAPABILITIES

MIXING AND DOSING

We are specialists in dosing, mixing and coloring of plastic materials! We provide you with precise, reliable technology - for injection moulding machines and extruders.

FEEDING

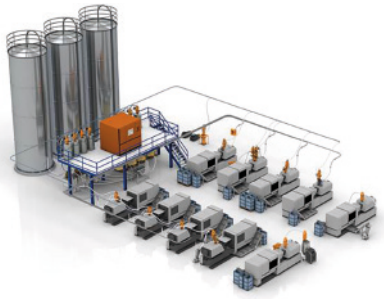
We offer peripheral equipment to supply your plastics processing machine with material. Our hopper loader transfer material save and clean to injection moulding machines and extruders.

DRYING

Our dryers for plastic materials are characterised by a high efficiency and cost effectiveness.

CENTRAL FEEDING SYSTEMS

We design, manufacture and install your centralised material feeding system. Specifically to your requirements and customised to your plastics processing needs.



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