

# Central conveying systems

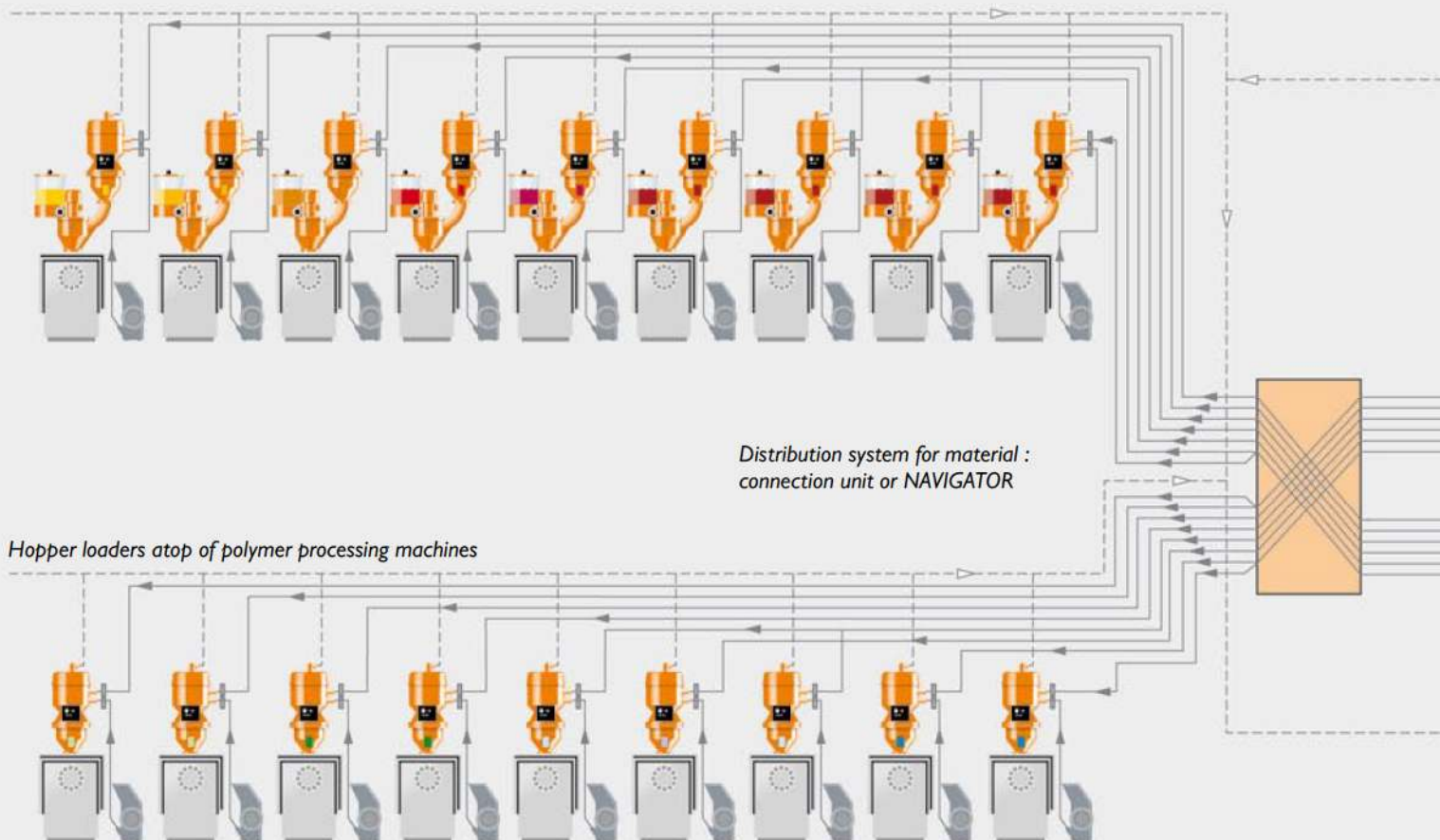
With more than 37 years of experience in automation for the plastics processing sector, we at KOCH-TECHNIK have earned our position as a market leader in this field. We plan, produce and install conveying systems for you which exactly meet your requirements and are appropriate for the conditions under which you operate. All the components in the modular system are at your disposal. The KOCH modular system guarantees any company a high degree of flexibility.

In this way you can also benefit from our innovative research and development work with which we have succeeded in manufacturing all our conveyor systems in accordance with clean room requirements.

We are happy to draw up a individual offer for a conveyor system.

## Our central granulate supply systems have considerable advantages:

- central material administration system with no risk of confusion
- a minimum of staff required
- clean production without granulates on the machine
- better use of factory facilities, as there is no need for space to deposit pallets
- very short payback period
- possible to integrate central drying plants and central pre-mixers
- central material distribution system possible
- performance average and material coordinated with throughput
- modular system which can be extended at any time



Schematic representation of a machine-dependent conveying system by KOCH

# Hopper loaders\* for conveying systems



## Type A 2

### a hopper loader for minimum throughputs

You can process from 4 - 5 kg per hour with the appropriate Z 1 intermediate hopper. For very hygroscopic and dried materials, the benefits are obvious. With this hopper loader for very small quantities, the materials are held for less time before they are processed, which means that detrimental effects on the quality are avoided. You can achieve higher throughput rates, up to 15 kg/h, with a Z 2 intermediate hopper.

## Intermediate hopper type Z I

The intermediate hopper type Z I is suitable for A 2 hopper loaders and all very small conveyors. It is ideal for throughputs of up to a maximum of 5 kg/h.

Capacity: 0.7 litre. Made of die-cast aluminium with two sight glasses. We also have the matching intermediate plates or sliders for all small machines.



A 8 hopper loader, intermediate hopper Z I and material locking mechanism



A 2 hopper loader and intermediate hopper Z I in a conveying system

\* also referred to as feeder

# Vacuum generators and safety filter



side channel blower with control unit



Vacuum blowers

Every conveyor system is tailored individually to your requirements. Your material can be removed from bags, octabins, Big Bags or silos with suction. There is a range of blowers to generate the vacuum required.

## Side channel blower (three-phase fans)

Side channel blowers are durable, maintenance-free vacuum generators for small conveyor systems.

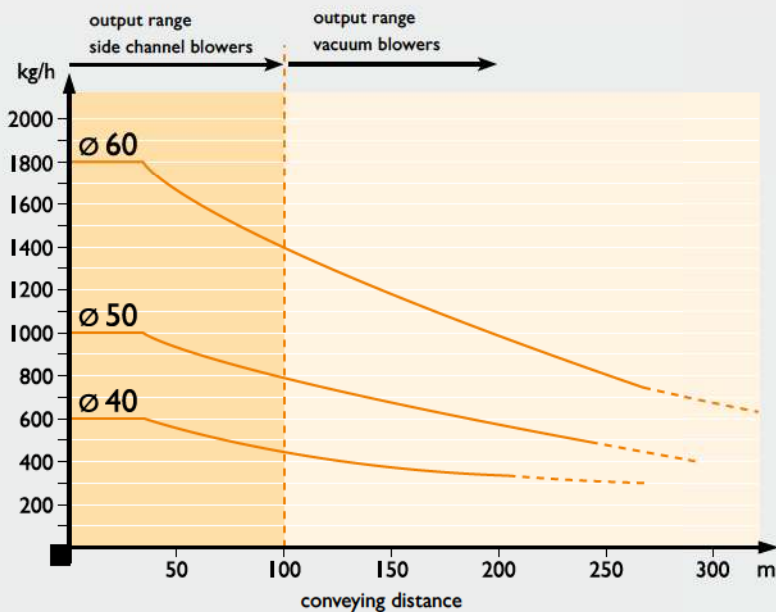
To be available 1,3 kW / 2,3 kW / 3,0 kW / 4,0 kW / 5,5 kW / 7,5 kW.

## Vacuum blowers (rotary claw vacuum pumps)

(rotary claw vacuum pumps)

are used for long distances and heavy-duty work. The performance of these blowers is unbeatable.

To be available 3 kW / 4,5 kW / 5,5 kW / 7,5 kW / 11 kW / 15 kW



The diagram is based on:

- granulate: Ø 3 - 5 mm
- conveying pipe with five bends
- conveying distance vertical 6 m
- bulk weight: 0,65 kg/dm<sup>3</sup>

# NAVIGATOR - Fully automatic material feed system (patented)

