Pneumatic conveying of bulk materials.

We bring to bear for designs and realisations of equipments for bulk materials storing and conveying, it means above all cement, lime, limestone, fly-ash, chemical raw-materials and products and other bulk materials in our activities. Conveying distances are from tens to hundreds meters with elevation to tens meters with transport capacities to hundreds tons per hour.

**RAKO Rakovník – fluid conveyors – limestone conveying**

**ČEZ Mělník – fluid conveyors – fly-ash conveying**

**Chemopetrol Litvínov – fly ash pneumatic conveying**

**Chemopetrol Litvínov – fluid conveyors – fly-ash conveying**

**ČEZ Mělník – fluid conveyors – fly-ash conveying**

**Fluid pneumatic conveying.**

Fluid pneumatic conveying is very advantageous for its very low requirements for maintenance, and service costs. It can substitute mechanical conveyors as screws or belt conveyors. The very long lifetime, low energy consumption and chiefly dust and noise elimination is guaranteed.
Pneumatic conveying in pipeline.

The flow feeder can be used for pneumatic conveying of bulk materials capable of fluidisation in the cases where aerated material forms enough of hydrostatic pressure.

An ejector feeder can be used for some powder or grains materials conveying. Company RAYMAN spol. s r. o. placed the vessel feeder to the market, too.

Both, fluid conveyors and airslides incl. accessories are in our production range.
Bulk materials store and discharging.

Prachovice Cement plant – silo aeration system for cement

Pneumatic discharger is determined for discharging and quantity regulation of aerated material from silos, hoppers, fluid conveyors. It can be equipped by one, two, three or four discharging valves.

Teplárna Komořany – fly-ash discharging from a hoper

Safety device ensures hoper or silo construction from excessive air over – or under-pressure during feeding or discharging of this hoper by material.

Rohožník Cement Plant – the expander and the safety device

We deliver equipment for raw materials and products homogenisation, aeration and discharging during their store in silos and hoppers.

Králův Dvůr Cement Plant – silo aerating system for cement raw

Plzeňská teplárenská – fly-ash discharging from a hoper

Plzeňská teplárenská – the expander and the safety device
Pneumatic conveying accessories.
We produce and deliver other parts and accessories of pneumatic conveying equipment, par example: divertors, pipeline closures and knees, aerating elements, air guns, airslides incl. divertors, tight closures and end parts, heavy parts separators and filters for conveying air dedusting.

Meclov – dedusting of loading spouts

The filter – at the workshop

The airslide tight closure – at the workshop

The pipeline knee

The pipeline divertor – at the workshop

The sampler – at the workshop

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