

## Central Material Feed System

A central material feed system allows polymer to be automatically distributed to your processing machines, sometimes long distances, through a series of solid pipes using a centrally positioned vacuum pump. Vacuum receivers (hopper loaders) on all machines are linked via a "Matrix" central control system that enables any machine to process any material from various locations. Material, which can be in bulk silos or day bins, is generally sited away from the production area. Drying, blending and scrap reclaim can also be integrated in to a central feed system.

### Features

- Multiple hopper loaders connected to a common vacuum pump linked via a common control
- Automatic line purging to ensure no pipe blockages or cross contamination of materials
- Easy material selection via distribution manifold and quick release couplings
- Central filtration unit for all hopper loaders
- Material drying and blending can also be centrally positioned and integrated in to central distribution systems
- High visibility remote display panel available for easy monitoring and control

### Benefits

- Eliminates manual shifting of polymer between storage and manufacturing area
- Removes pallets and bags of material from the shop floor & enables the use of silo/bulk storage if required
- Reduces the need for fork lift and pallet truck use in the production area
- Promotes good 'housekeeping'
- Reduces dust levels in the production environment due to central filtration
- Eliminates manual lifting of material bags by machine operators
- Eliminates material spillage and waste.
- Power saving - One central vacuum unit replaces multiple vacuum motors
- When integrated with a central dryer eliminates waiting time for dried material



### Summit Systems

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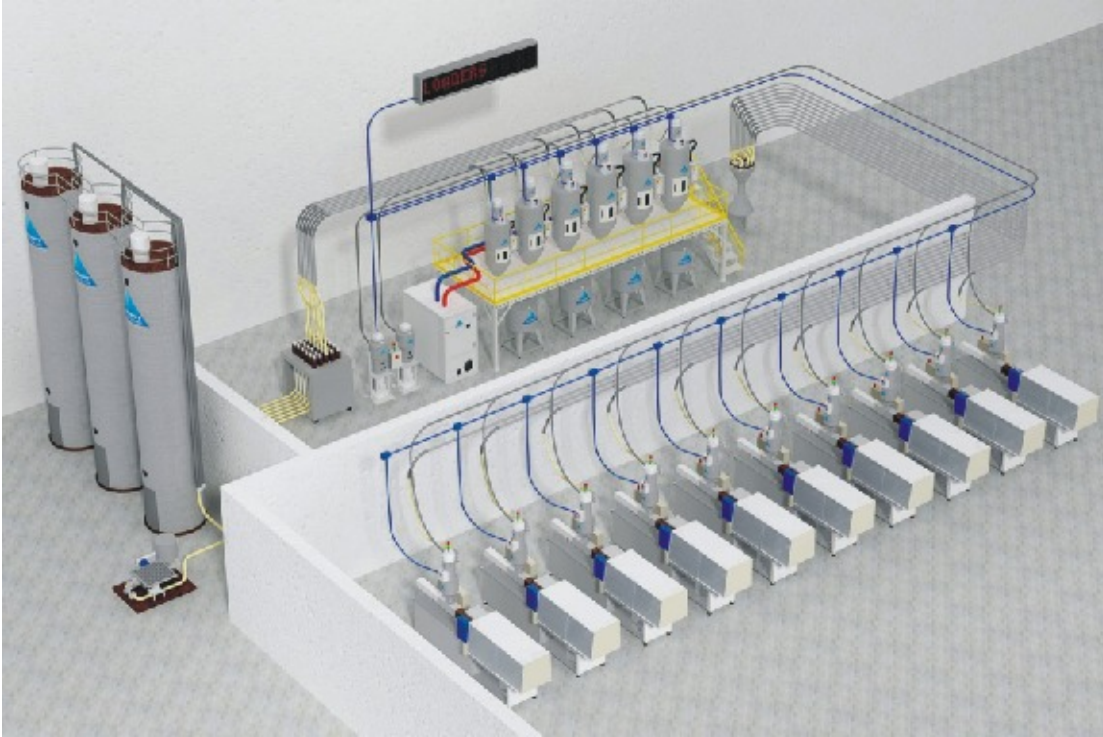
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## Matrix diagram



## Matrix System Control

All material conveying equipment is networked via a single cable from a central server - An extremely flexible system which is easy to install and manage.

A portable hand held controller allows set up and adjustment at either the server or any of the other connection ports within the system including loaders and pumps.

Matrix systems can be expanded simply by extending the cable run and increasing hopper loader quantity to cater for additional machines.

The server will support up to 199 hopper loaders and 30 vacuum pumps.

Large overhead display panels can be installed to give good visual indication of system status.



“Reduce material handling and labour costs by implementing a materials distribution system”

## Available from Summit

Gravimetric blenders, Vacuum hopper loaders, Material dryers, Central material handling, Masterbatch feeders, Granulators/ shredders, Robots/sprue pickers, Product conveying and sorting, Magnetic platens, Material storage, Fabrication, Tool heaters & chillers, Turnkey systems