

# NERAK

practical solutions  
for a moving environment

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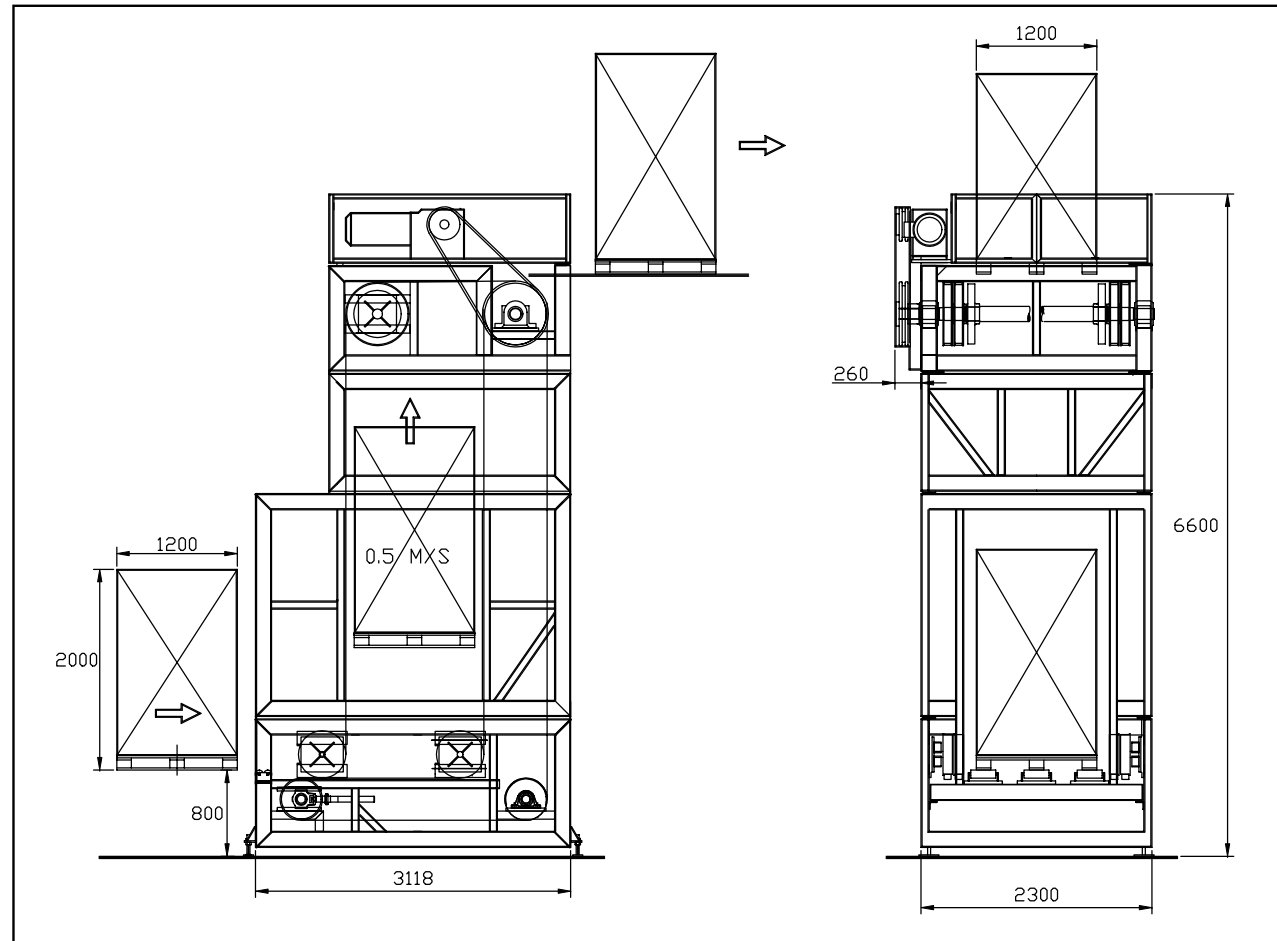
## TECHNICAL DETAILS

### MACHINE DIMENSION

These are available upon request as they depend on the size and type of product to be conveyed.

### INSTALLATION

Machines that are up to 3 metres high only require bolting down.  
Machines that are higher than 3 metres require fixing to supporting steel work.



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## CONTINUOUS VERTICAL PALLET CONVEYOR SYSTEM



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## PRINCIPLES

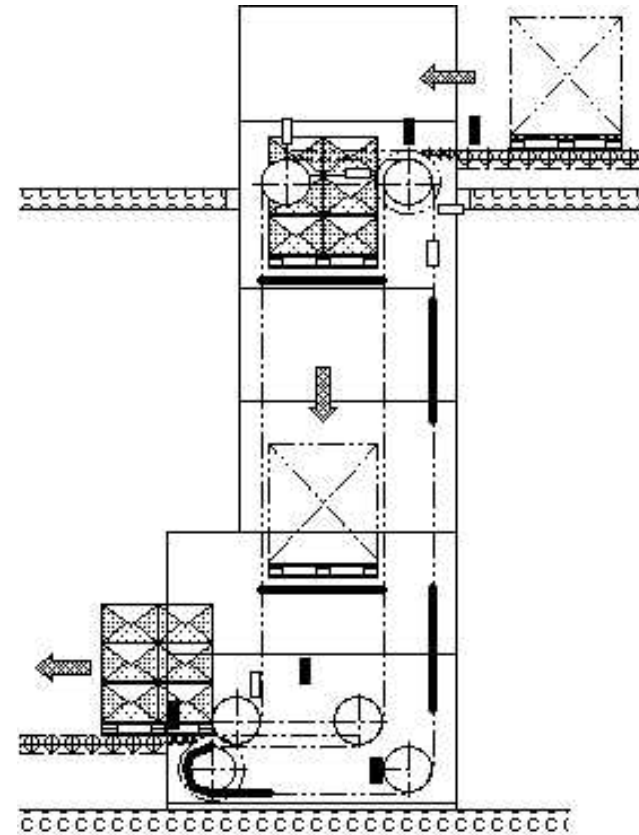
For many years NERAK 'S'-shaped continuous vertical platform conveyors have been the classic choice when it came to conveying large quantities of unit loads between floors.

A call for the same type of machine to transfer up to 2,000 Kg pallets between floors now exists.

Like their lighter weight companions not only do they lift pallets up but can lower them down as well.

These specially designed machines convey various sized dimensioned products with individual loads of up to 2,000Kg, this along with lifting heights of over 20 metres being obtainable and giving throughput capacities of over 400 pallets per hour.

In operation the infeed conveyor stops with the product waiting, when the controls detect the next platform coming round it starts the infeed conveyor so as to time the product on to the platform. The product will then be discharged on to the exit conveyor.



## DESIGN



### LIFTING MECHANISM

Each of the four corners of the heavy duty platforms are attached to a hinged block assembly which in turn is connected to the heavy duty rubber block belts via the high tensile steel cables which are embedded in the rubber block belts.

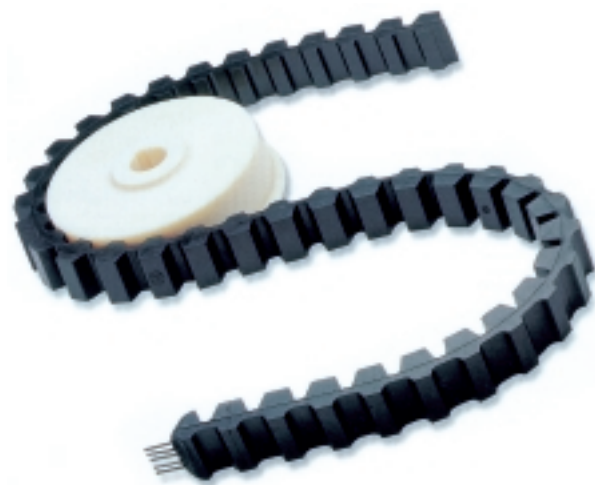
### ELECTRICAL COMPONENTS

Component are normally wired back to a local junction box to enable ease of installation.

When necessary complete control systems are available which would allow for the operation of conveyors.



## DRIVE SYSTEM



With the use of the unique rubber block belt drive system the features that it offers is silent-running, wear-resistant and maintenance free.

The rubber block chain strength is provided by high tensile embedded steel cables in either SRB, Perbunan or Neoprene compounds which will suit all applications.

As you are aware that when it comes to hygiene the requirement to "wash down" any equipment using this system does not present a problem as the belt and its drive and carrier wheels do not require lubrication.

### STRUCTURE

The supporting frame of the unit is normally of a robust construction manufactured from mild steel profiles which is bolted together to form sections this is then polyester powder coated if required giving a choice of BS & RAL colours..

In accordance with Health and Safety requirements the structure is clad using a perforated mesh.

Easily removable panels and access doors are allowed for to accommodate any cleaning and maintenance that may be required.

Also available are structures and cladding of stainless steel.