

# Versatile Transport System

THK's Versatile Transport System enhances productivity and flexibility. Sliders circulate at high speed, significantly reducing material transport time. It flexibly responds to variable-mix, variable-volume demands.

## Challenges with designing a production line

Transporting material from work table to another adds to non-value-add cycle time.



Changeover required when switching products is time and resource intensive.

## THK Solution

### Reduced cycle time

Maximum speed

**3.0m/s**

Maximum acceleration

**2.0G**

Maximum radial load

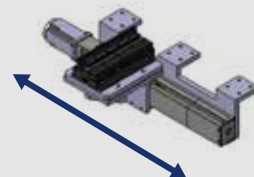
**3000N**

**Process material directly on Versatile Transport System**

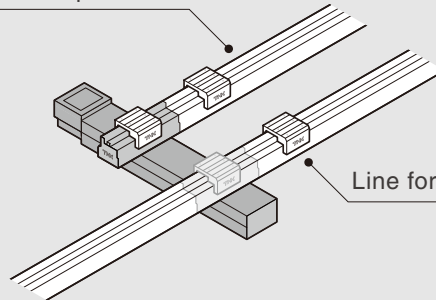


### Variable-mix production

**Shift feature to divert material to another line.**



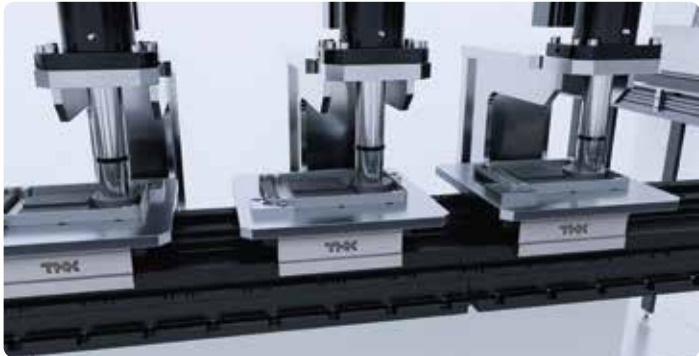
Line for product A



Line for product B

## Use Case

Improve productivity by multiplexing bottleneck processes.  
(e.g. setting up multiple press-fit stations for simultaneous processing)



Each slider can move simultaneously & independently for simultaneous processing.

## Features of Versatile Transport System

### 1. Flexible Layout

The transport system can circulate horizontally and vertically.



Available in 3 rail lengths

1200mm  
600mm  
300mm



E.g. Vertical layout configuration



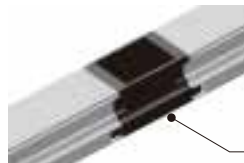
Expandable



Modular

### 2. Automatic Lubrication System

Special oil-impregnated spacer between linear motion rails lubricates sliders automatically.



Oil-impregnated

LM rail on the module

## Applications

Battery  
Manufacturing



Wire Harness  
Manufacturing



Electronics  
Manufacturing



Automobile Parts  
Manufacturing



Contact

**THK CO., LTD.**  
FA Solution Sales Division

✉ [iot\\_LM@thk.co.jp](mailto:iot_LM@thk.co.jp)

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HENNlich -  
ŽIJEME TECHNIKOU

o.z. LIN-TECH HENNlich s.r.o.  
Českolipská 9, 412 01 Litoměřice

Telefon: +420 416 711 333  
E-mail: [lin-tech@hennlich.cz](mailto:lin-tech@hennlich.cz)

[www.hennlich.cz/lin-tech](http://www.hennlich.cz/lin-tech)