

|             |
|-------------|
| LCM         |
| LCR         |
| LCG         |
| LCW         |
| LCX         |
| STM         |
| STG         |
| STS/STL     |
| STR2        |
| UCA2        |
| ULK*        |
| JSK/M2      |
| JSG         |
| JSC3/JSC4   |
| USSD        |
| UFCD        |
| USC         |
| UB          |
| JSB3        |
| LMB         |
| LML         |
| HCM         |
| HCA         |
| LBC         |
| CAC4        |
| UCAC2       |
| CAC-N       |
| UCAC-N      |
| RCS2        |
| RCC2        |
| PCC         |
| SHC         |
| MCP         |
| GLC         |
| MFC         |
| BBS         |
| RRC         |
| GRC         |
| RV3*        |
| <b>NHS</b>  |
| <b>HRL</b>  |
| LN          |
| Hand        |
| Chuk        |
| MecHnd/Chuk |
| ShkAbs      |
| FJ          |
| FK          |
| SpdContr    |
| Ending      |

# New Handling System

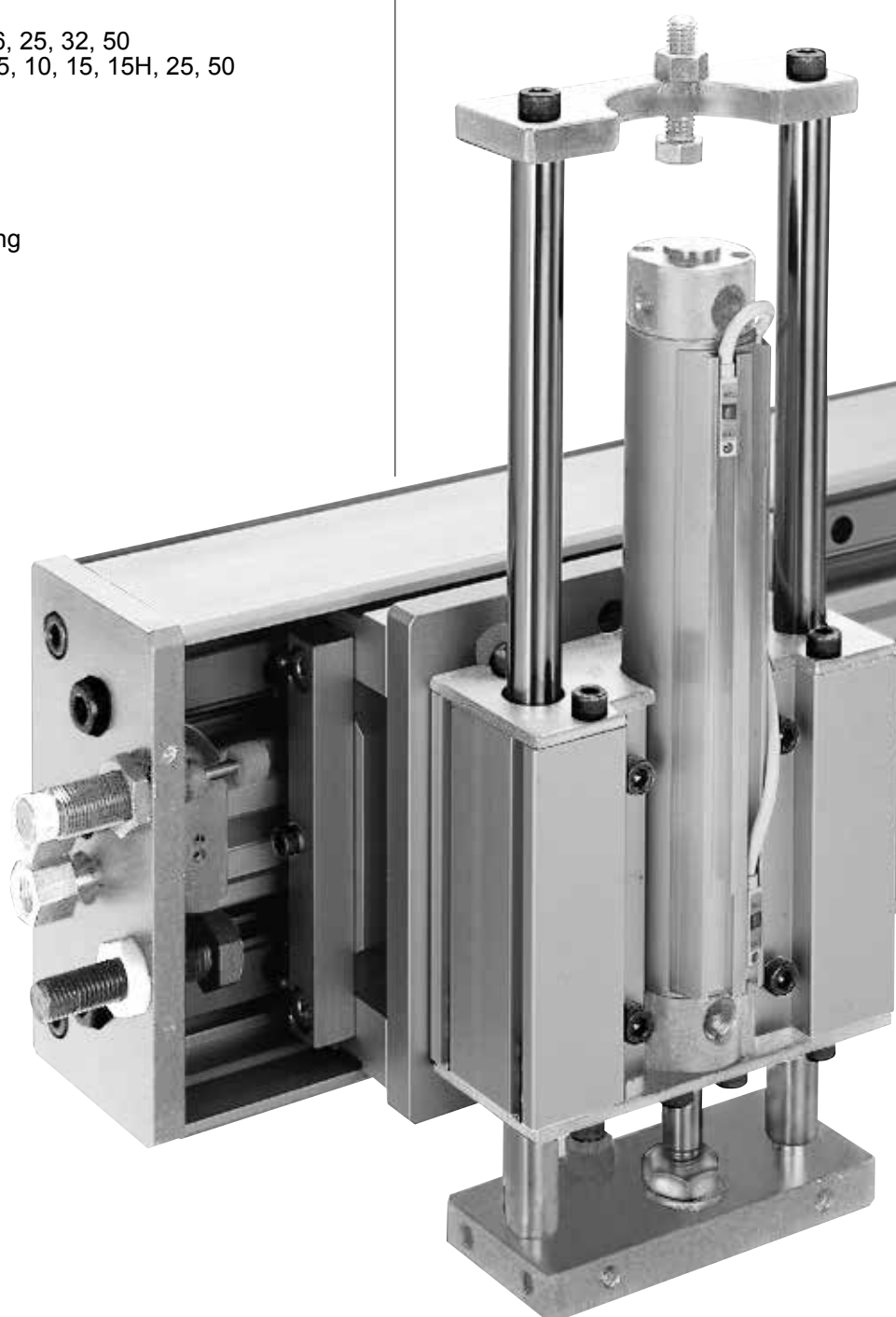
New handling system

X-axis module — NSR-1-10, 15, 30, 50

Z-axis module — STL-16, 25, 32, 50  
HRL-05, 10, 15, 15H, 25, 50

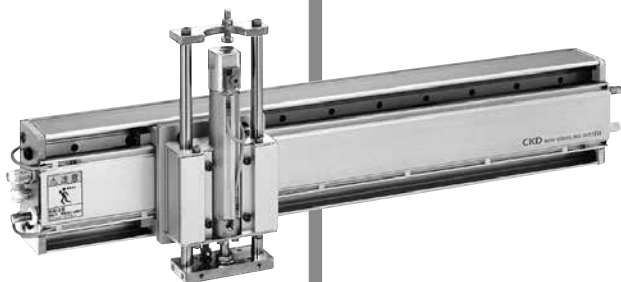
X-, Z-axis mounting attachments

## Potential.



# Features

## ● NHS-H



## ● NSR

### ● High rigidity LM guide

Equipped with two guide rails to achieve high accuracy and rigidity at the maximum allowable moment load

### ● Air driven with a rodless cylinder

Equipped with a no-lubrication rodless cylinder realizing high speeds.

### ● With shock absorber

Absorber for smooth stop at the stroke end

### ● Integrally molded high rigidity aluminum frame

### ● Stop bolt for fine adjustments

### ● T slot for frame main body assembly

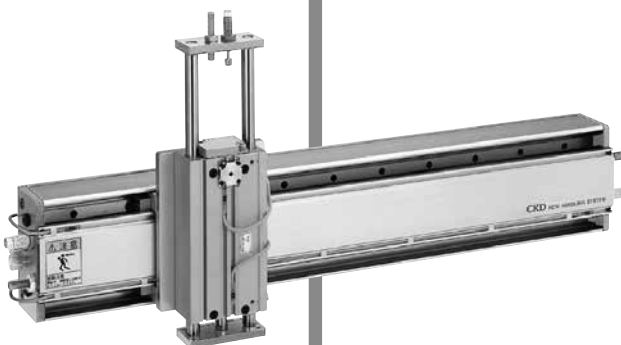
Built-in square nut allows it to be mounted at any position along the length of the frame

### ● Front cover

Decorative plate prevents dust and acts as a sensor rail

### ● Stroke end position detection switch

Cylinder switch for reliable and accurate operation

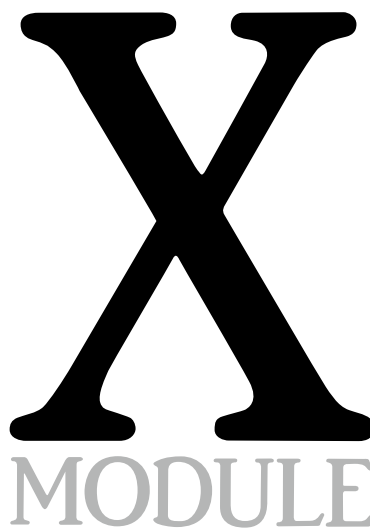


## ● NHS-S

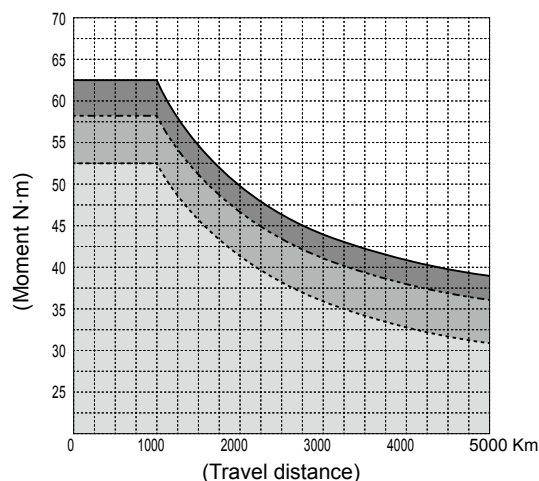
|              |
|--------------|
| LCM          |
| LCR          |
| LCG          |
| LCW          |
| LCX          |
| STM          |
| STG          |
| STS/STL      |
| STR2         |
| UCA2         |
| ULK*         |
| JSK/M2       |
| JSG          |
| JSC3/JSC4    |
| USSD         |
| UFCD         |
| USC          |
| UB           |
| JSB3         |
| LMB          |
| LML          |
| HCM          |
| HCA          |
| LBC          |
| CAC4         |
| UCAC2        |
| CAC-N        |
| UCAC-N       |
| RCS2         |
| RCC2         |
| PCC          |
| SHC          |
| MCP          |
| GLC          |
| MFC          |
| BBS          |
| RRC          |
| GRC          |
| RV3*         |
| <b>NHS</b>   |
| <b>HRL</b>   |
| LN           |
| Hand         |
| Chuk         |
| MechHnd/Chuk |
| ShkAbs       |
| FJ           |
| FK           |
| SpdContr     |
| Ending       |

|             |
|-------------|
| LCM         |
| LCR         |
| LCG         |
| LCW         |
| LCX         |
| STM         |
| STG         |
| STS/STL     |
| STR2        |
| UCA2        |
| ULK*        |
| JSK/M2      |
| JSG         |
| JSC3/JSC4   |
| USSD        |
| UFCD        |
| USC         |
| UB          |
| JSB3        |
| LMB         |
| LML         |
| HCM         |
| HCA         |
| LBC         |
| CAC4        |
| UCAC2       |
| CAC-N       |
| UCAC-N      |
| RCS2        |
| RCC2        |
| PCC         |
| SHC         |
| MCP         |
| GLC         |
| MFC         |
| BBS         |
| RRC         |
| GRC         |
| RV3*        |
| <b>NHS</b>  |
| <b>HRL</b>  |
| LN          |
| Hand        |
| Chuk        |
| MecHnd/Chuk |
| ShkAbs      |
| FJ          |
| FK          |
| SpdContr    |
| Ending      |

# Module concept.



The X-axis module can boast of being the most important component in the transfer unit structure. In other words, the performance of the X-axis module determines whether the transfer unit will satisfy customer requirements for their application. NSR type X-axis modules are made with emphasis on that very point. First, the drive part uses a SRL3 type rodless cylinder that has been well reviewed by many customers, proving its reliability, for a design that is space-saving and has high load capacity and high accuracy characteristics. Furthermore, the high-rigidity LM guide used withstands moment and lateral loads, and the max. guide span has been incorporated to optimize its characteristics. The body is finished with extruded aluminum to reduce weight and



This is the NSR-1-10  
NSR-1-15 graph.

Slider speed : 500 mm/s  
Unit stroke : 500 mm

— M1  
- - - M3  
· · · M2

add rigidity. Standard parts include a shock absorber to absorb shock and vibration at the stroke end, a stop bolt to secure the stopping position, and a cylinder switch to detect the stroke end. NSR type X-axis modules narrow down the required functionality as much as possible, creating a more practical X-axis module with excellent cost performance. Options, including a cableveyor and full stroke length adjustment block, are widely available in response to user needs.

# Z MODULE

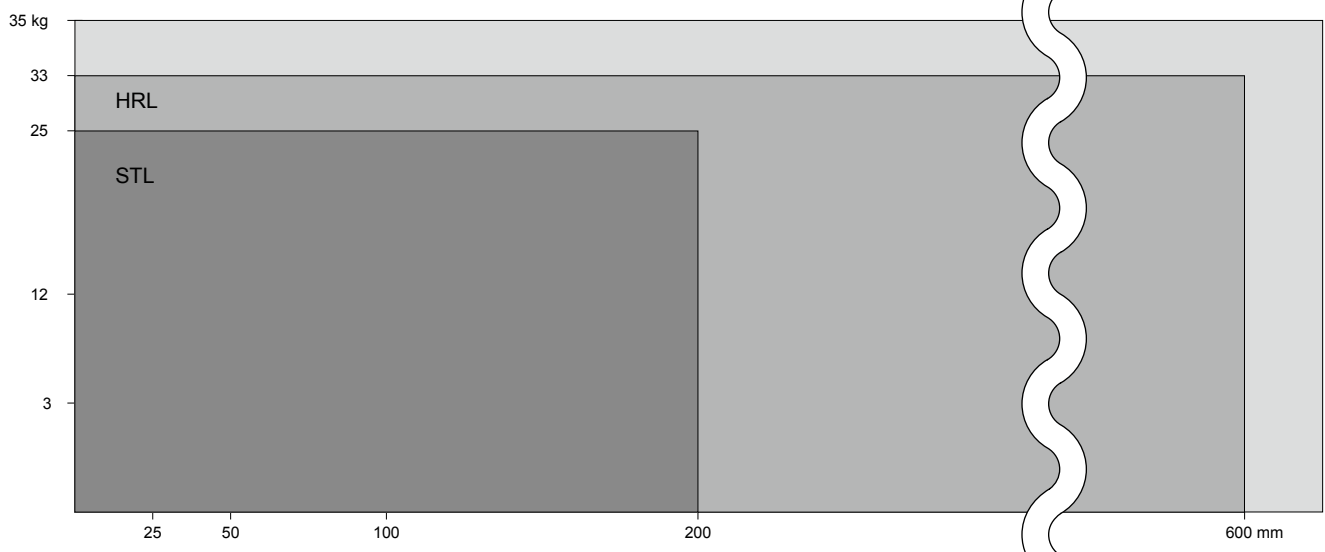


STL

The Z-axis module, responsible for transport work as close to the target object as possible, cannot be too inflexible, nor too pliant, but requires an appropriate amount of rigidity. In addition, it should be as thin as possible out of consideration for overhang and space, while the demand for functionality of this component and the position-locking mechanism is ever increasing.



HRL



The CKD Z-axis modules respond to these needs, and are available in 10 models and 2 types, including the low-cost STL and the high-load long-stroke compatible HRL.

This lineup of transfer Z-axis modules with a load capacity of 3 to 33 kg enables the user to freely select a small part transfer system that meets individual applications and needs. Naturally, CKD has a range of attachments available which allow combination of the X-axis module and Z-axis module to easily create a component transport system.

|              |
|--------------|
| LCM          |
| LCR          |
| LCG          |
| LCW          |
| LCX          |
| STM          |
| STG          |
| STS/STL      |
| STR2         |
| UCA2         |
| ULK*         |
| JSK/M2       |
| JSG          |
| JSC3/JSC4    |
| USSD         |
| UFCD         |
| USC          |
| UB           |
| JSB3         |
| LMB          |
| LML          |
| HCM          |
| HCA          |
| LBC          |
| CAC4         |
| UCAC2        |
| CAC-N        |
| UCAC-N       |
| RCS2         |
| RCC2         |
| PCC          |
| SHC          |
| MCP          |
| GLC          |
| MFC          |
| BBS          |
| RRC          |
| GRC          |
| RV3*         |
| <b>NHS</b>   |
| <b>HRL</b>   |
| LN           |
| Hand         |
| Chuk         |
| MechHnd/Chuk |
| ShkAbs       |
| FJ           |
| FK           |
| SpdContr     |
| Ending       |

|             |
|-------------|
| LCM         |
| LCR         |
| LCG         |
| LCW         |
| LCX         |
| STM         |
| STG         |
| STS/STL     |
| STR2        |
| UCA2        |
| ULK*        |
| JSK/M2      |
| JSG         |
| JSC3/JSC4   |
| USSD        |
| UFCD        |
| USC         |
| UB          |
| JSB3        |
| LMB         |
| LML         |
| HCM         |
| HCA         |
| LBC         |
| CAC4        |
| UCAC2       |
| CAC-N       |
| UCAC-N      |
| RCS2        |
| RCC2        |
| PCC         |
| SHC         |
| MCP         |
| GLC         |
| MFC         |
| BBS         |
| RRC         |
| GRC         |
| RV3*        |
| <b>NHS</b>  |
| HRL         |
| LN          |
| Hand        |
| Chuk        |
| MecHnd/Chuk |
| ShkAbs      |
| FJ          |
| FK          |
| SpdContr    |
| Ending      |

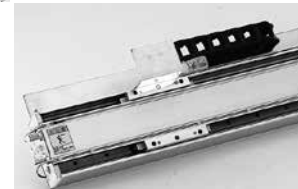
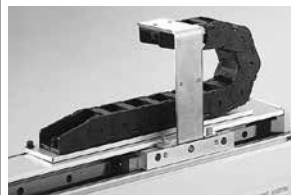
## ● Adjustable stroke block

A block that allows the full stroke length to be adjusted. Shock absorber and stop bolts are already mounted.



## ● Cableveyor

- Two mounts are available: horizontally mounted and vertically mounted.
- Two capacities are available: standard capacity and large capacity. (NSR-10, 15)



## ● 2-head

2-stage, high moment are available with two heads.



# OPTION

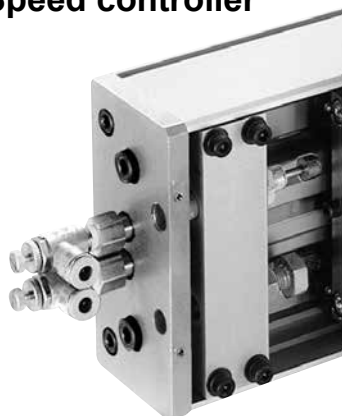
■ Wide options/lineup to meet diverse needs

## ● Position locking

Z-axis modules with position locking mechanism are available. (Excluding STL-BP-16)



## ● Speed controller



## ● LB bracket

The LB bracket makes mounting easier, especially when mounting on the bottom surface. (LB brackets cannot be used for hoisting or suspending upside-down.)

(Refer to mounting orientation on page 1460)

