

Accessories

# ***Transfer Stations***

*Standard Transfer Station, Swap Station,  
Shuttle Station, Slide Station,  
Turn Station, ...*



Accessories

Function

## Standard Transfer Station

The Standard Transfer Station is a fixed station outside the StoreX system which can be accessed by the StoreX handler as well as by any external robotic system.

| Order Information      | Order Nr.  |
|------------------------|------------|
| STX Series, LPX Series | 9118 02 75 |
| STR Series, LPR Series | 9147 00 24 |

### Main features

- Alignment pins for realigning the micro plates in both horizontal directions
- Easy adjustment of X / Y position, height and rotation for the transfer Station
- Easy access to the micro plates for external grippers
- Presence of a micro plate checked by a plate sensor

Function

## Turn Station

The Turn Station is mounted outside the StoreX system and is rotating each micro plate by 90 degrees before and after being accessed by the StoreX handler. Since the StoreX handler is transporting the micro plate along its longer axis, this may be necessary if an external handling system requires the micro plate in a different format.

| Order Information      | Order Nr.  |
|------------------------|------------|
| STX Series, LPX Series | 9118 00 59 |

### Main features

- Rotation of each micro plate by 90 degrees (clockwise)
- Alignment pins for realigning the micro plates in both horizontal directions
- Rotation controlled by the StoreX system, no additional external software required
- Easy adjustment of X / Y position, height and rotation of the transfer station
- Easy access to the micro plate for external grippers
- Presence of a micro plate checked by a plate sensor

Function

## Swap Station

The Swap Station is mounted outside the StoreX system and consists of two transfer plates mounted on a swap drive rotating the transfer plates by 180 degrees.

The swap station acts as a plate buffer and as a plate extension shuttle. The distance of the actual transfer position is increased by 145 mm.

| Order Information      | Order Nr.  |
|------------------------|------------|
| STX Series, LPX Series | 9118 11 00 |

### Main features

- Two transfer plates acting as buffer for faster handling
- Alignment pins on each transfer plate for realigning the micro plates in both horizontal directions
- Control of the Swap Station by the user system (access through the handling communication port)
- Possible conflicts between the StoreX handler and the Swap Station monitored by the StoreX system
- Two plate sensors integrated, status can be requested individually
- Easy adjustment of X / Y position, height and rotation of the transfer station
- Easy access to the micro plate for external grippers

Function

## Slide Station

The function of the slide-station was designed for the use of non-articulating robotic arms that need additional clearance from the storage units. With its precise stopping point it ensures these devices need to be taught only once for accurate load and retrieval of the storage plates.

The components used are the most reliable and highest quality products available. All of our manufactured components are electro-coated for the prevention of corrosion and contamination from external conditions.

| Order Information (for STX, LPX Series)                                | Order Nr.  |
|--|------------|
| Slide transfer station for extended transfer reach motor up (170 mm)   | 9118 12 28 |
| Slide transfer station for double extended transfer reach (300 mm)     | 9111 07 81 |
| Custom size slide transfer station (specify transfer reach 300-1000mm) | 9118 12 30 |

| Order Information for STR602    | Order Nr.  |
|---------------------------------|------------|
| Slide transfer station          | 9141 01 94 |
| Slide and Turn transfer station | 9141 01 95 |

Function

## Shuttle Station

The function of the shuttle-station was designed for the elimination of "inter transfer module", space constants, and complications of adding robotic arms for distances of 170-1000mm. The source plates can be transferred from one work area to another with precision accuracy. This delivery system can be used for multiple functions and workstation designs

The components used are the most reliable and highest quality products available. All of our manufactured components are electro-coated for the prevention of corrosion and contamination from external conditions. The belt driven system ensures smooth transfer and accuracy of delivery.