VANSICHEN
LINEAR TECHNOLOGY

Track systems for FANUC

Content

Vansichen Linear Technology began selling linear components in 1993. The company has since grown into a dynamic team that guarantees quick, efficient advice for linear technology, ranging from standard components to customized components, and even complete projects. With this experience, we developed our track systems for FANUC robots. In this catalogue you can find our entire range of tracks and some examples of measure made projects that our engineers designed.

Printed 2018

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LINEAR TECHNOLOGY

7 reasons to choose our 7th axis

**Our robottracks move your robot precisely across the floor or through the air.
Here are the advantages of integrating a Vansichen track:**

- The robots can work at **100 % capacity** while moving along the track
- **Fast and easy** assembly on site
- Trackparts **up to 12 m** length
- Total length possible **up to 100 m** by connecting parts
- Lifetime **up to 100.000 km**
- High repetitive accuracy with speeds **up to 2m/s**
- The design can be **adapted to the customer's wishes**

Track systems for FANUC

The linear tracks, developed by Vansichen Linear Technology provide perfect guidance for your FANUC robots. Besides the extra dimension (they make additional movements possible), the tracks can be used to move products between various work-stations, always considering their perfect integration into your current production system. Vansichen Linear Technology has developed an extensive track system program for FANUC robots.

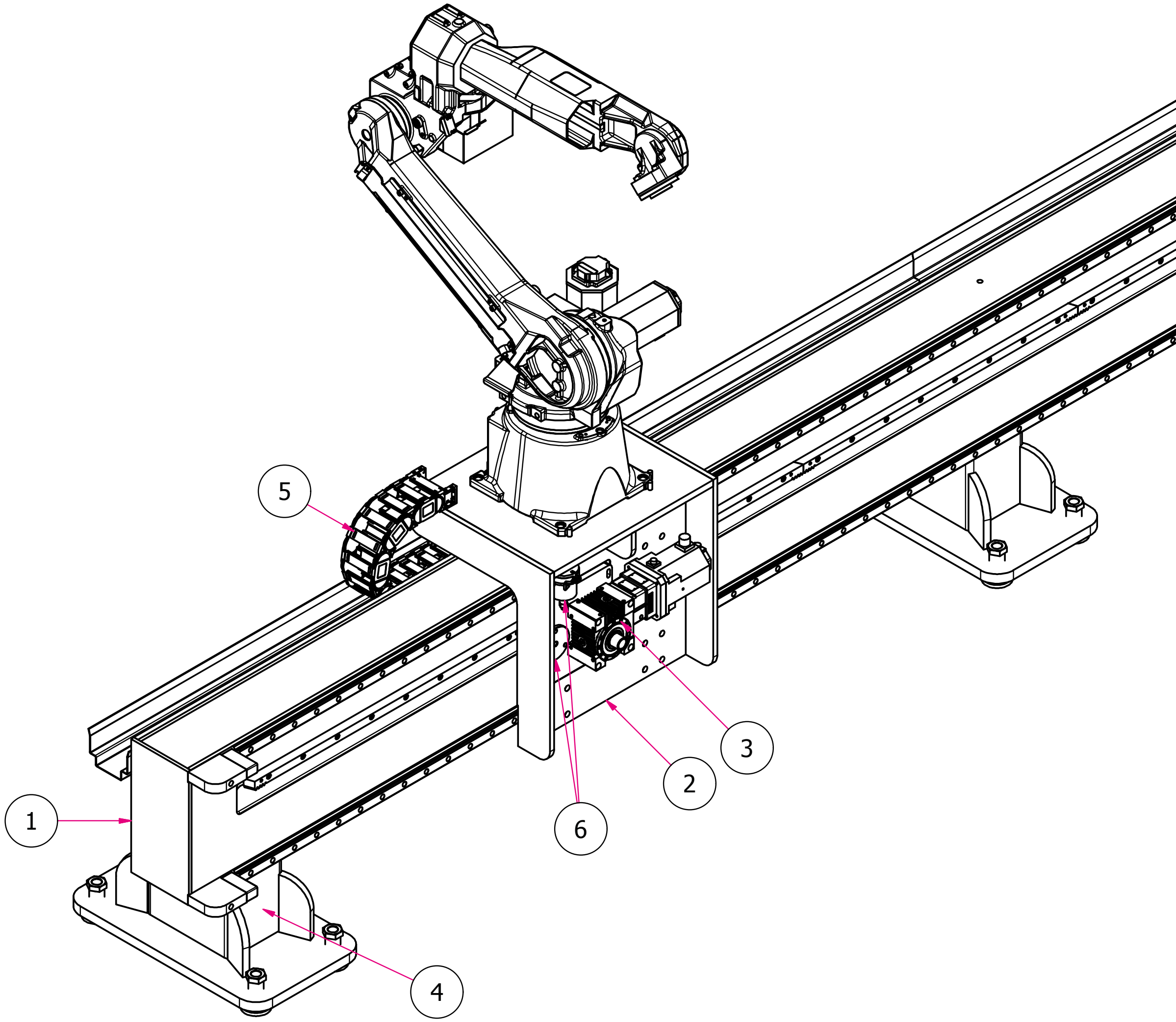
These can be integrated into a wide range of production situations. If the standard range of axes does not meet your specific requirements, Vansichen Linear Technology can develop custom-made track systems. Based on your specification, a track system will be designed with a non-standard speed, weight, precision, size or dirt-resistance. In this way, Vansichen Linear Technology is always able to produce an optimal solution for your application.

General

1. Beam / Base with guide ways, racks and leveling feet
2. Carriage with guide way carriages
3. Servo gearbox
4. Shock absorber
5. Energy chain
6. Felt pinion rack lubrication system

Optional

- Lubricating system for the complete axis
- Electrical power rail system instead of energy chain
- Custom made support columns
- Additional carriage on the track
- Additional swiveling and movement axis
- Tracks for special environments (Stainless steel, cleanroom ISO6)
- Powder coating



Our Partners

FANUC ATLANTA

DLS SCHMIERSYSTEME DIRECT LUBRICATION SYSTEMS

igus® plastics for longer life

HIWIN® Motion Control & Systems

OVERVIEW

Track systems for FANUC

	LR Mate Series	M-10 Series			M-20 Series		
Type	**UT25**	**AT35**			**AT35**		
Mounting Position	FLOOR	FLOOR	CEILING	WALL	FLOOR	CEILING	WALL
PAGE NUMBER	6-7	8-9	10-11	12-13	8-9	10-11	12-13
Expected lifetime	100.000 km	100.000 km			100.000 km		
Proper carriage mass	50 kg	130 - 180 kg			130 - 180 kg		
Max. velocity	2 m/s	2 m/s			2 m/s		
Max. acc - deceleration	2 m/s²	2 m/s²			2 m/s²		
Max. travellength	100 m	100 m			100 m		

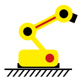
OVERVIEW

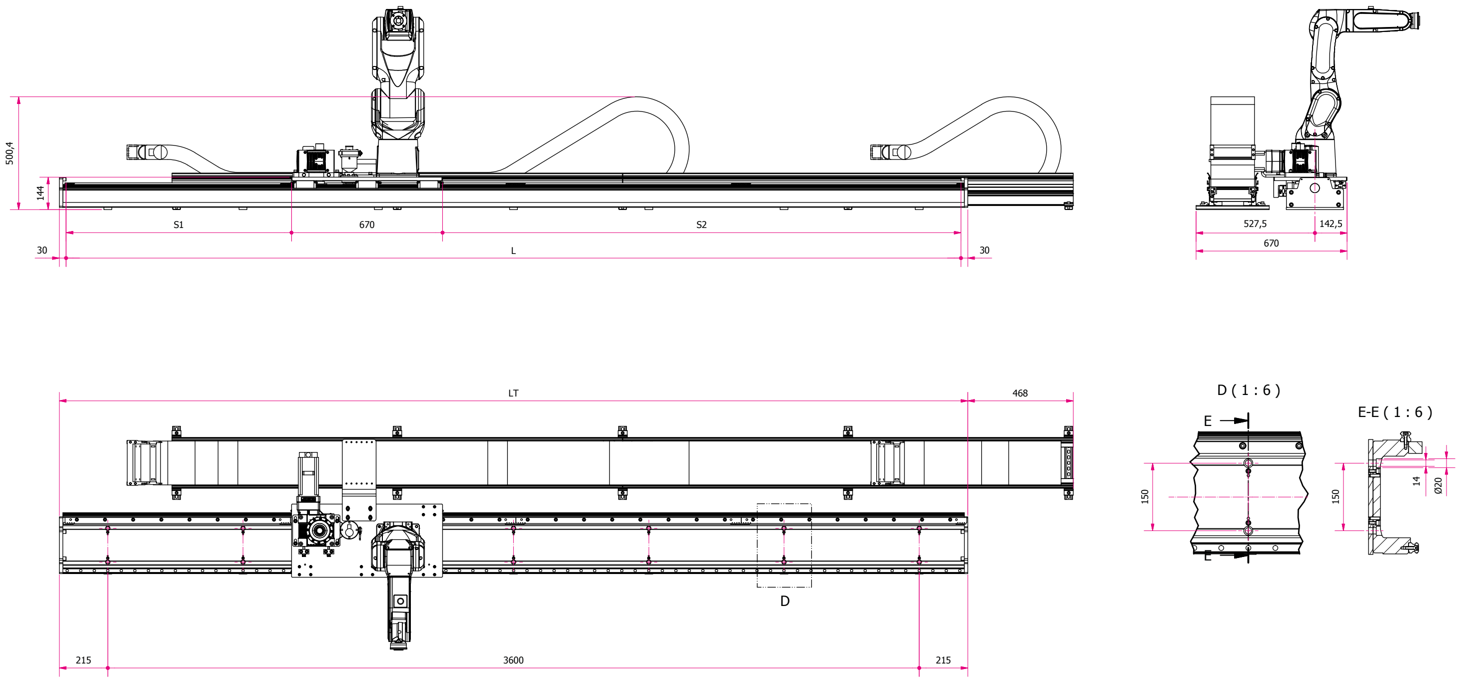
Track systems for FANUC

	M-410 Series	M-710 Series			M-900 Series
Type	**FT45 // FT55**	**AT55**			**FT55**
Mounting Position	FLOOR	FLOOR	CEILING	WALL	FLOOR
PAGE NUMBER	20-21 // 26-27	14-15	16-17	18-19	26-31
Expected lifetime	10.000 - 20.000km	50.000 km			10.000 km
Proper carriage mass	300 - 400 kg	330 - 600 kg			400 kg
Max. velocity	2 m/s	2 m/s			2 m/s
Max. acc - deceleration	2 m/s²	2 m/s²			2 m/s²
Max. travellength	100 m	100 m			100 m

	M-2000 Series	R-1000 Series			R-2000 Series
Type	**FT65**	**AT55**			**FT45**
Mounting Position	FLOOR	FLOOR	CEILING	WALL	FLOOR
PAGE NUMBER	32-33	14-15	16-17	18-19	20-25
Expected lifetime	10.000 km	50.000 km			20.000 km
Proper carriage mass	3500 kg	330 - 600 kg			300 kg
Max. velocity	1 m/s	2 m/s			2 m/s
Max. acc - deceleration	1 m/s²	2 m/s²			2 m/s²
Max. travellength	100 m	100 m			100 m

UT25

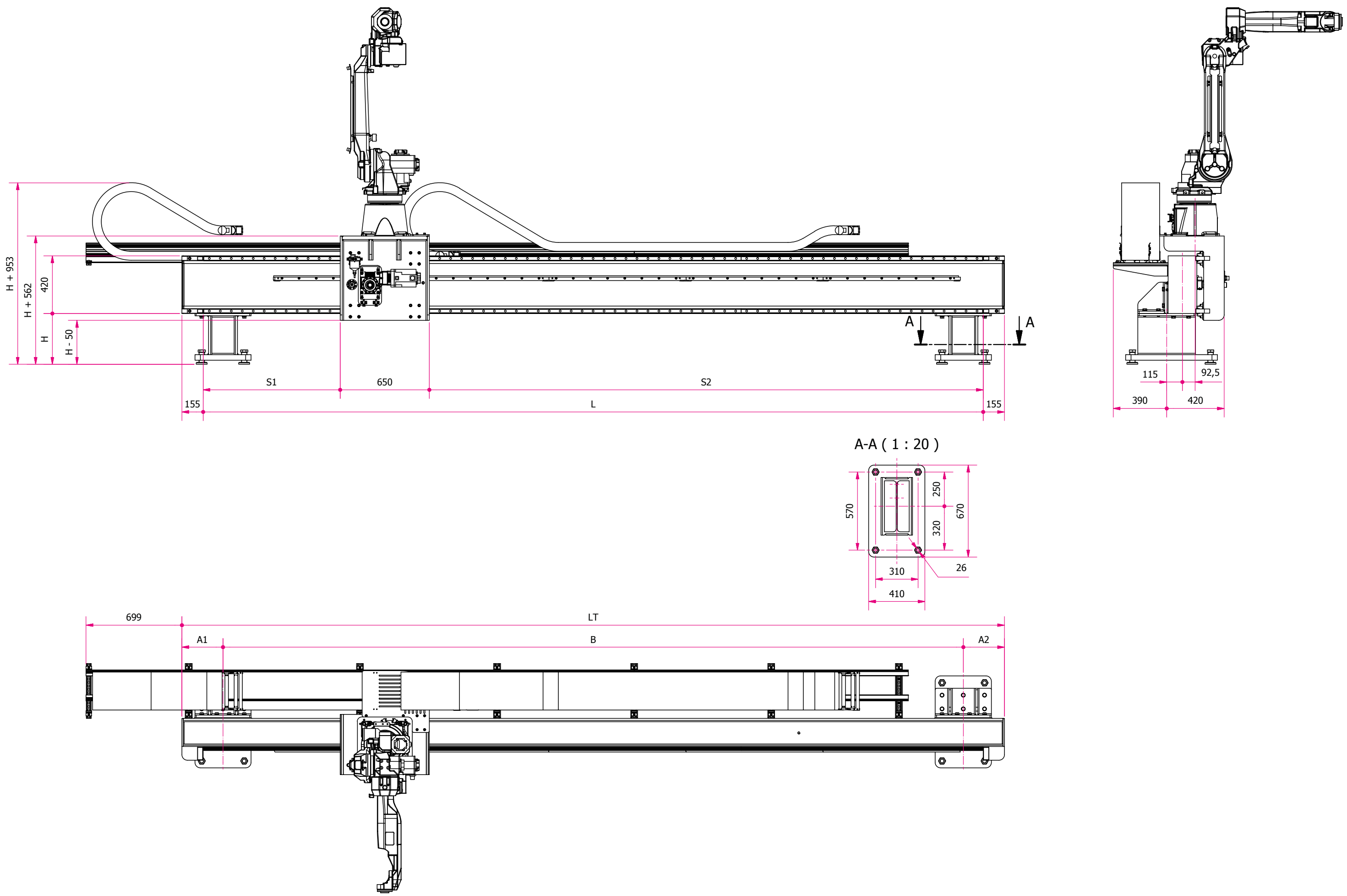
Robottrack UT25	
Mounting Position	 FLOOR
Suitable FANUC Robots	
LR Mate Series	●
Proper carriage mass	50 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	730



AT35-F

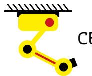
Robottrack AT35-F

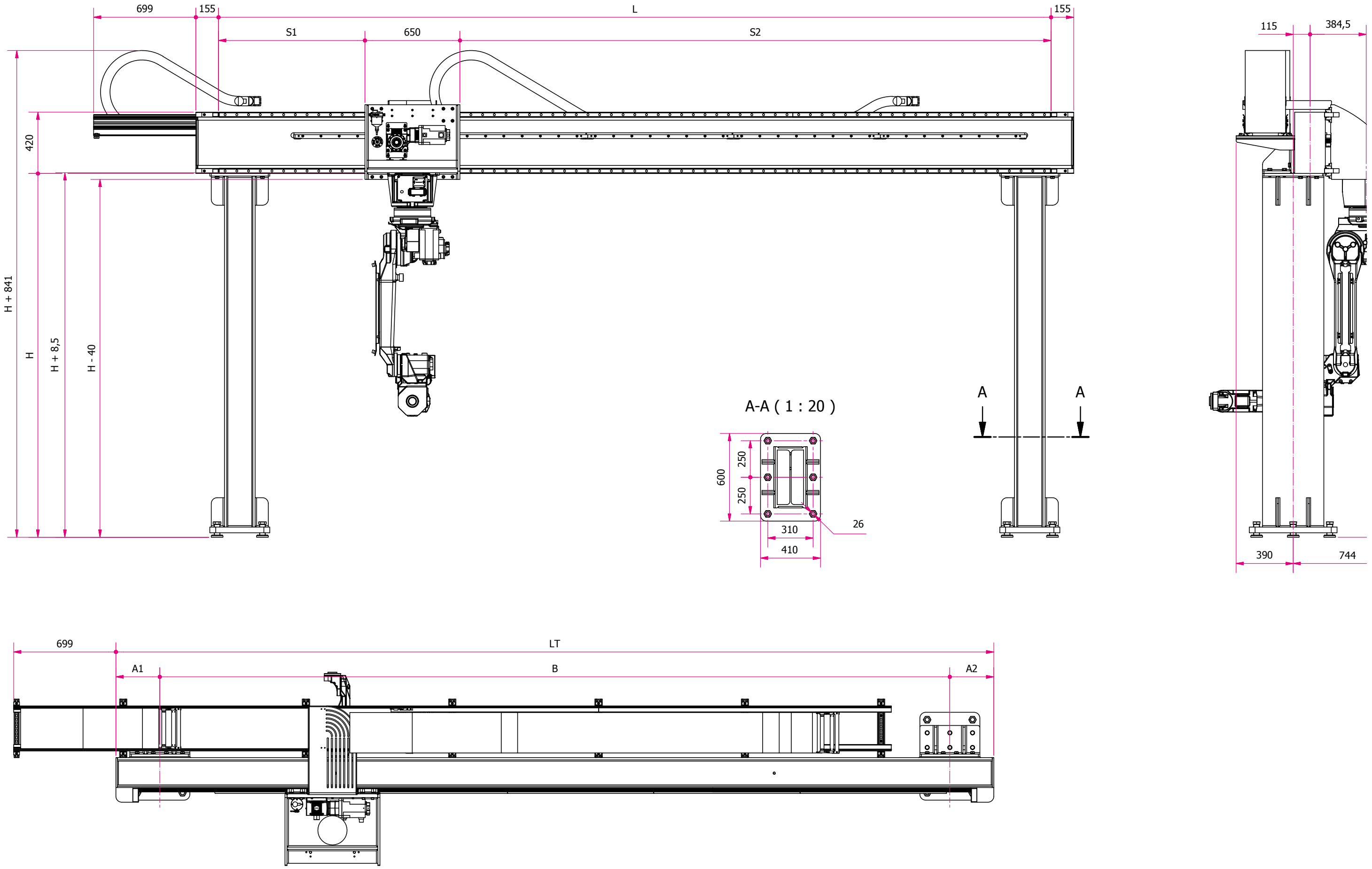
Mounting Position	FLOOR
Suitable FANUC Robots	
M-10 Series	●
M-20 Series	●
Proper carriage mass	170 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	960
Overhang	min. 300 - max. 1000
Center distance column	max. 4000
Height under beam	min. 200 - max. 3000



AT35-C

Robottrack AT35-C

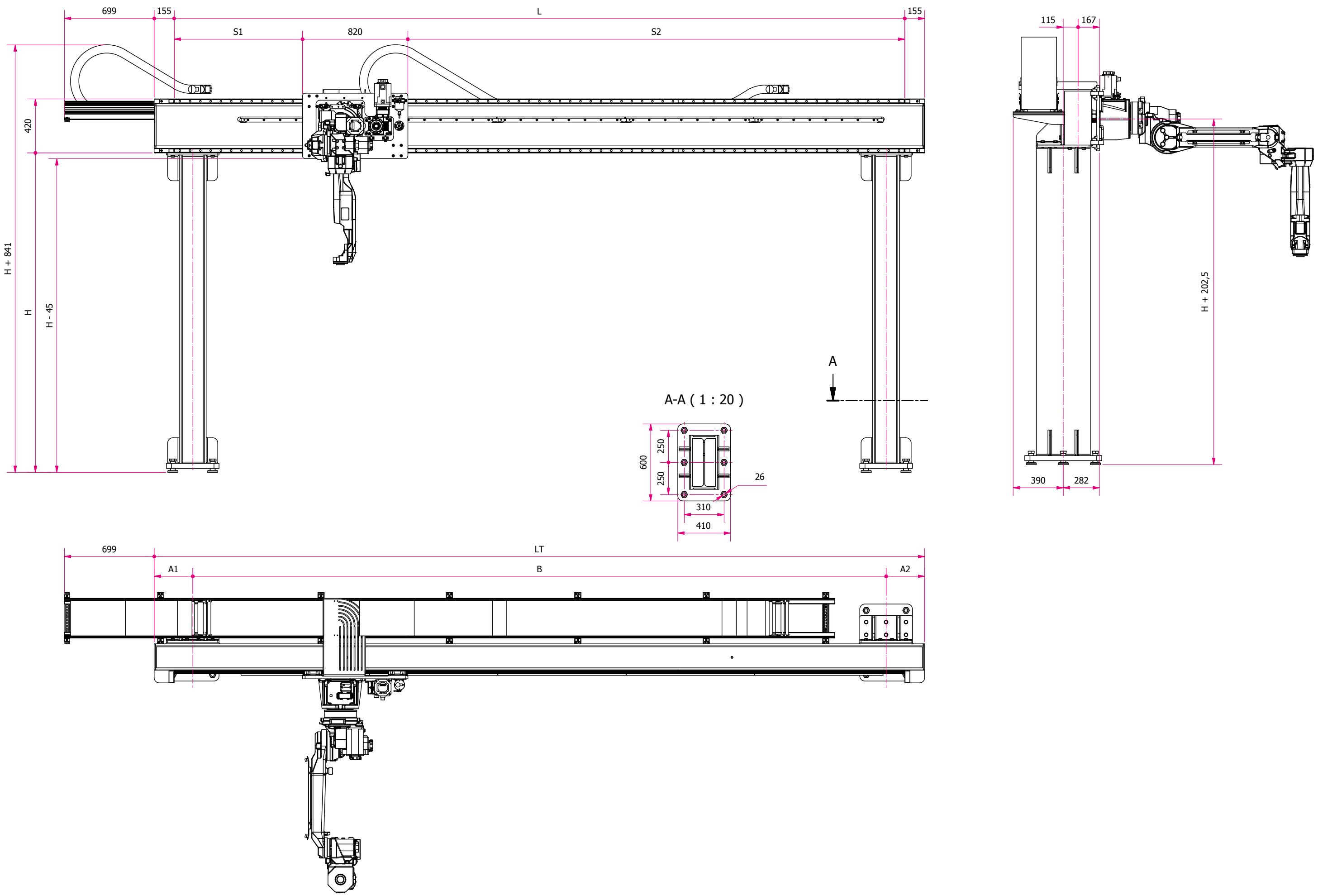
Mounting Position	 CEILING
Suitable FANUC Robots	
M-10 Series	●
M-20 Series	●
Proper carriage mass	180 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	960
Overhang	min. 300 - max. 1000
Center distance column	max. 7000
Height under beam	min. 200 - max. 3000



AT35-W

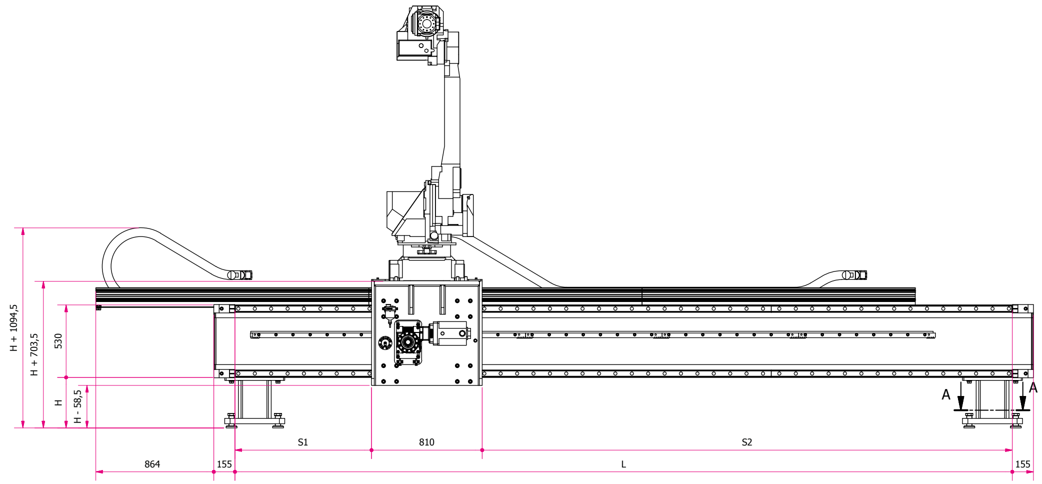
Robottrack AT35-W

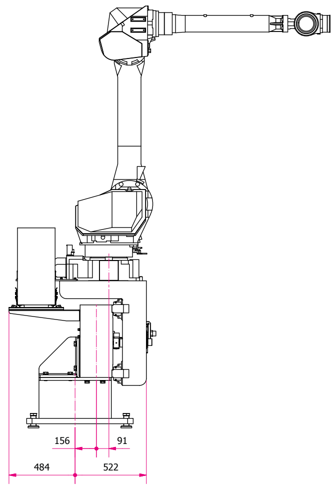
Mounting Position	WALL
Suitable FANUC Robots	
M-10 Series	●
M-20 Series	●
Proper carriage mass	130 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1130
Overhang	min. 300 - max. 1000
Center distance column	max. 7000
Height under beam	min. 200 - max. 3000

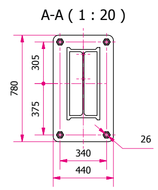


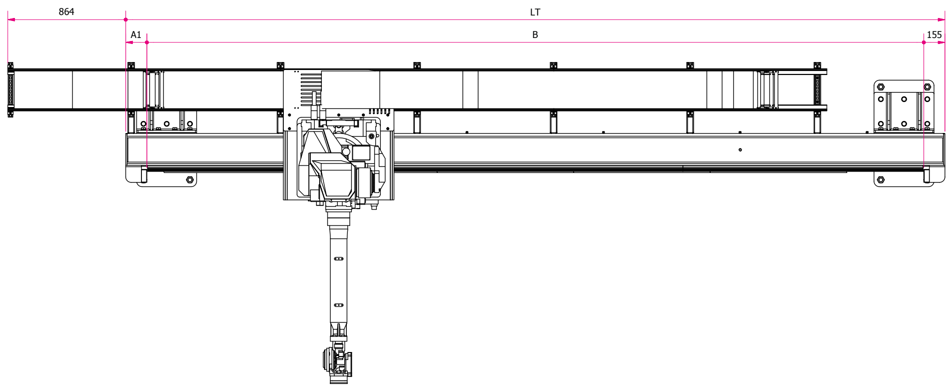
AT55-F

Robottrack AT55-F	
Mounting Position	FLOOR
Suitable FANUC Robots	
M-710 Series	●
R-1000 Series	●
Proper carriage mass	530 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1120
Overhang	min. 300 - max. 1000
Center distance column	max. 7500
Height under beam	min. 200 - max. 3000



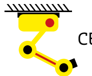


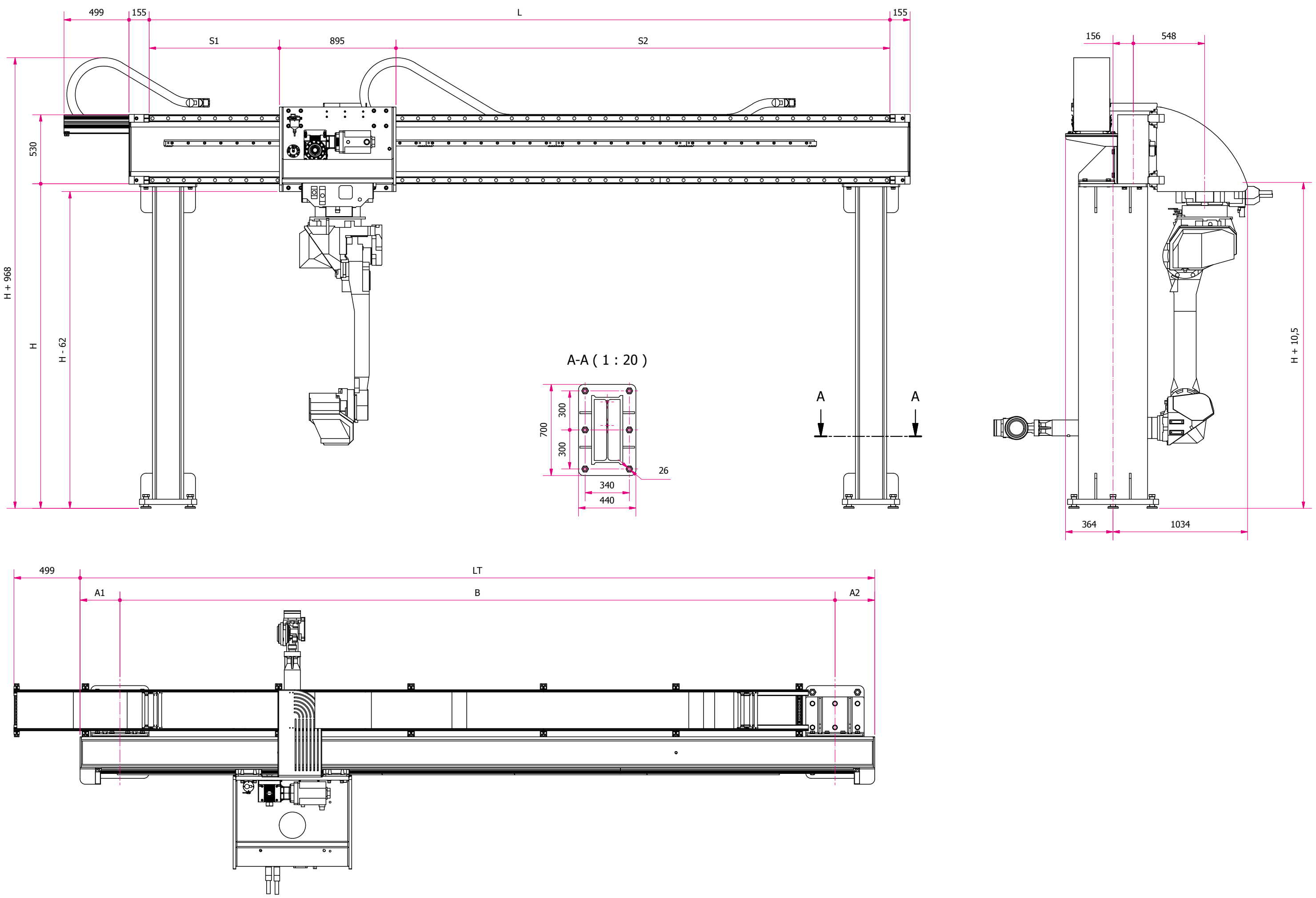




AT55-C

Robottrack AT55-C

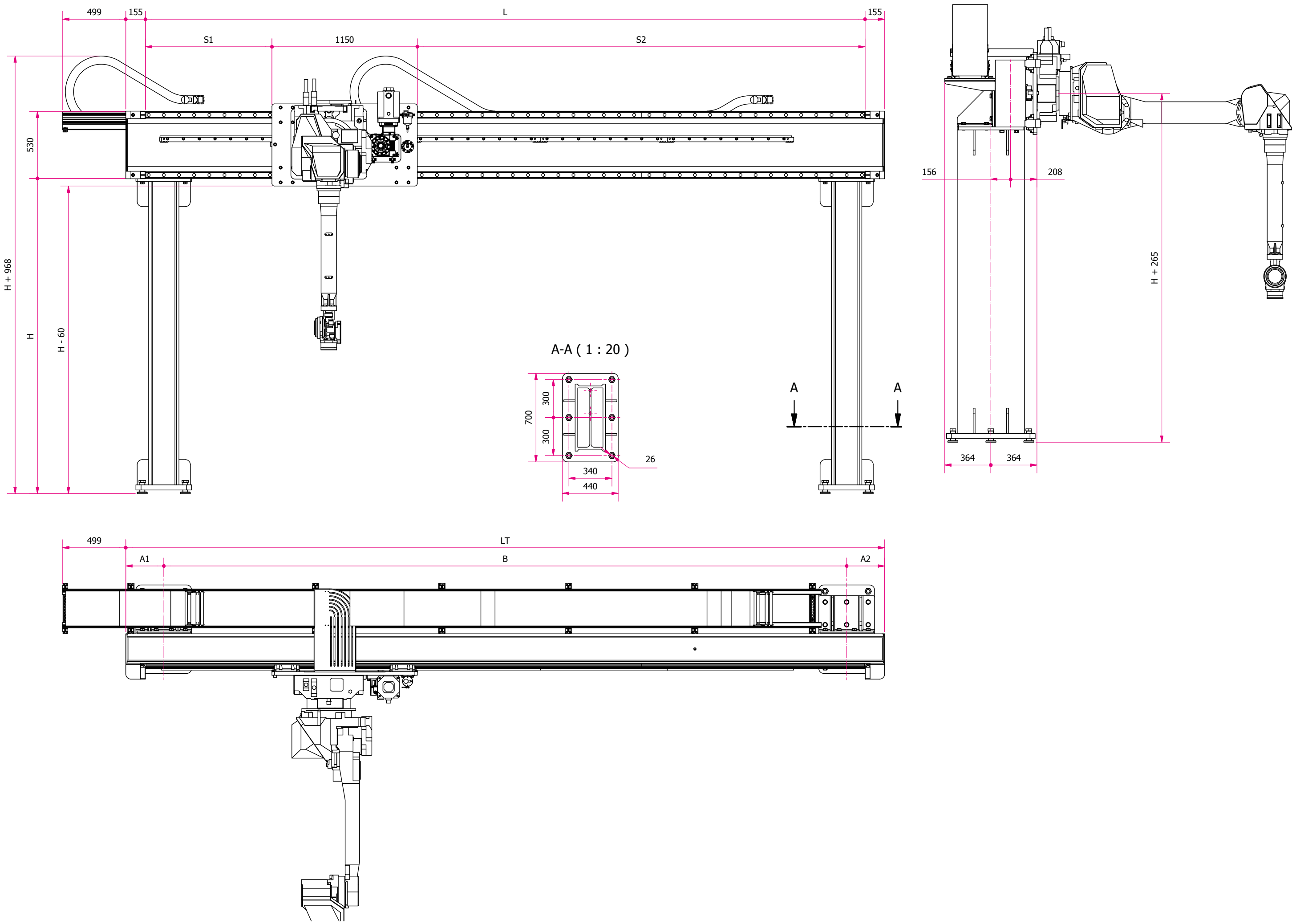
Mounting Position	 CEILING
Suitable FANUC Robots	
M-710 Series	●
R-1000 Series	●
Proper carriage mass	600 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1205
Overhang	min. 300 - max. 1000
Center distance column	max. 7500
Height under beam	min. 200 - max. 3000



AT55-W

Robottrack AT55-W

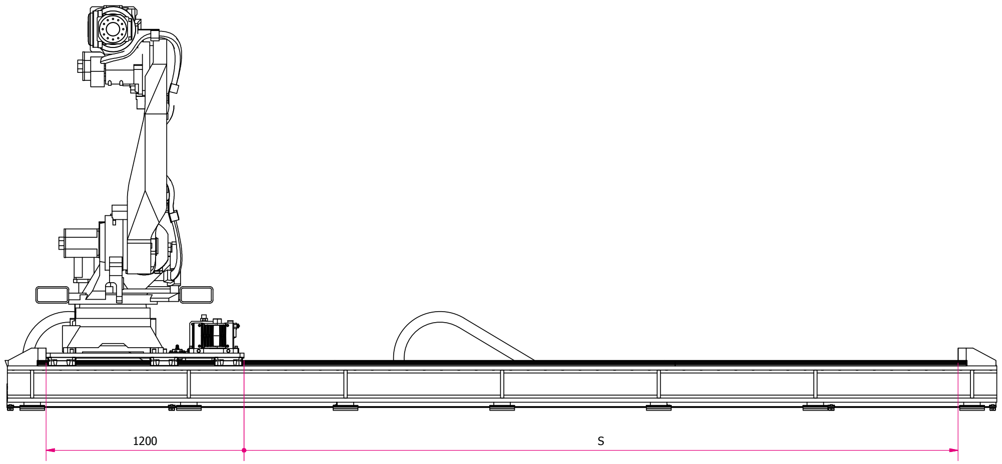
Mounting Position	WALL
Suitable FANUC Robots	
M-710 Series	●
R-1000 Series	●
Proper carriage mass	330 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1460
Overhang	min. 300 - max. 1000
Center distance column	max. 7500
Height under beam	min. 200 - max. 3000

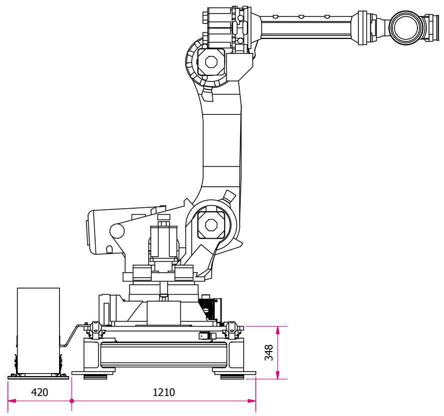


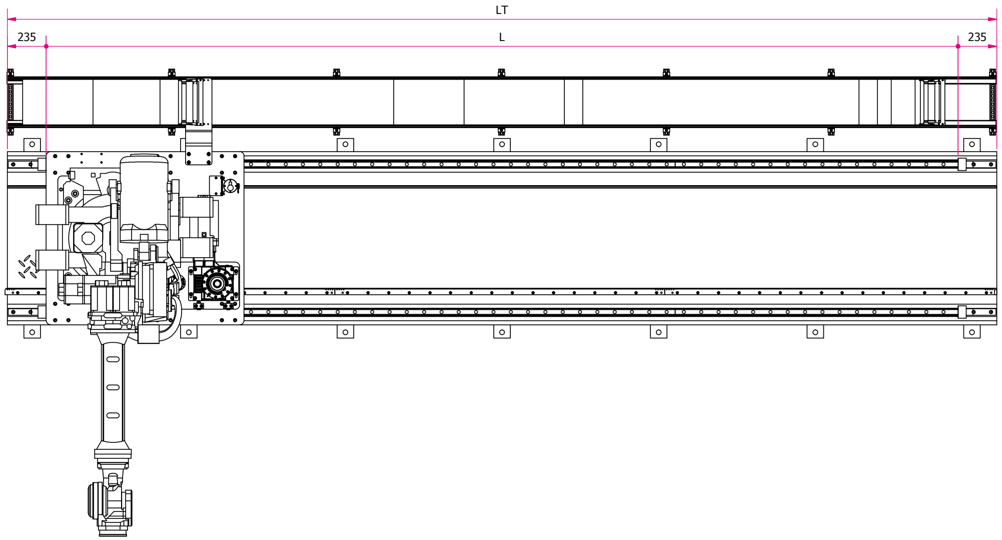
FT45

Robottrack FT45

Mounting Position	FLOOR
Suitable FANUC Robots	
M-410 Series	●
R-2000 Series	●
Proper carriage mass	300 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1670



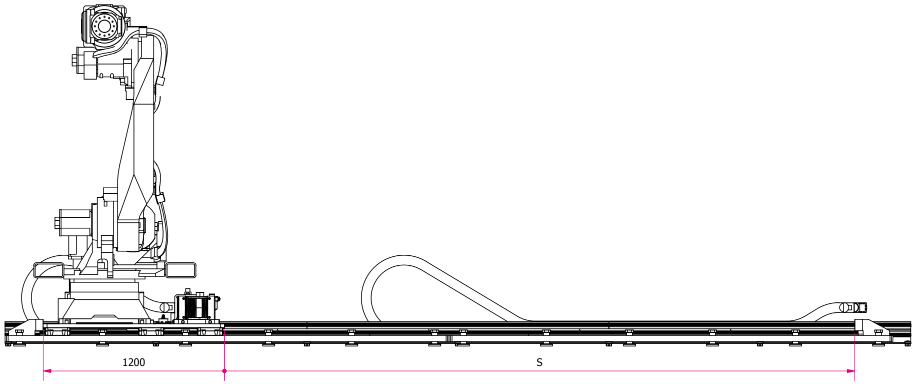


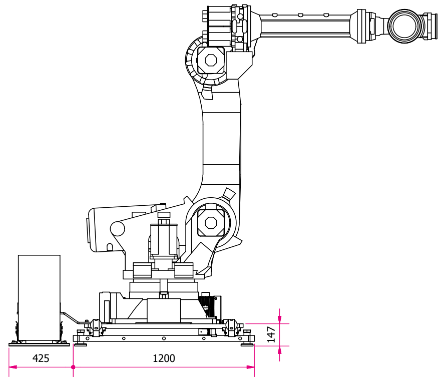


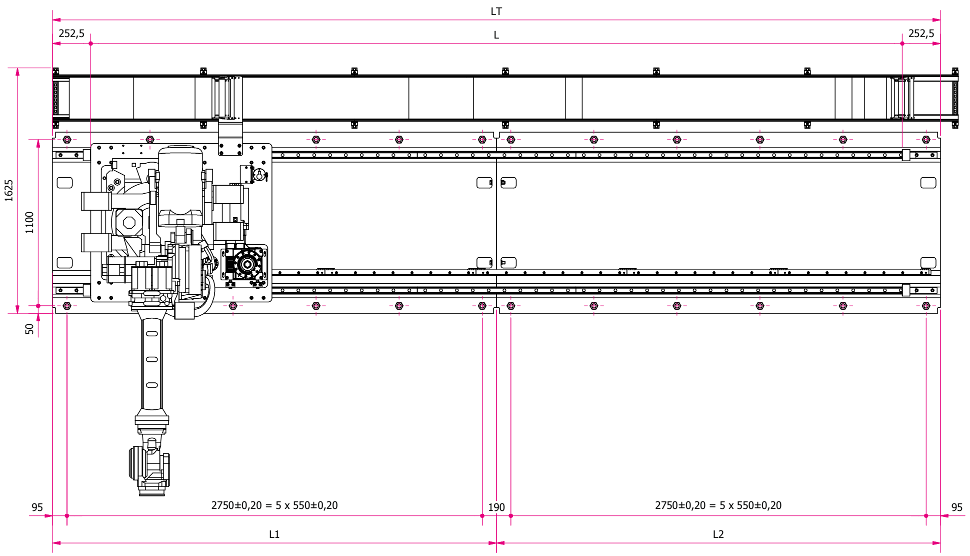
FT45-FL

Robottrack FT45-FL

Mounting Position	FLOOR
Suitable FANUC Robots	
R-2000 Series	●
Proper carriage mass	300 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1705



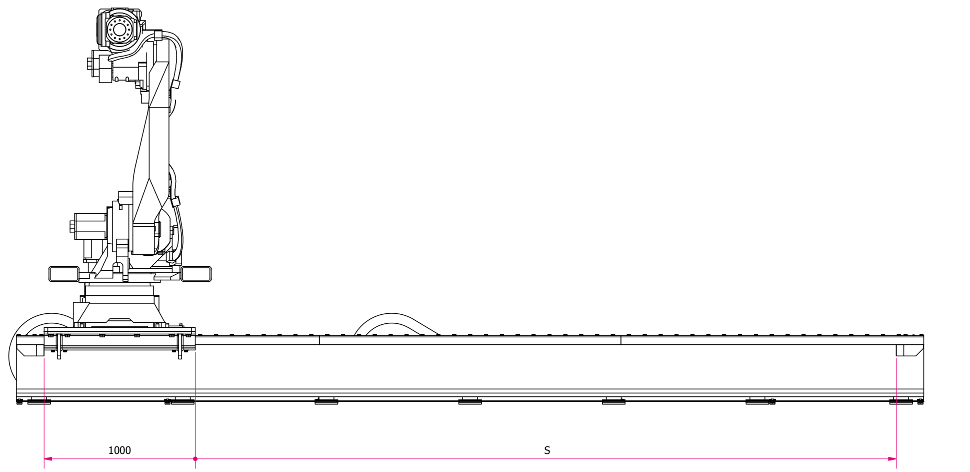


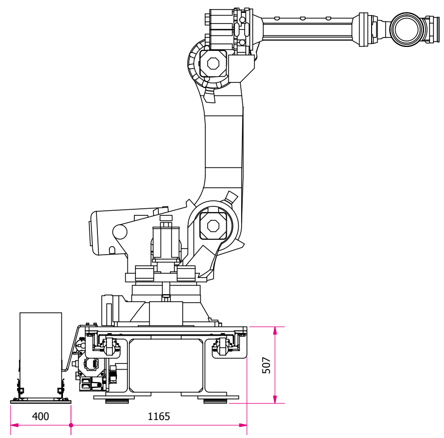


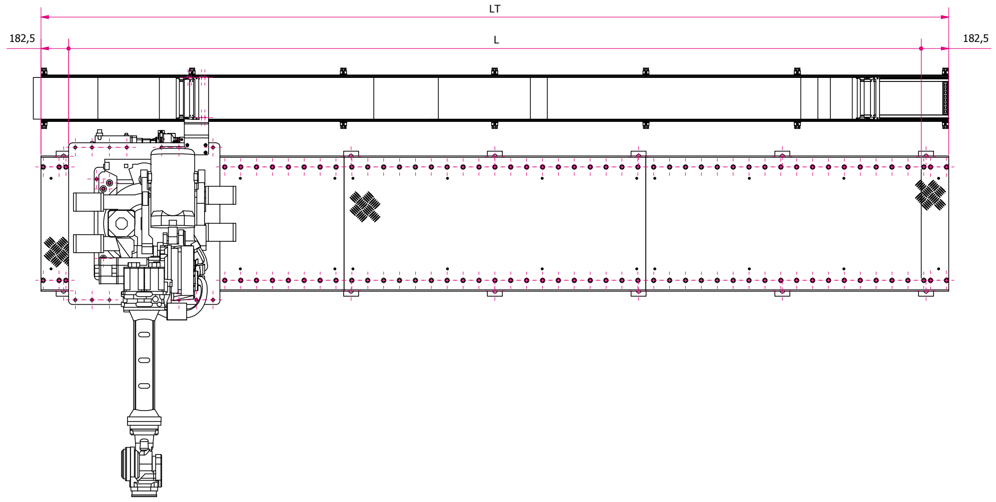
FT45-CO

Robottrack FT45-CO

Mounting Position	FLOOR
Suitable FANUC Robots	
R-2000 Series	●
Proper carriage mass	300 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1365



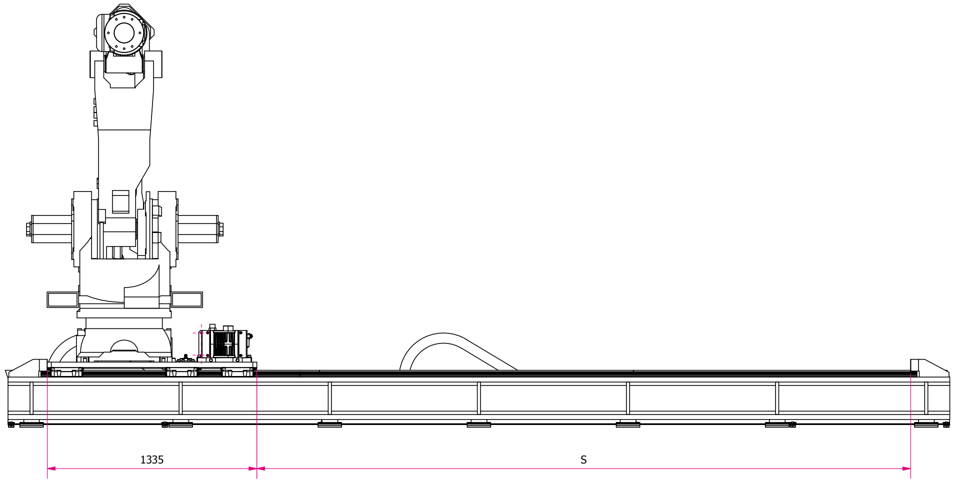


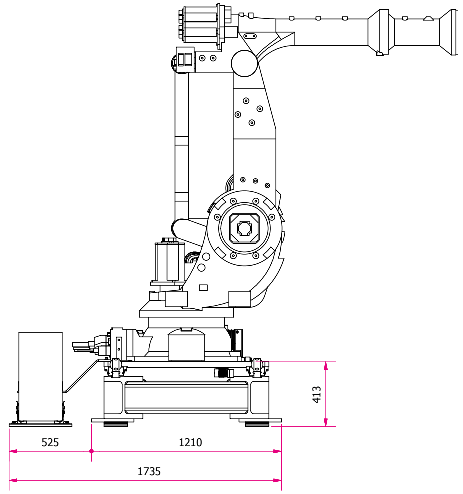


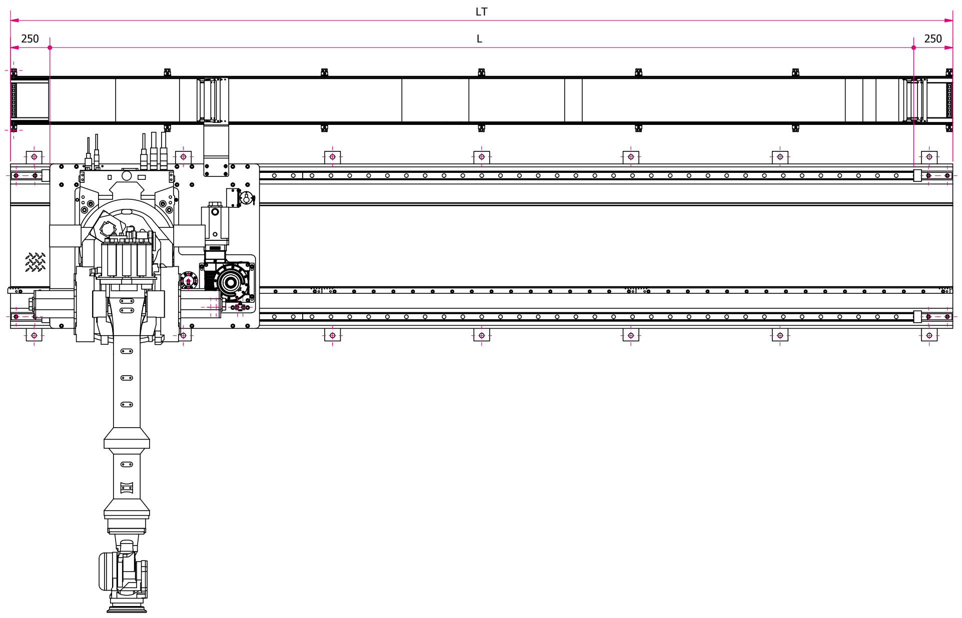
FT55

Robottrack FT55

Robottrack FT55	
Mounting Position	FLOOR
Suitable FANUC Robots	
M-410 Series	●
M-900 Series	●
Proper carriage mass	400 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1835



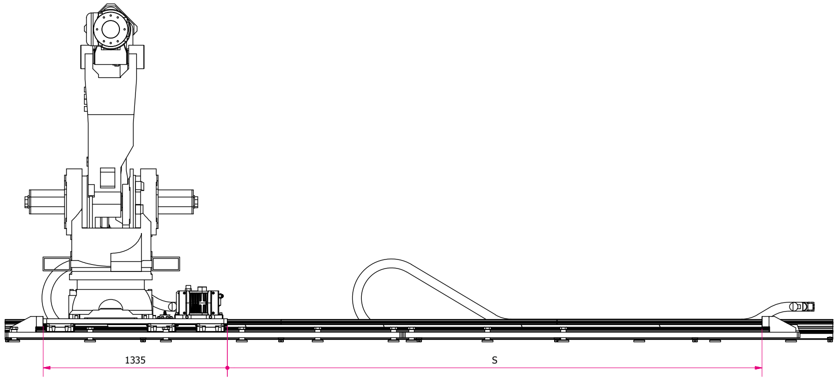


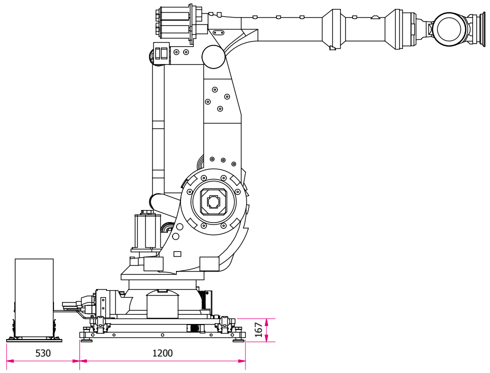


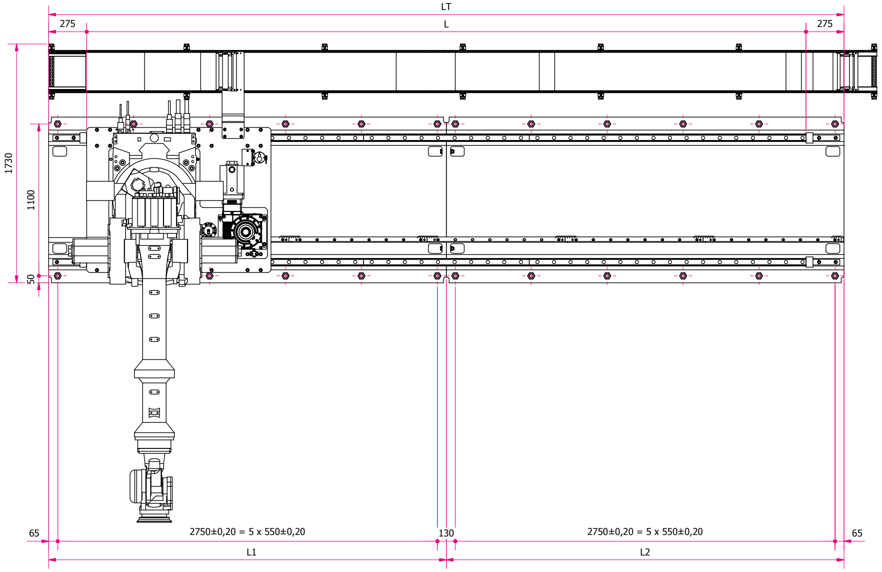
FT55-FL

Robottrack FT55-FL

Mounting Position	FLOOR
Suitable FANUC Robots	
M-900 Series	●
Proper carriage mass	400 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1885



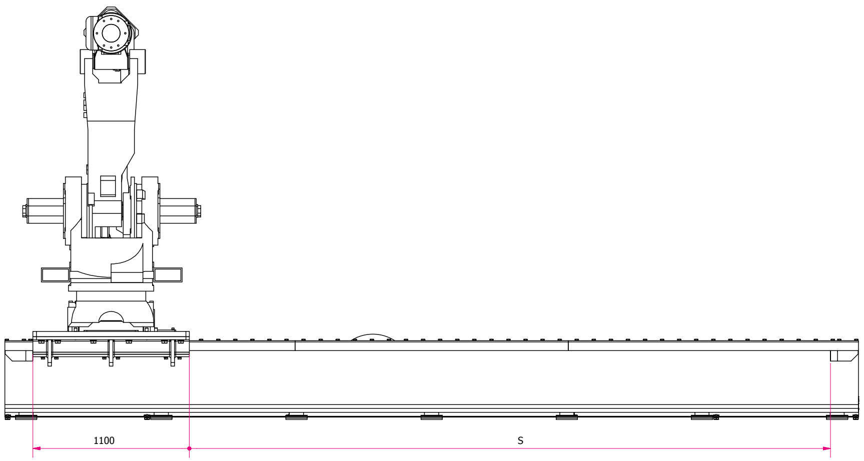


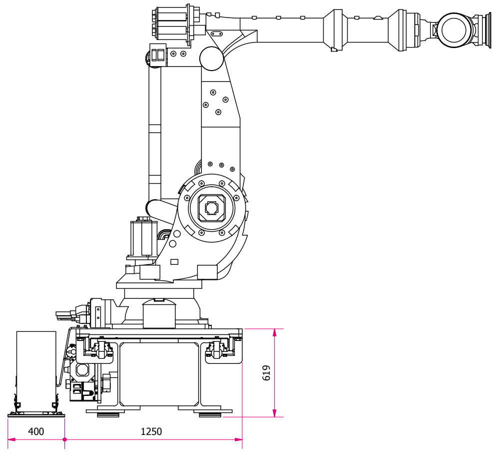


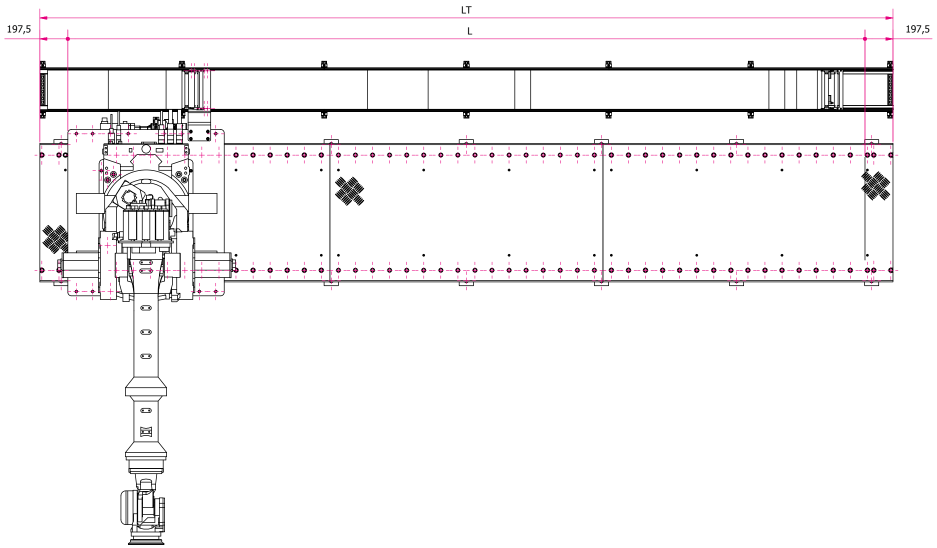
FT55-CO

Robottrack FT55-CO

Mounting Position	FLOOR
Suitable FANUC Robots	
M-900 Series	●
Proper carriage mass	400 kg
Max. velocity	2 m/s
Max. acc - deceleration	2 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	1495



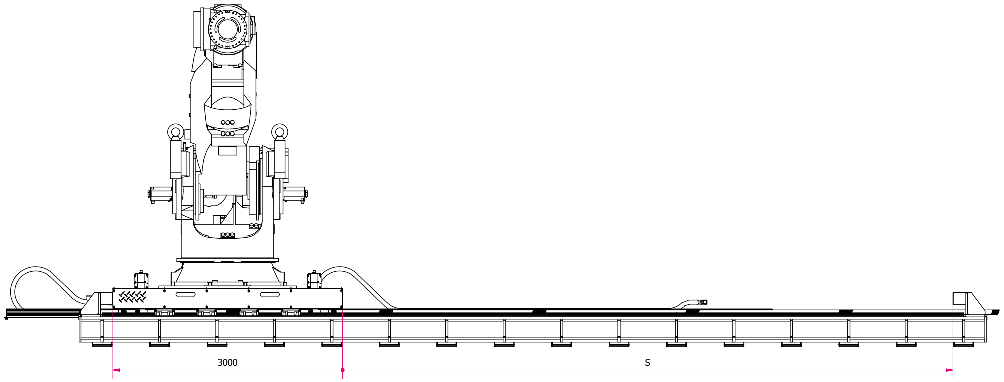


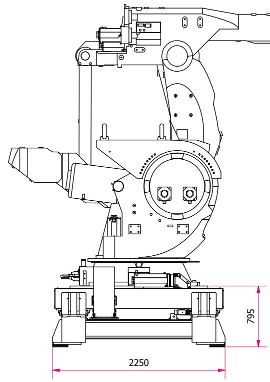


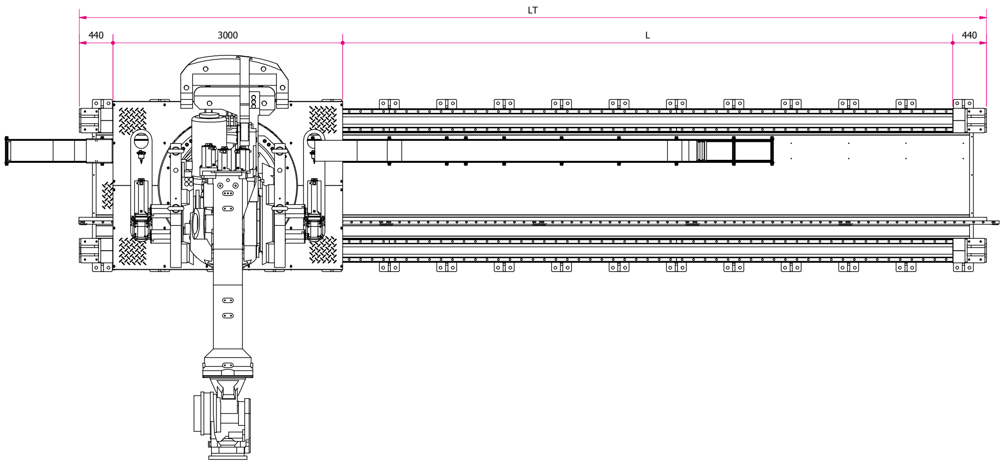
FT65

Robottrack FT65

Mounting Position	FLOOR
Suitable FANUC Robots	
M-2000 Series	●
Proper carriage mass	3500 kg
Max. velocity	1 m/s
Max. acc - deceleration	1 m/s²
Repeatability	±0,03 mm
Max. travellength	100 m
Basic length	3880







CUSTOM DESIGNED

Telescopic robottrack

M-900iA-260L // Total Length 7500 mm

Stroke 5000 mm

CUSTOM DESIGNED

Swivelling Axis

R-2000iB-165F // Overhang 1600 mm

Rotation 180º

CUSTOM DESIGNED

Stainless Steel robottrack

M-710iC-50 // Total Length 7000 mm

Stroke 5200 mm

CUSTOM DESIGNED

XY robottrack
R-2000iB-165F // Total Length 8600 mm
Stroke X 6000 mm // Stroke Y 2000 mm

CUSTOM DESIGNED

Cleanroom ISO6 robottrack

LR Mate 200 iD/7C // Total Length 6640 mm

Stroke 5600 mm

CUSTOM DESIGNED

Welding track

AM-120 iC // Total length 6000 mm
Stroke 5600 mm


FT45

FT55

AT35-C

FT45

DEMAG
AT35-W

FT45-FL


FT55


AT35-W


AT35-C


FT55

Track systems for **FANUC**

VANSICHEN
LINEAR TECHNOLOGY

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