



VANSICHEN
LINEAR TECHNOLOGY

Track systems
for **FANUC**

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ABOUT VANSICHEN LINEAR TECHNOLOGY

Vansichen Linear Technology began selling linear components in 1993. The company has since grown into a dynamic team that guarantees quick and efficient advice for linear technology ranging from standard components to customized components and even complete projects. Since 1998 SimKon by Vansichen has been the specialist for linear travelling axes for industrial robots.

With lots of experience in the automotive industry, as well as workpiece positioning using rotary and rotary-tilting tables. With this combined experience we have compiled this catalogue with tracksystems for FANUC robots. The purpose of this catalogue is to give a complete overview of all the possibilities we offer when moving a FANUC robot. This can go from very dirty to cleanroom conditions and even for paint applications. If you do not find the right solution for your project here, just contact us! Our team is at your disposal!

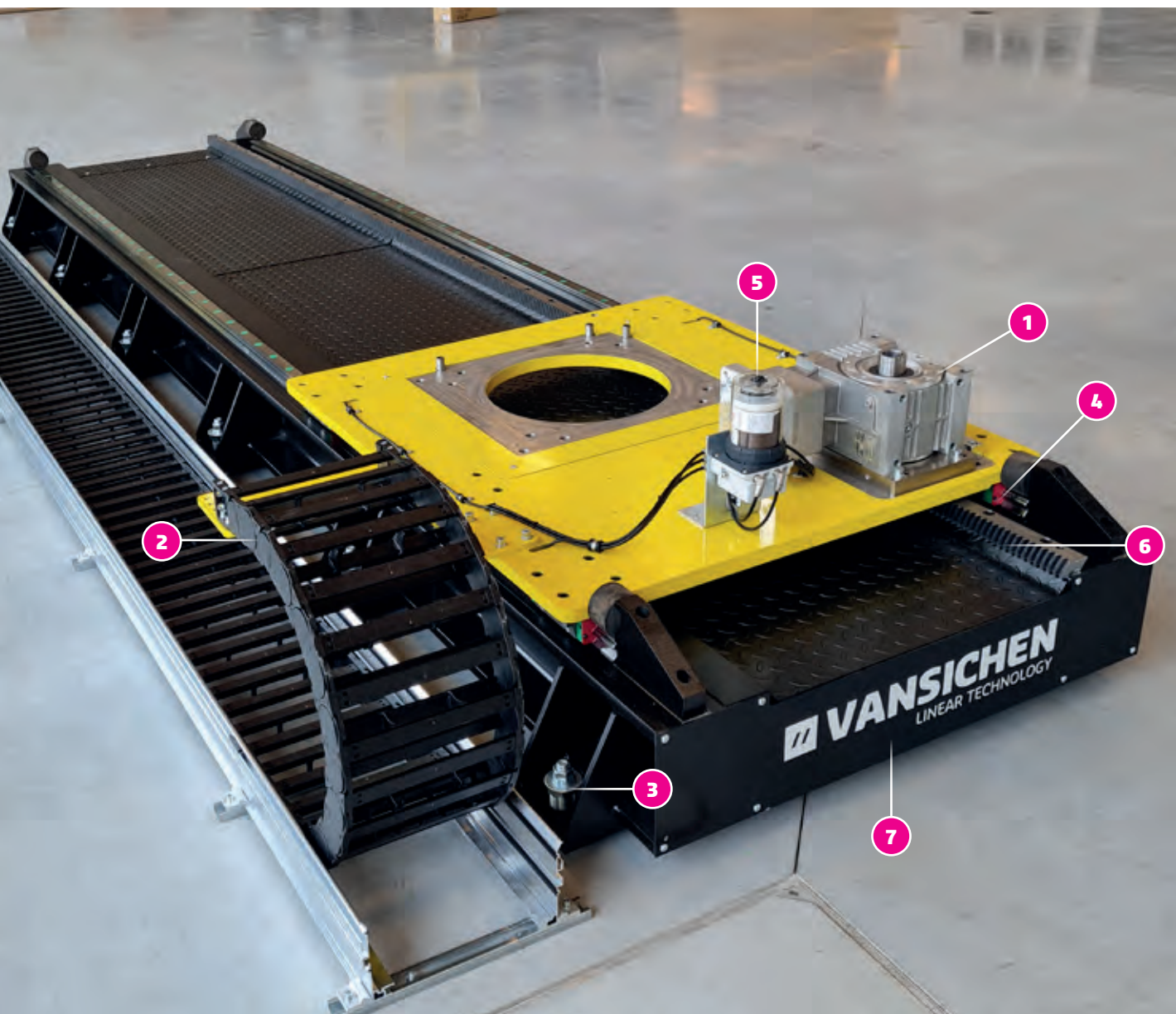


7 reasons to choose our 7th axis

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

1. The robots can work at **100% capacity** while moving along the track
2. **Fast and easy** assembly on site
3. Trackparts **up to 12 m** length
4. Total length possible **up to 100 m** by connecting parts
5. Lifetime **up to 100.000 km**
6. High stiffness and repetitive accuracy with speeds **up to 4 m/s**
7. The design can be **adapted to the customer's wishes**



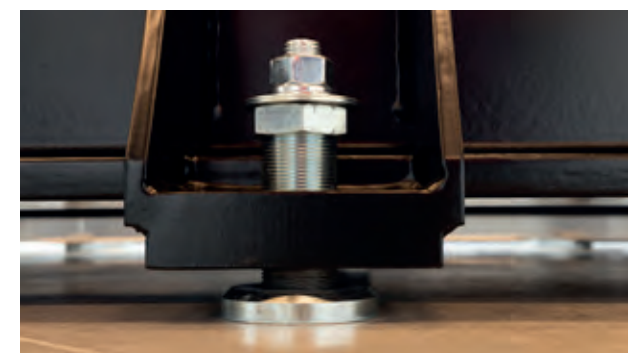


1. LOW BACKLASH GEARBOX

Planetary gearbox as an option // Motor sizing assistance



2. ENERGY SUPPLY CHAIN



3. EASY TO LEVEL ANCHORING SYSTEM

It allows to drill and anchor through the center of the jackbolt



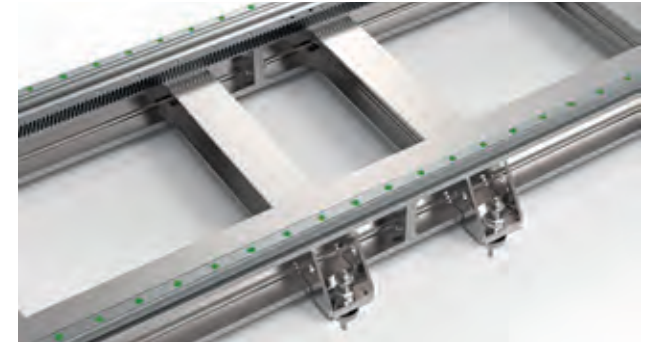
4. LINEAR GUIDEWAYS BALL TYPE

Sized for long life
Extra seals on guiding blocks available



6. DRIVE VIA RACK AND PINION

Repeatability ± 0.03 mm
Higher accuracy is available as an option



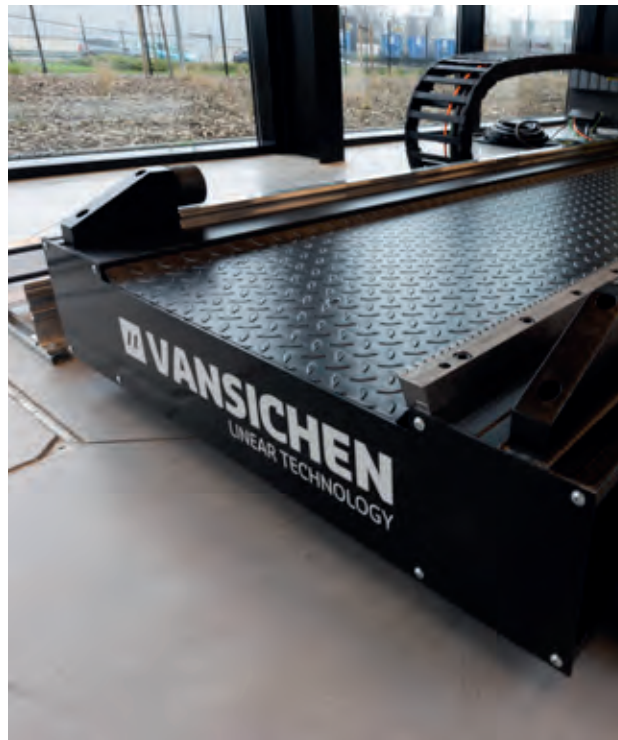
8. TORSIONALLY STIFF BASIC STRUCTURES

Coupling without airgap between the individual parts



5. LUBRICATION OF THE GUIDEWAYS & RACK

Via automatic central lubrication system



7. BASE FRAME WITH WALK-ON COVERS




Completely sealed by bellows on request

GENERAL OPTIONS

- // Higher accuracies
- // Higher acceleration and speed
- // Electrical rail power system
- // Additional carriages on the track
- // Powder coating
- // Free choice of energychain position
- // Custom made construction
- // Professional field assembly available
- // Condition Monitoring

OVERVIEW

Track systems for FANUC

FANUC Robot Type	 Floor	 Wall	 Ceiling
CRX-5iA CRX-10iA CRX-10iA/L CRX-20iA/L	FT25 P.6-7 / FT25-BD P.8 / FT25-BS P.9	AT25-W P.10-11	On request
LR-Mate Series	FT25 P.6-7 / FT25-BD P.8 / FT25-BS P.9	AT25-W P.10-11	On request
M-10 Series M-20 Series CRX-25iA	FT30-AL P.12-13 / FT35-AT P.14-15 / FT35 P.16-17 / AT35-F P.20-21 / FT35-CO P.18-19	AT35-W P.22-23	AT35-C P.24-25
Arc Mate Series	FT35* P.16-17 / FT35-CO P.18-19		
M-410iC/110 M-410iB/140H	FT45 P.26-27 / SRMC-1500-LC P.30-31 / SRMC-1500-3 P.28-29	-	-
M-410iC/185	FT45 P.26-27 / SRMC-1500-LC P.30-31 / SRMC-1500-3 P.28-29	-	-
M-410iC/315 M-410iC/500 M-410iC/700	FT55 P.36-37 / SRMC-4000-LC P.46-47	-	-
M-710 Series	FT35 P.16-17 / FT55-AT P.38-39 / AT55-F P.40-41 / SRMC-750-LC P.50-51 / SRMC-750-3 P.48-49 / FT35-CO P.18-19	AT55-W P.42-43	AT55-C P.44-45
M-900iB/280 M-900iB/280L M-900iB/360	FT45T** / FT55 P.36-37 / SRMC-2000-LC P.34-35 / SRMC-2000-3 P.32-33	On request	On request
M-900iB/400L M-900iB/700	FT55 P.36-37 / SRMC-4000-LC P.46-47	-	-
M-1000	FT55T** / FT65 P.52-53	-	-
M-2000iA/900L M-2000iA/1200	FT65 P.52-53	-	-
M-2000iA/1700L M-2000iA/2300	FT65-D P.54-55	-	-
R-1000 Series	FT35 P.16-17 / FT55-AT P.38-39 / AT55-F P.40-41 / SRMC-750-LC P.50-51 / SRMC-750-3 P.48-49 / FT45-CO P.56-57	-	AT55-C P.44-45
R-2000 Series	FT45 P.26-27 / SRMC-1500-LC P.30-31 / SRMC-1500-3 P.28-29	-	-
R-2000iC/210WE	Available on request	-	-
R-2000iC/220U	-	-	On request

* FT35: This track needs extra cover for welding applications.

** FT45T & FT55T: These are tracks with extra guiding blocks under the carriage. For use of these tracks, please contact us.

CUSTOM MADE TRACK SYSTEMS



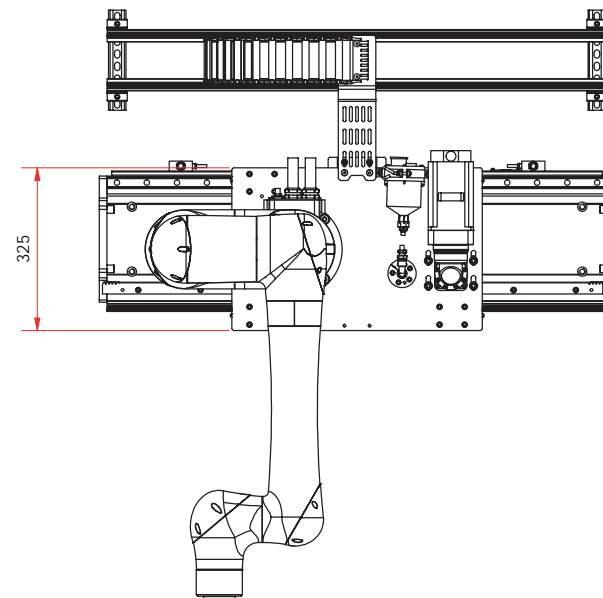
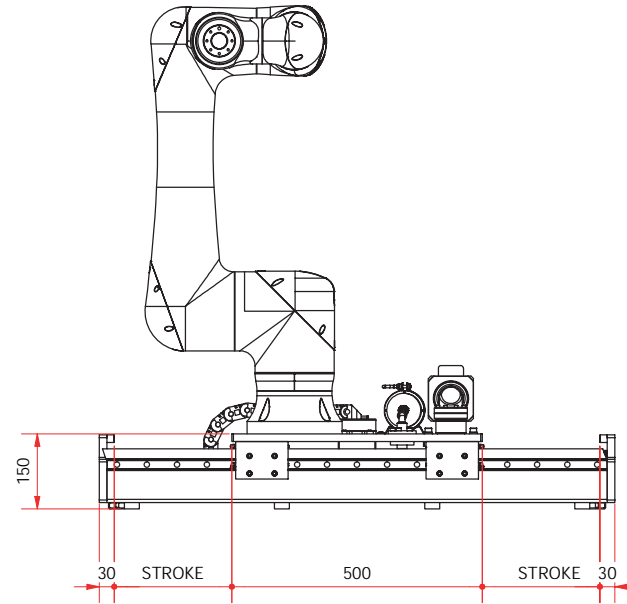


Robottrack FT25

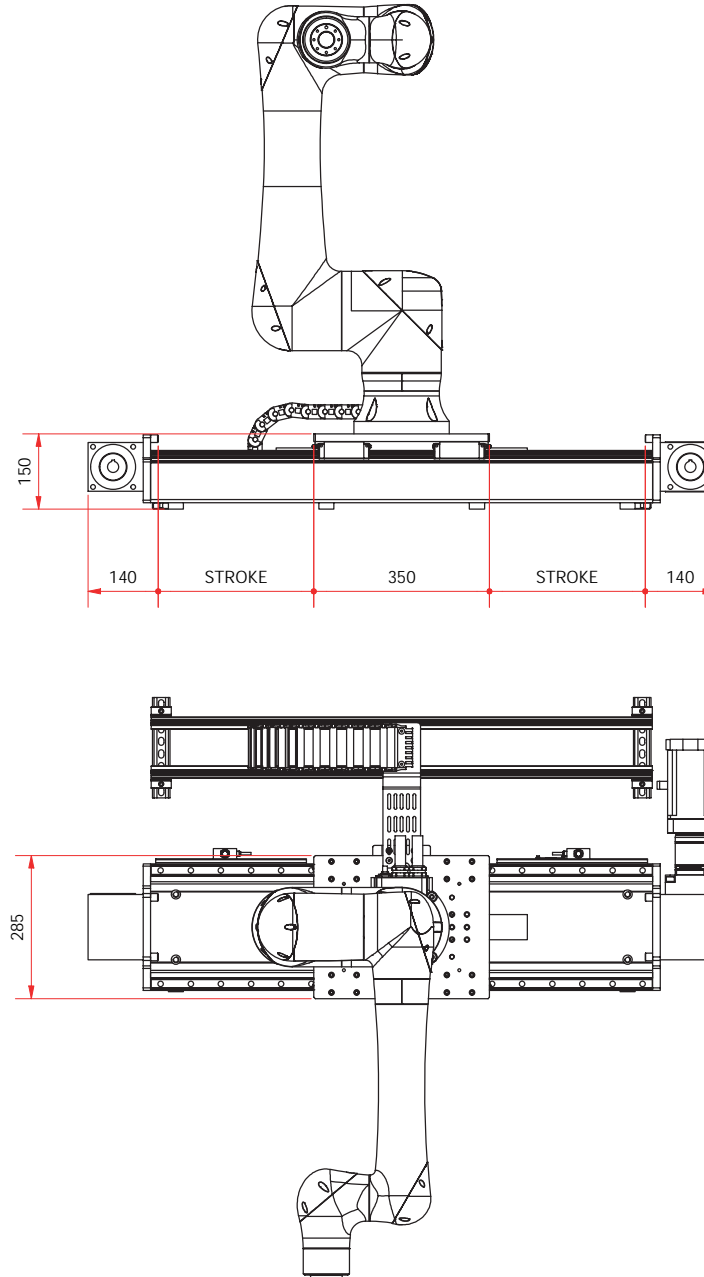
Mounting Position	 FLOOR
Mass axis	90 kg/m
Guiding railsize	25
Driving System	Rack M3
Acceleration	3 m/s ²
Speed	3 m/s

Suitable FANUC Robots

CRX-5iA
CRX-10iA
CRX-10iA/L
CRX-20iA/L



FT25-BD



Robottrack FT25-BD

Mounting Position	 FLOOR
Mass axis	75 kg/m
Guiding railsize	25
Driving System	Belt 8M50
Acceleration	3 m/s ²
Speed	3 m/s

Suitable FANUC Robots

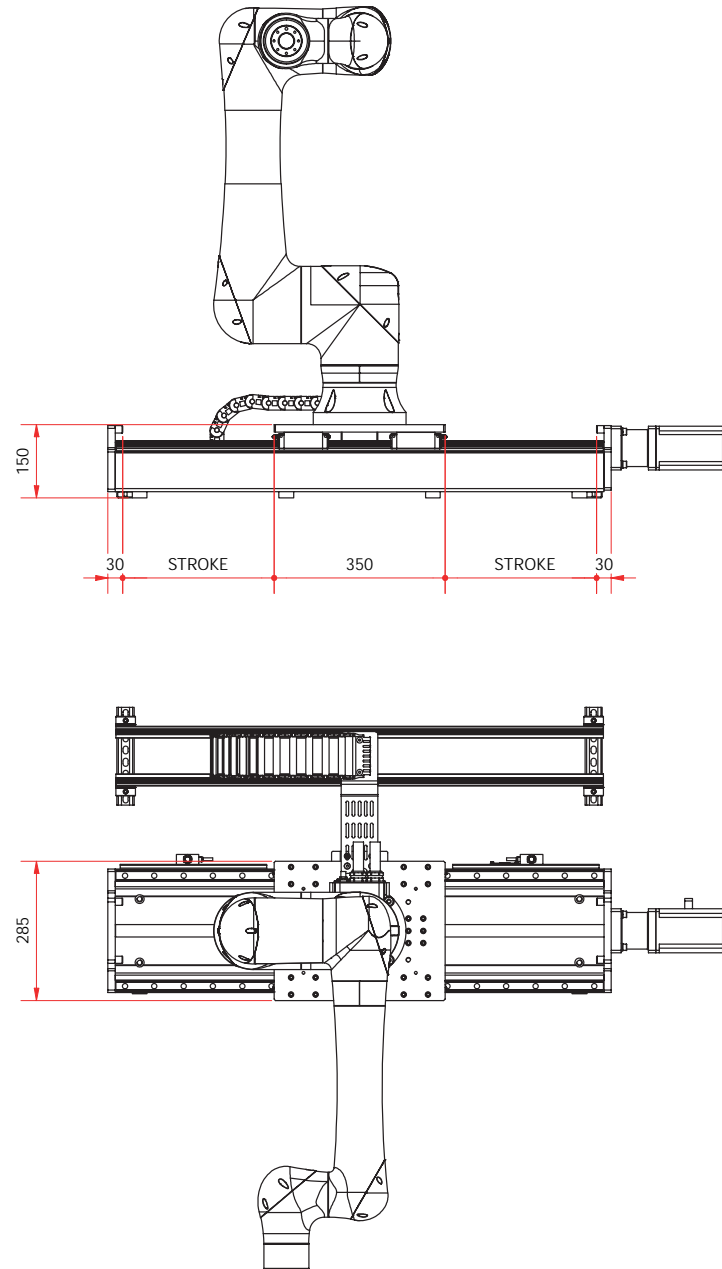
CRX-5iA
CRX-10iA
CRX-10iA/L
CRX-20iA/L

Robottrack FT25-BS

Mounting Position	 FLOOR
Mass axis	95 kg/m
Guiding railsize	25
Driving System	BallScrew Ø25
Acceleration	3 m/s ²
Speed	1 m/s

Suitable FANUC Robots

CRX-5iA
CRX-10iA
CRX-10iA/L
CRX-20iA/L



AT25-W

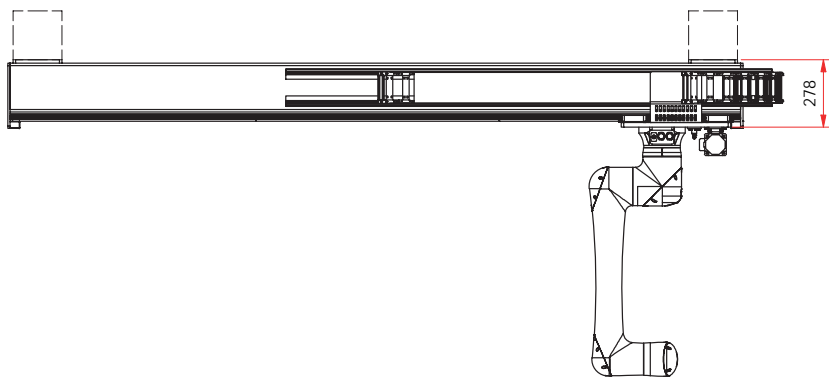
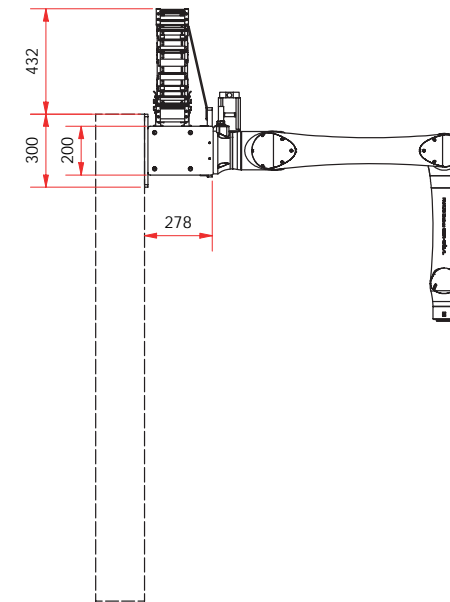
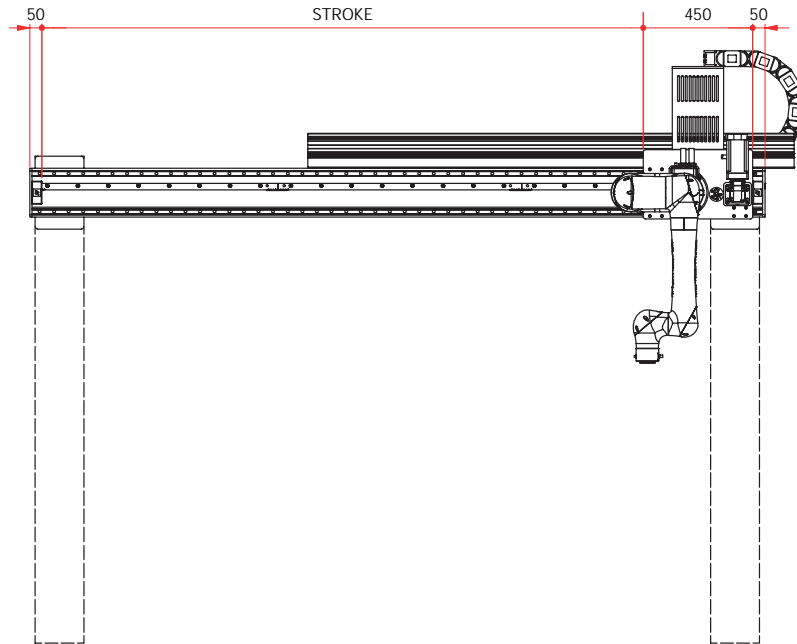


Robottrack AT25-W

Mounting Position	 WALL
Mass axis	60 kg/m
Guiding railsize	25
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

CRX-5iA
CRX-10iA
CRX-10iA/L
CRX-20iA/L



FT30-AL

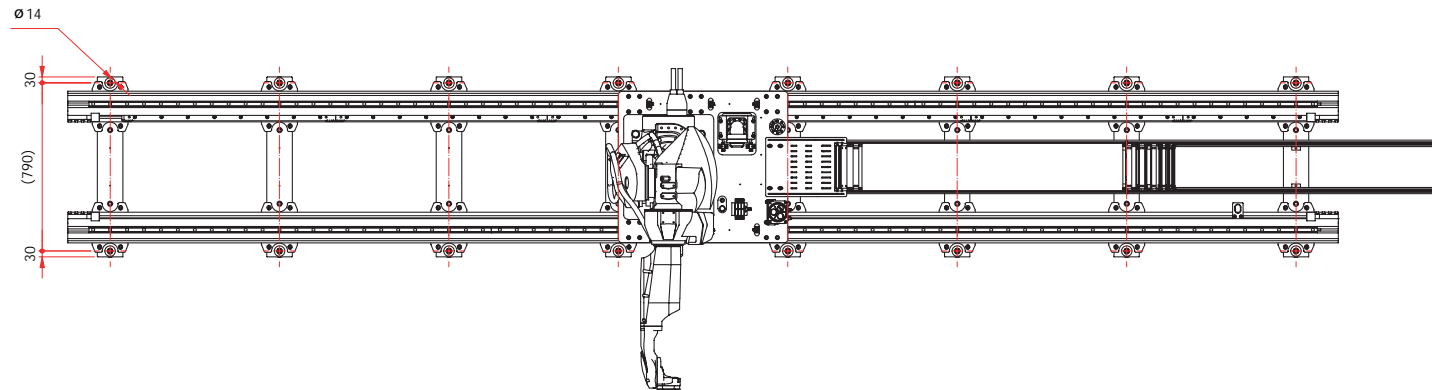
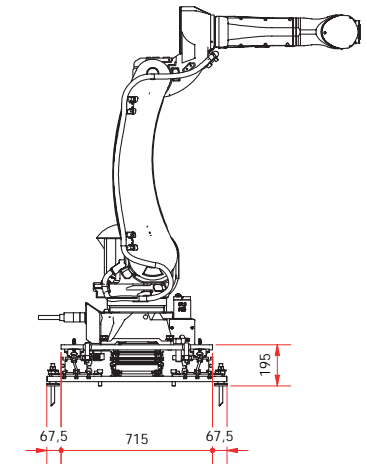
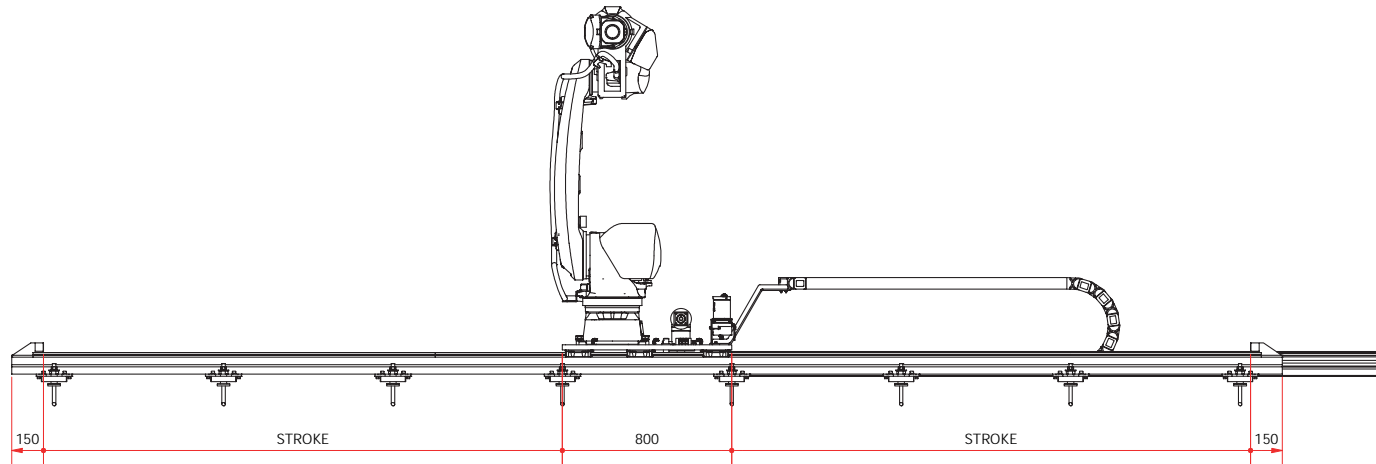


Robottack FT30-AL

Mounting Position	 FLOOR
Mass axis	75 kg/m
Guiding railsize	30
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA



FT35-AT

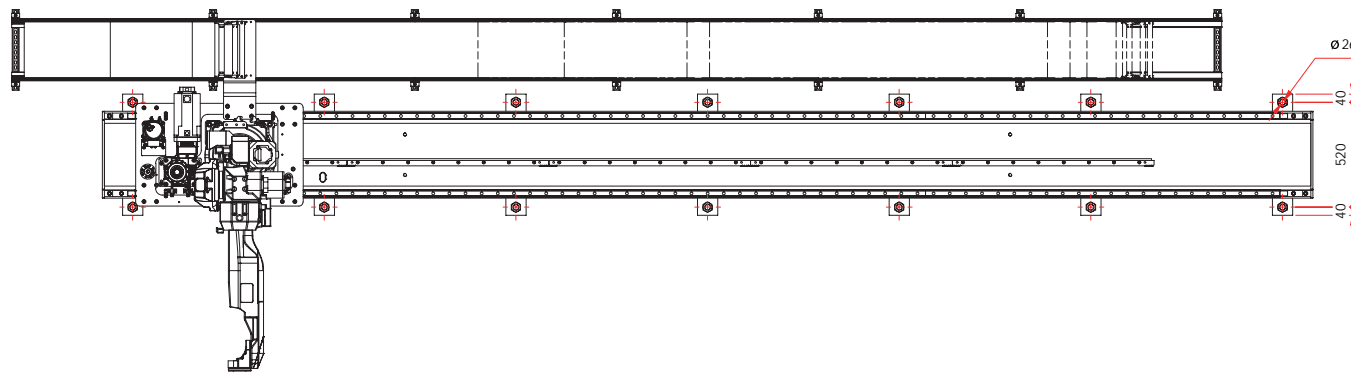
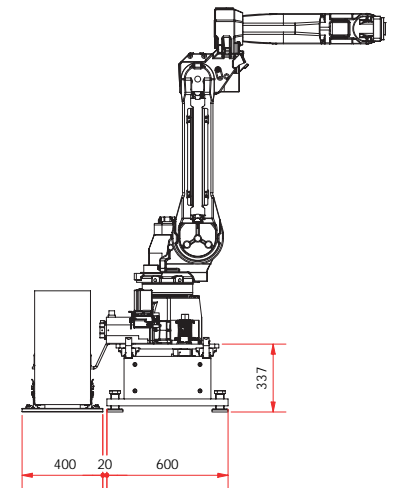
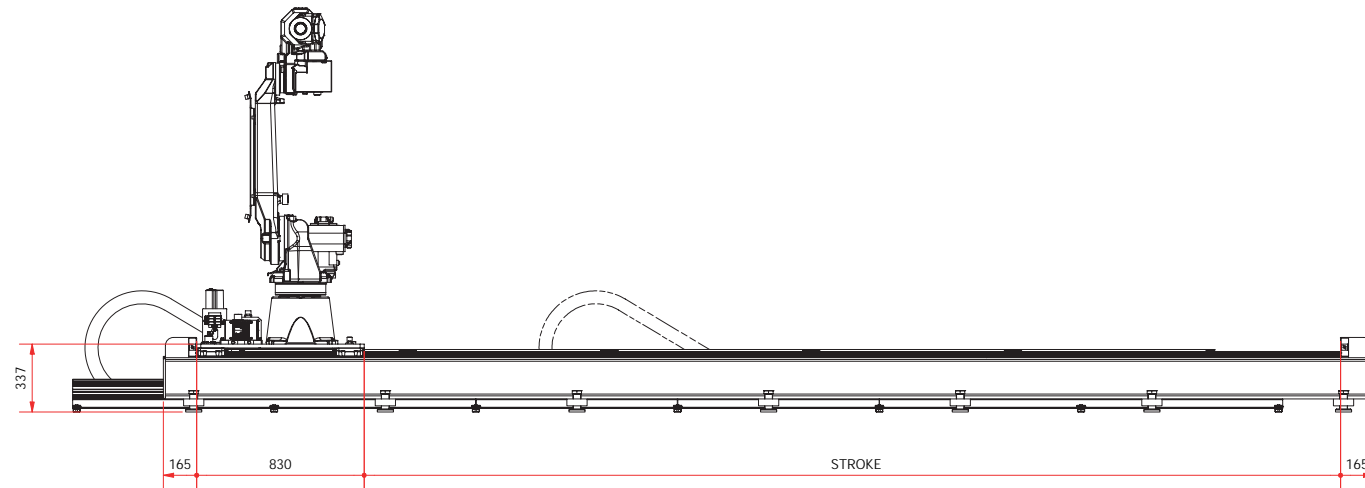


Robotrack FT35-AT

Mounting Position	 FLOOR
Mass axis	200 kg/m
Guiding railsize	35
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s


Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA



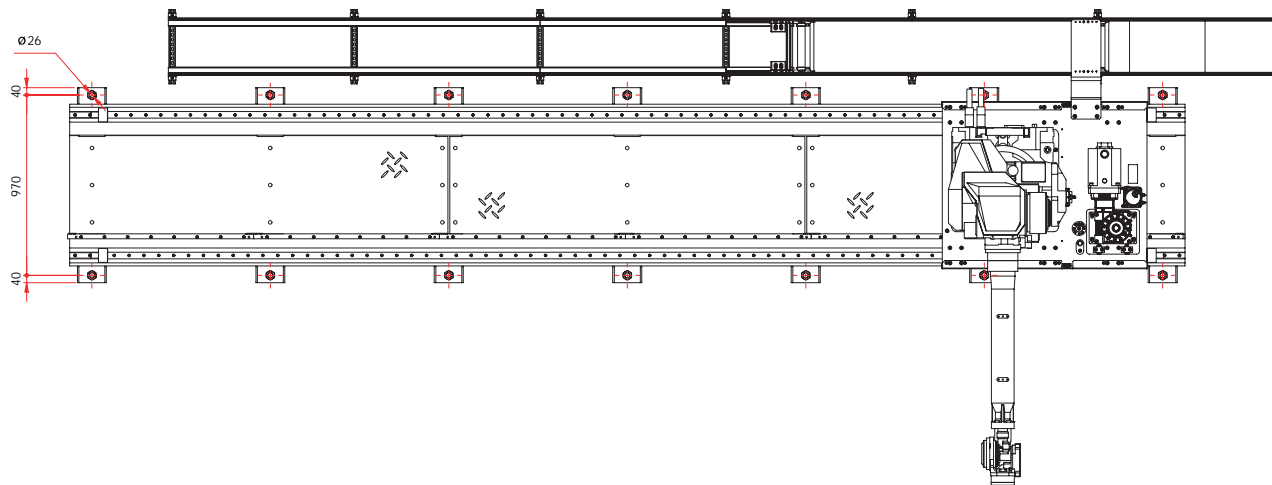
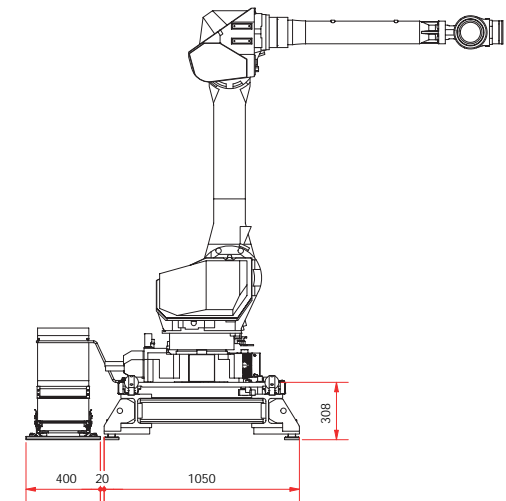
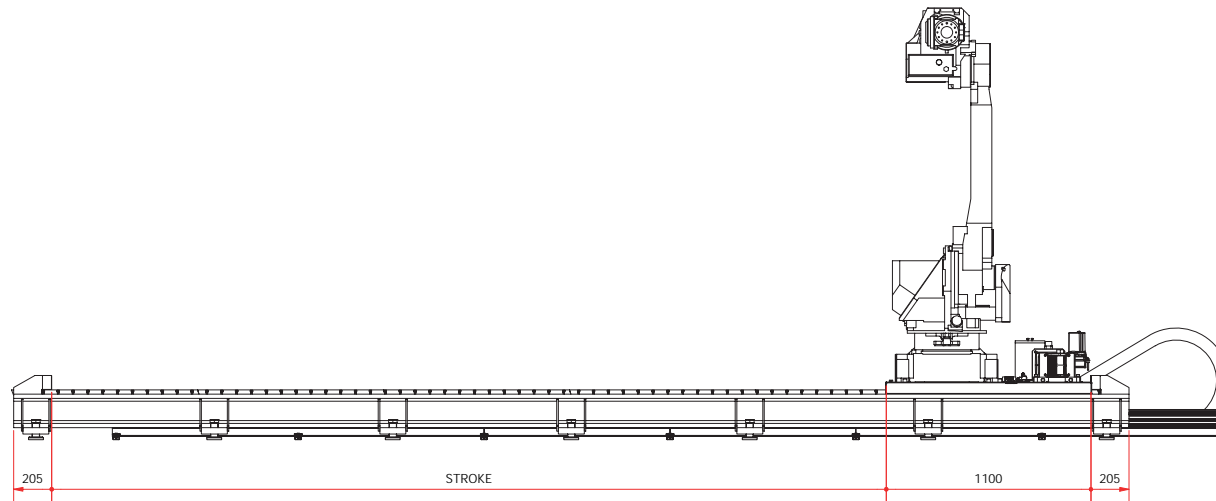


Robottrack FT35

Mounting Position	 FLOOR
Mass axis	230 kg/m
Guiding railsize	35
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA
Arc Mate Series
M-710 Series
R-1000 Series



FT35-C0

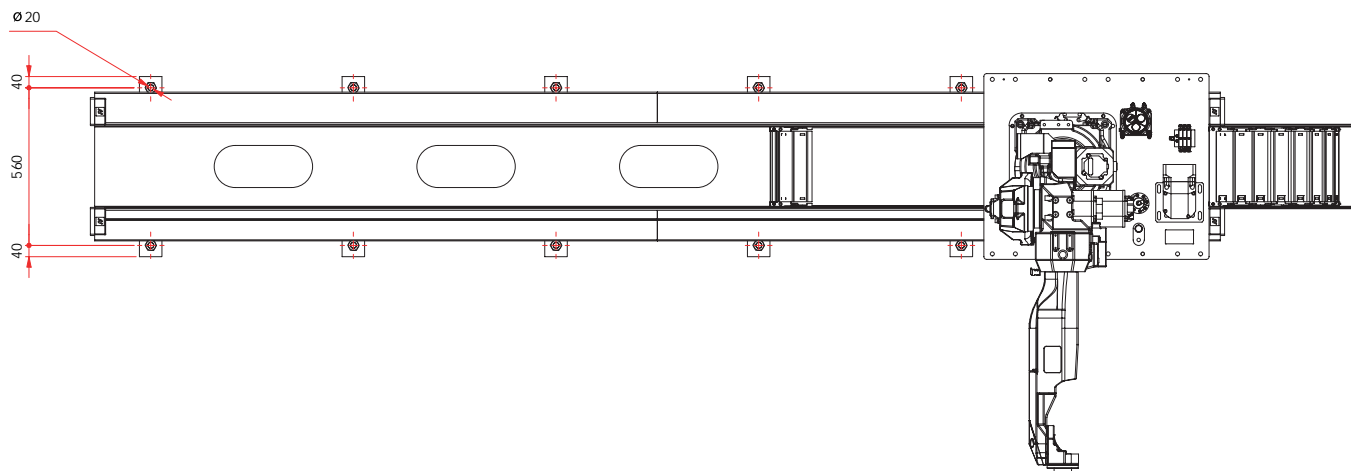
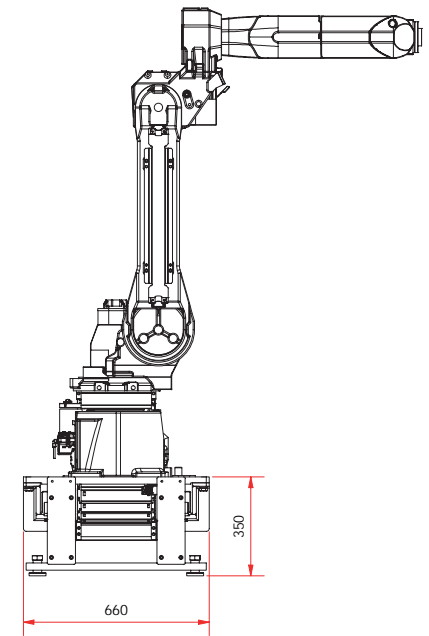
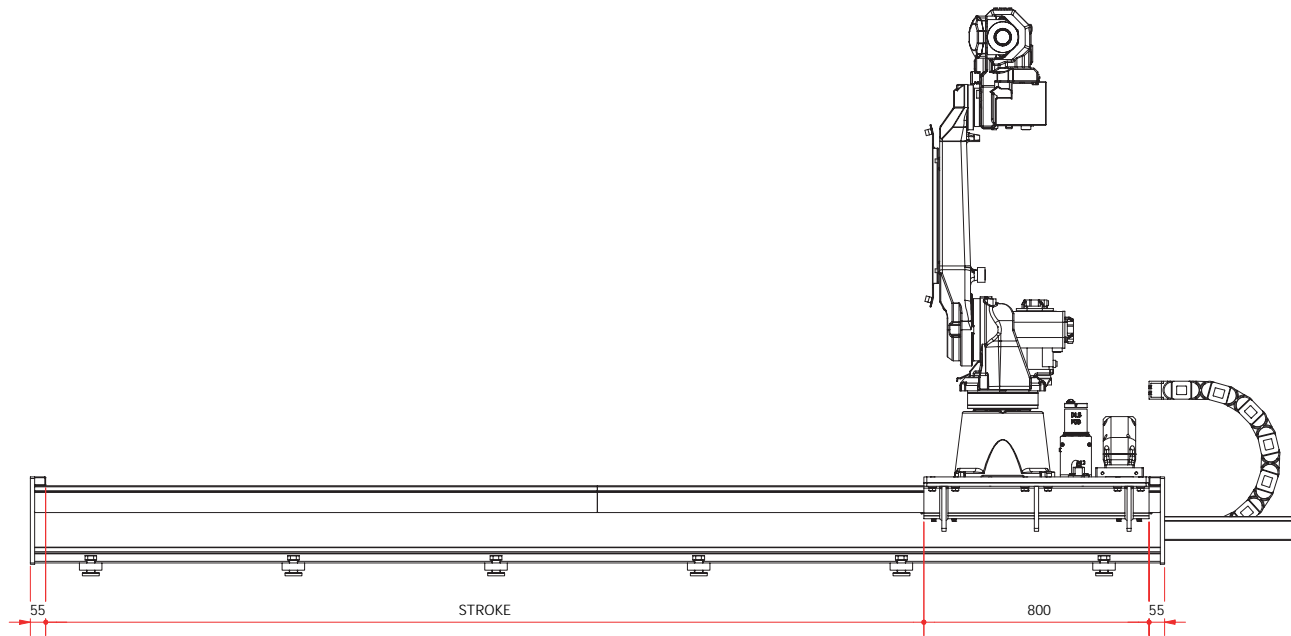


Robottrack FT35-C0

Mounting Position	 FLOOR
Mass axis	215 kg/m
Guiding railsize	35
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA
Arc Mate Series
M-710 Series



AT35-F

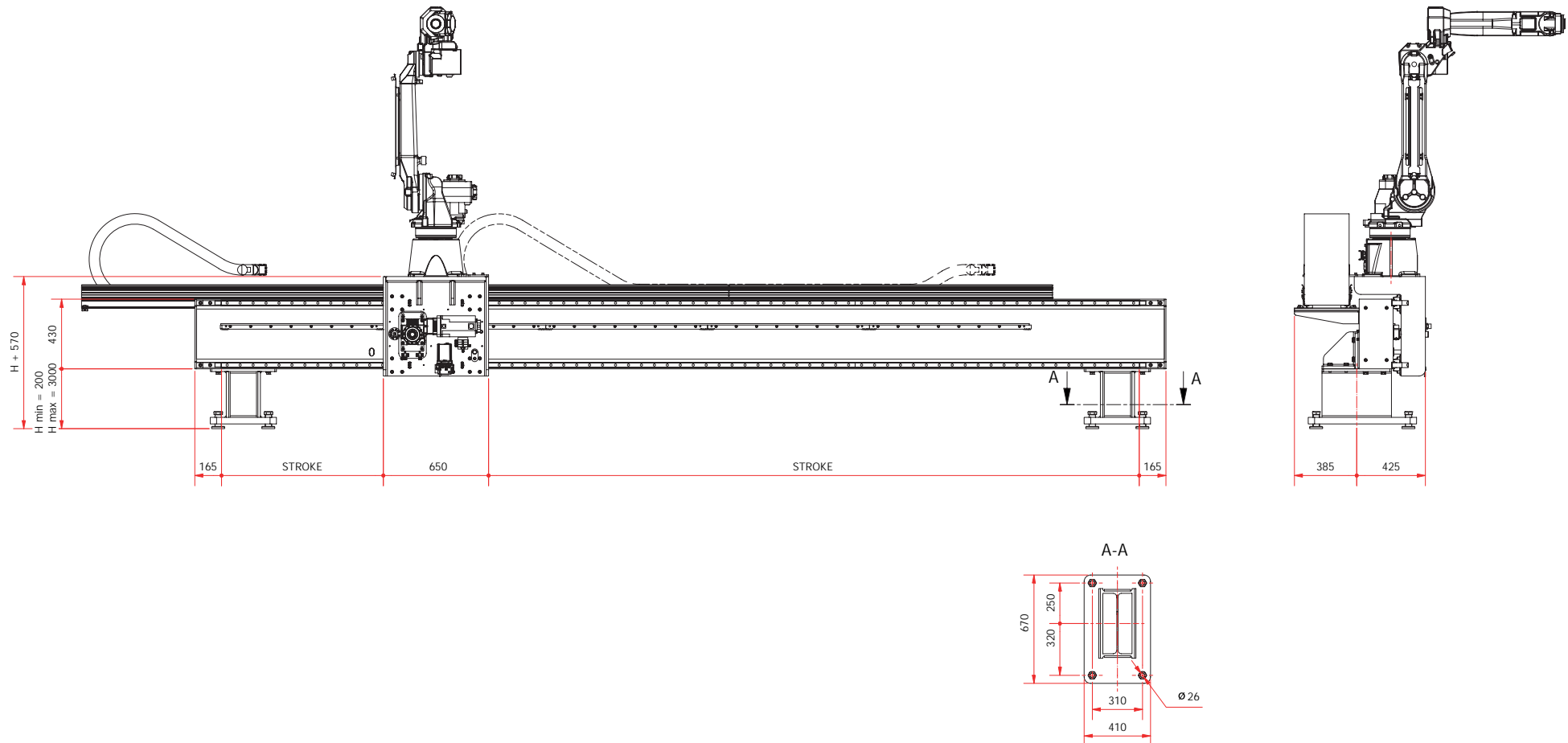


Robottrack AT35-F

Mounting Position	 FLOOR
Mass axis	185 kg/m
Guiding railsize	35
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA



AT35-W

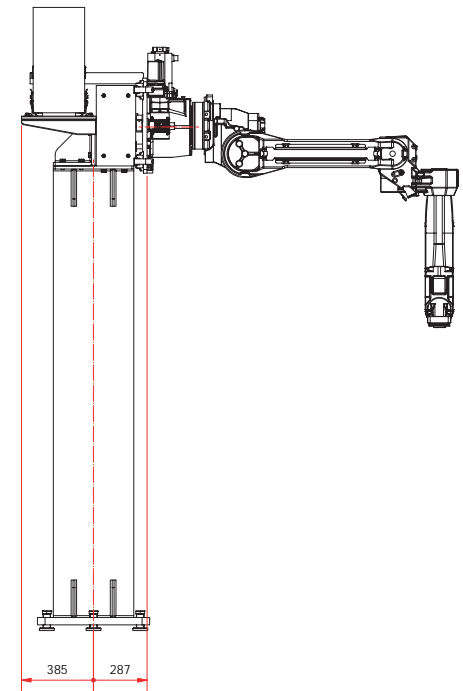
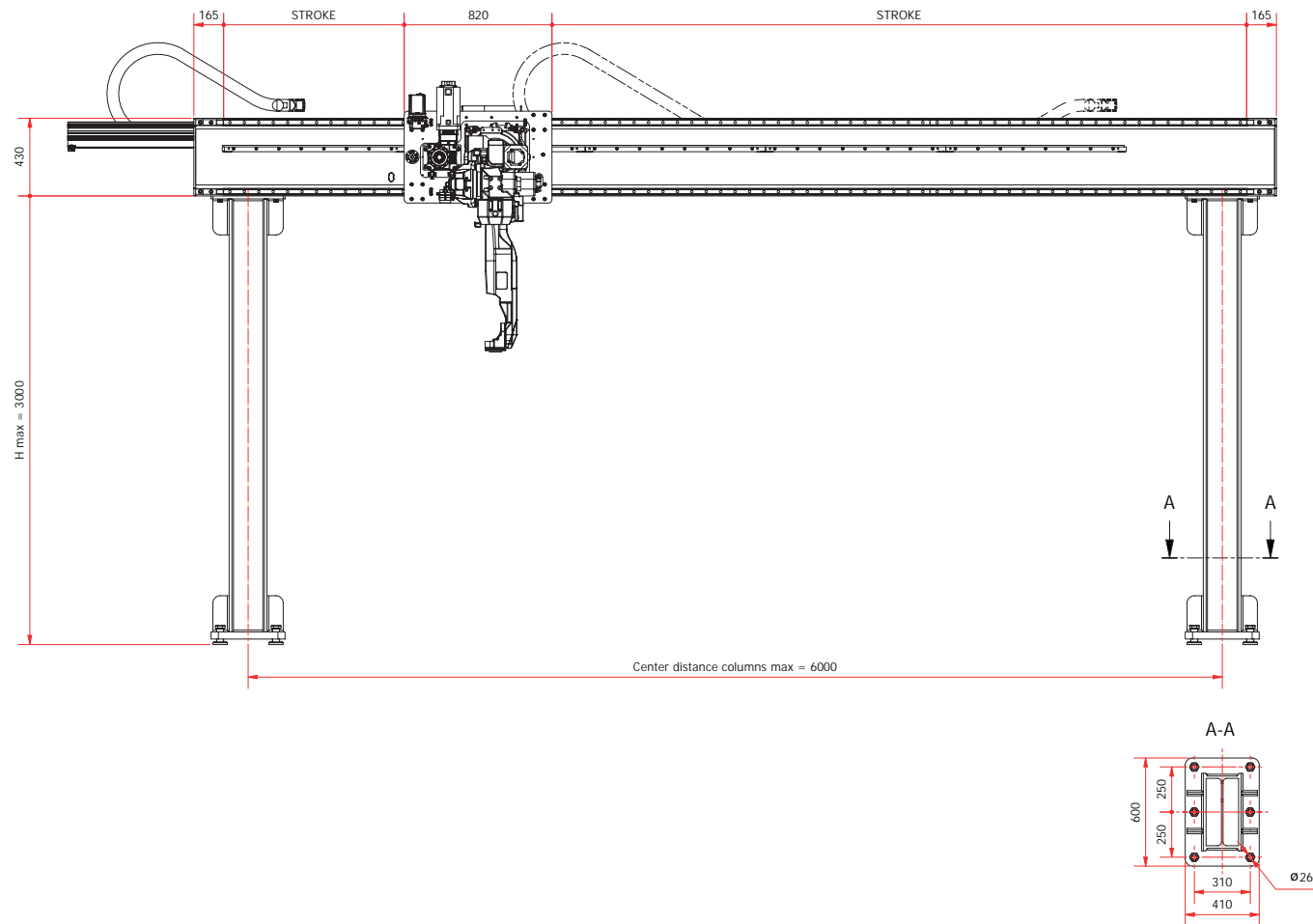


Robotrack AT35-W

Mounting Position	 WALL
Mass axis	185 kg/m
Guiding railsize	35
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA
Arc Mate Series



AT35-C

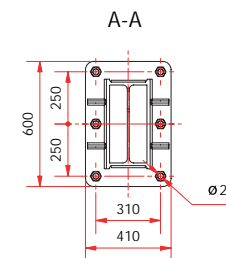
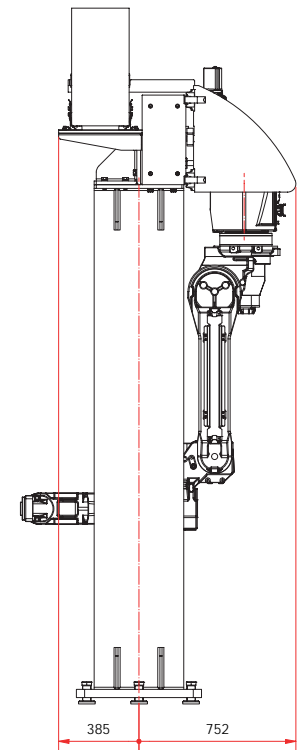
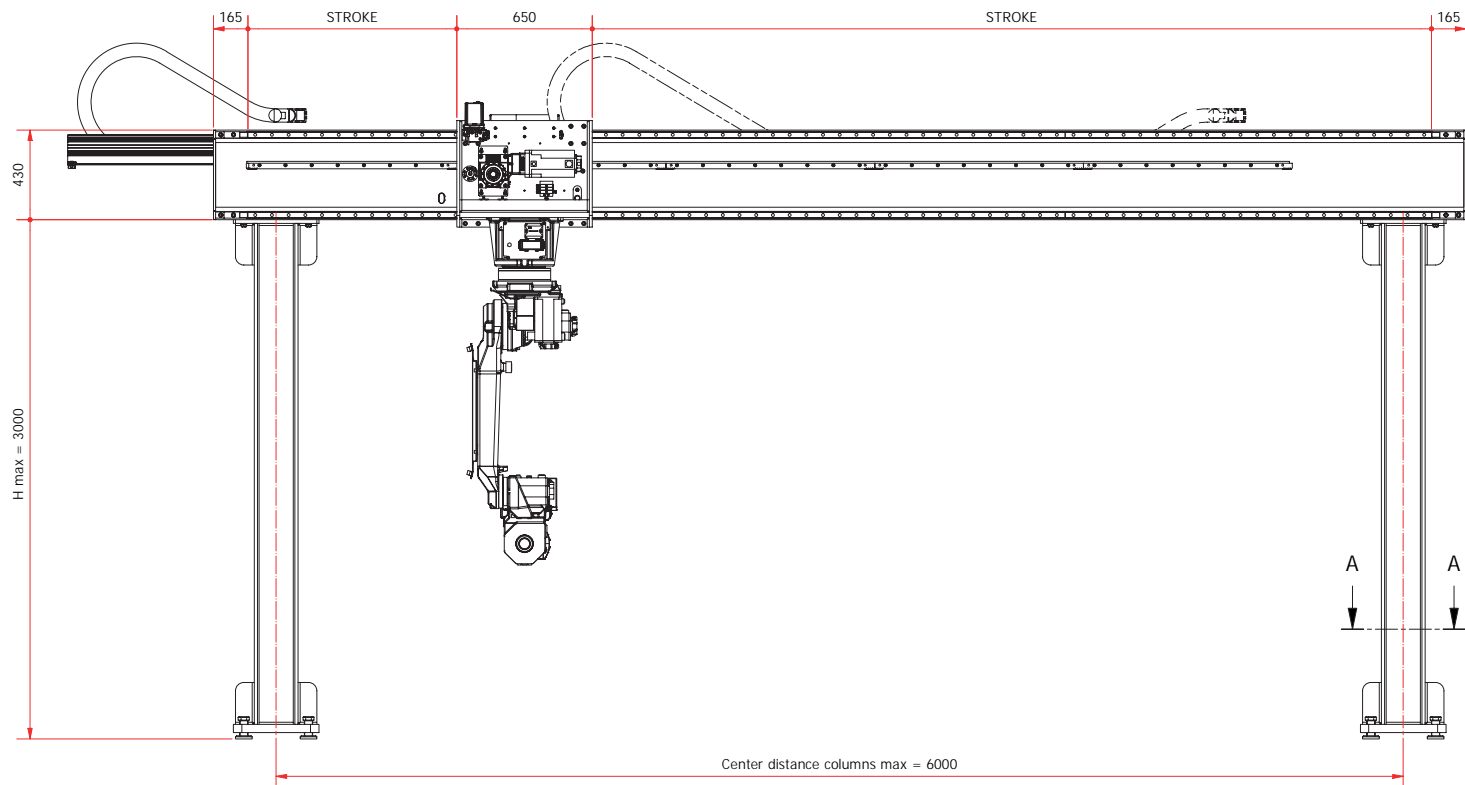


Robotrack AT35-C

Mounting Position	 CEILING
Mass axis	185 kg/m
Guiding railsize	35
Rack	M3
Acceleration	2,5 m/s ²
Speed	2,5 m/s

Suitable FANUC Robots

M-10 Series
M-20 Series
CRX-25iA
Arc Mate Series



FT45

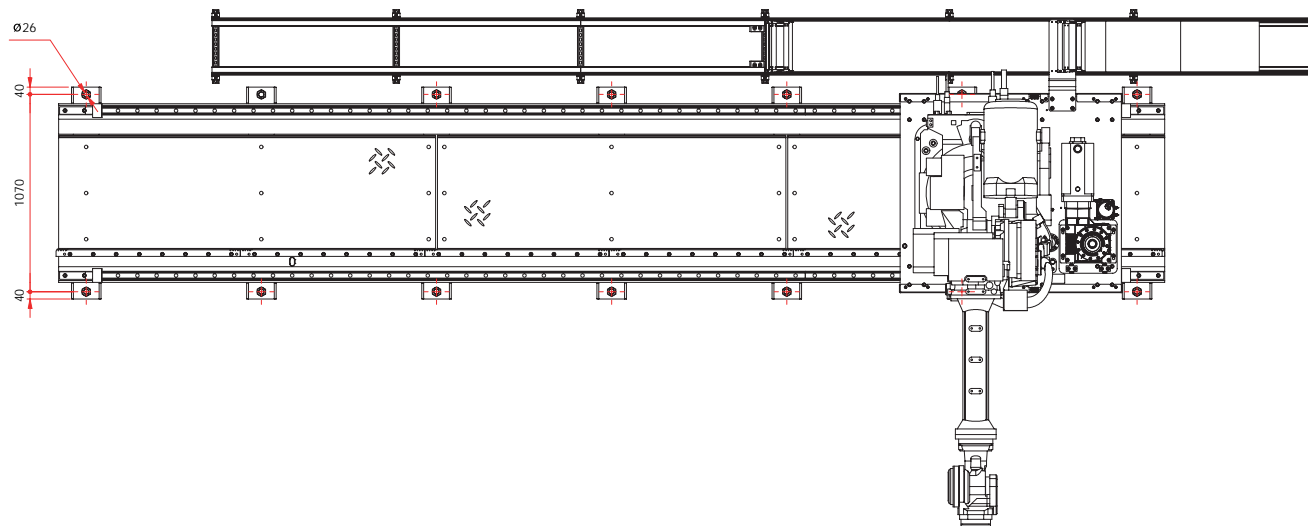
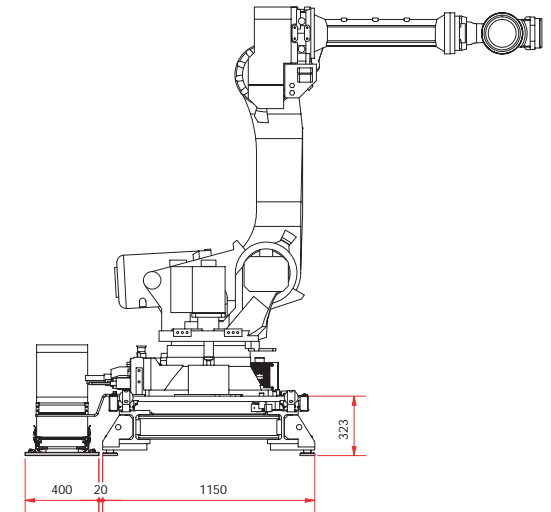
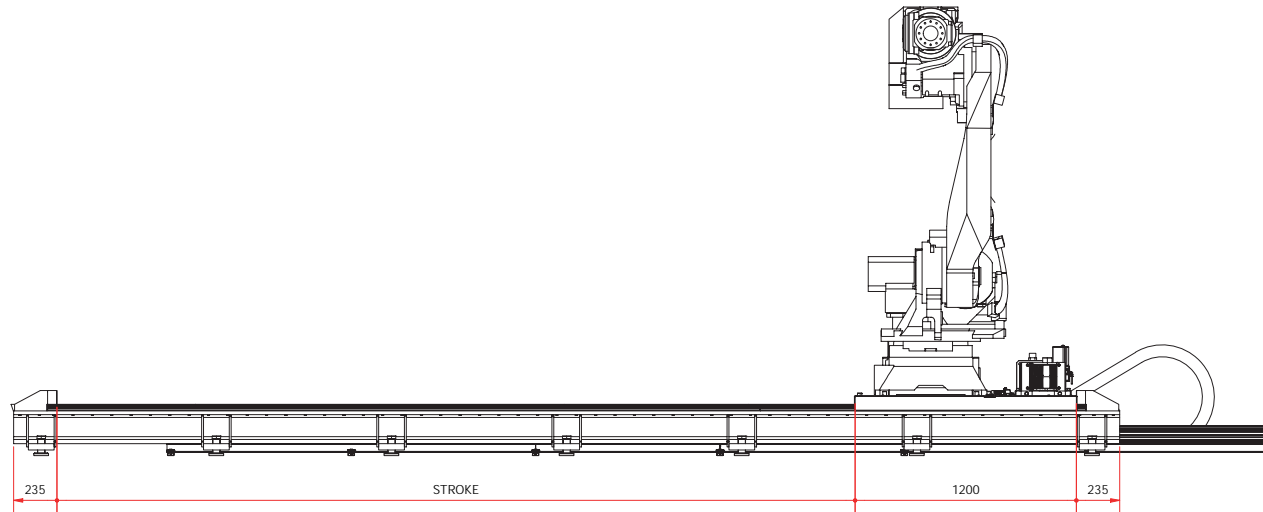


Robottrack FT45

Mounting Position	 FLOOR
Mass axis	260 kg/m
Guiding railsize	45
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/110
M-410iB/140H
M-410iC/185
R-2000 Series



SRMC-1500-3



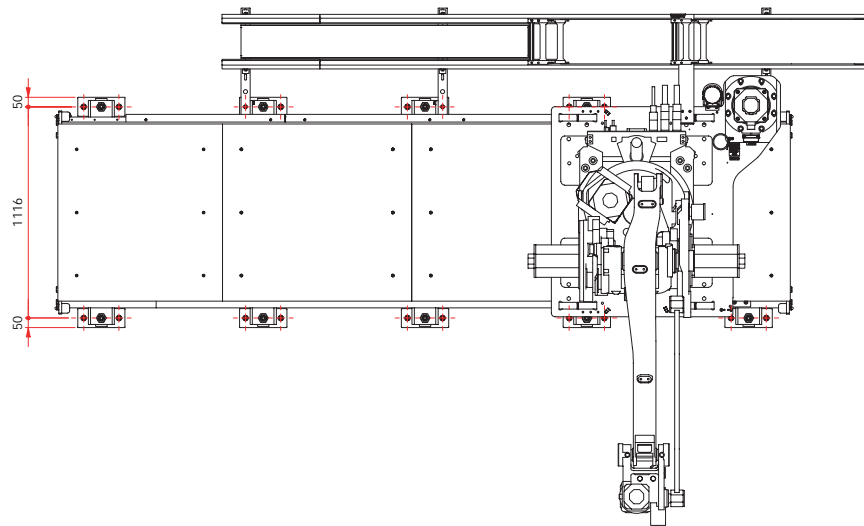
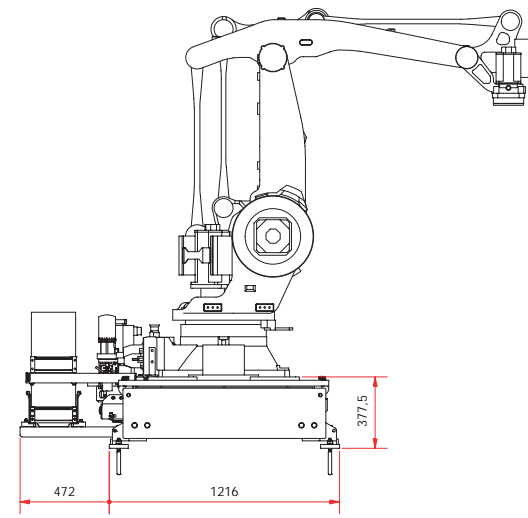
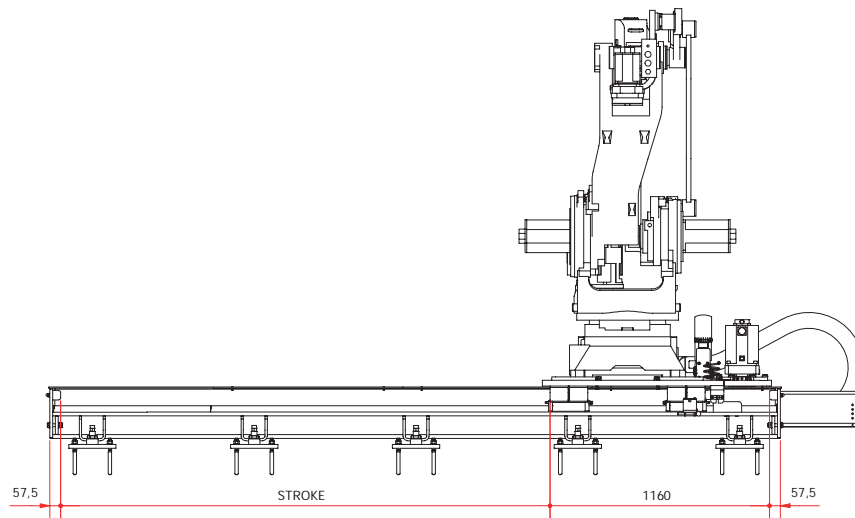
Robotrack SRMC-1500-3

Mounting Position	 FLOOR
Mass axis	249 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/110
M-410iB/140H
R-2000 Series

SRMC-1500-3



SRMC-1500-LC



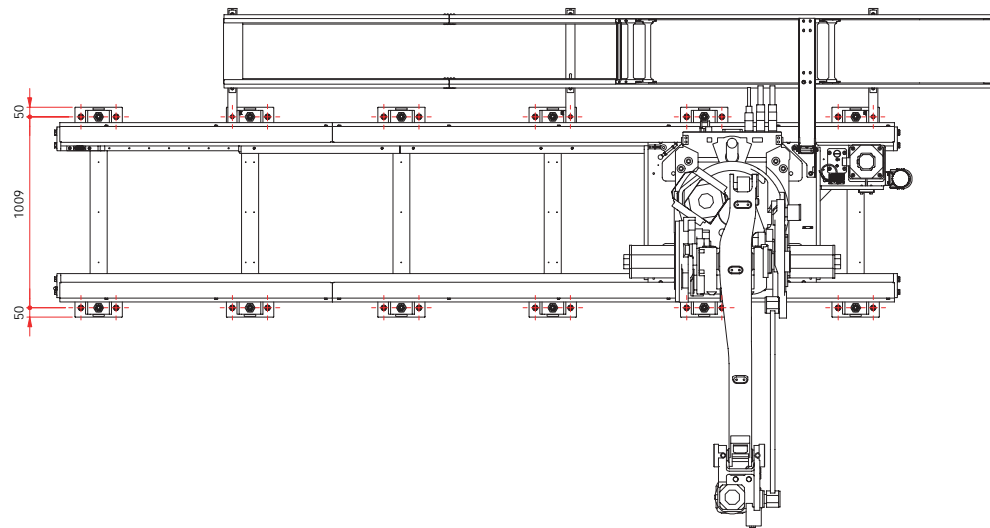
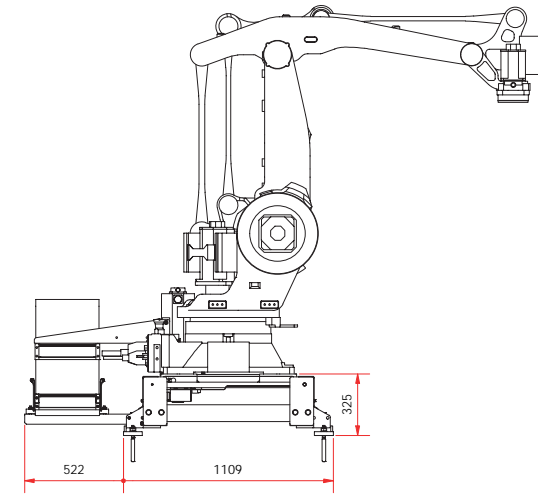
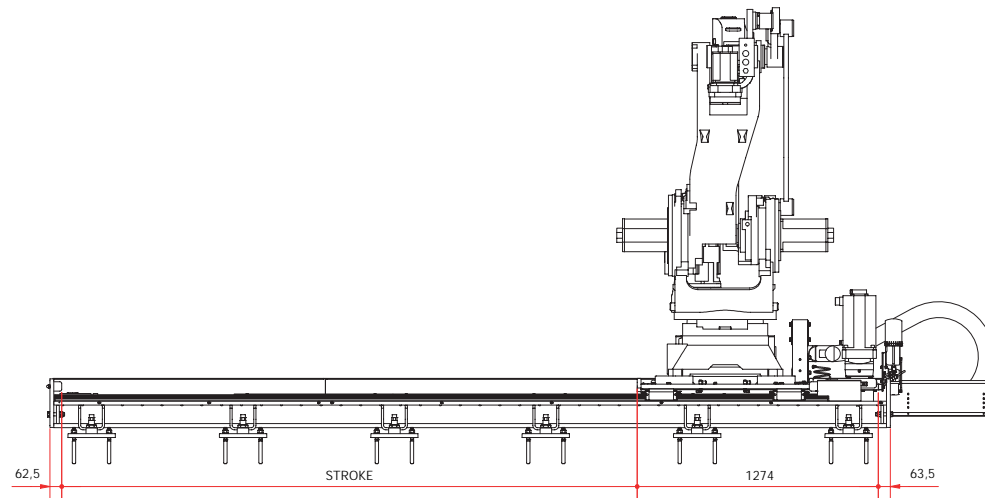
Robottrack SRMC-1500-LC

Mounting Position	 FLOOR
Mass axis	190 kg/m
Guiding railsize	45
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/110
M-410iB/140H
R-2000 Series

SRMC-1500-LC



SRMC-2000-3



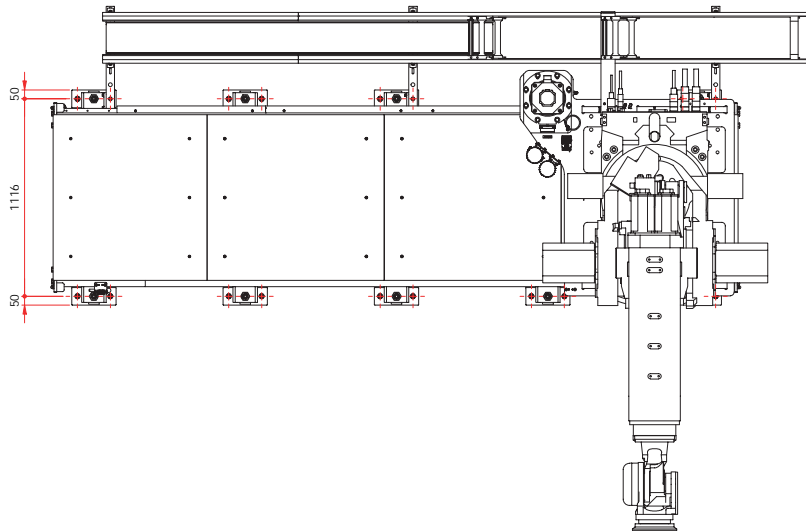
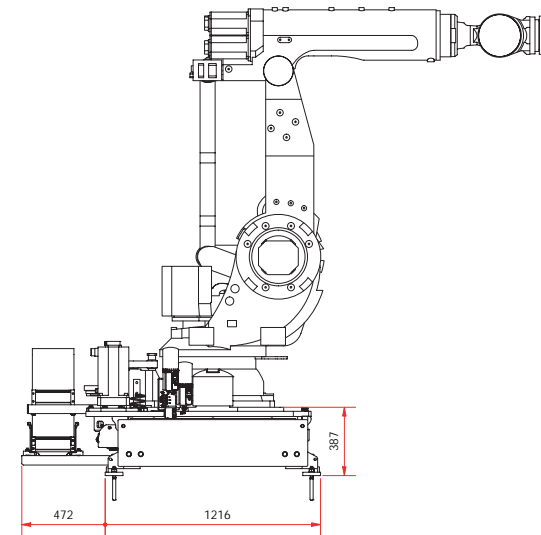
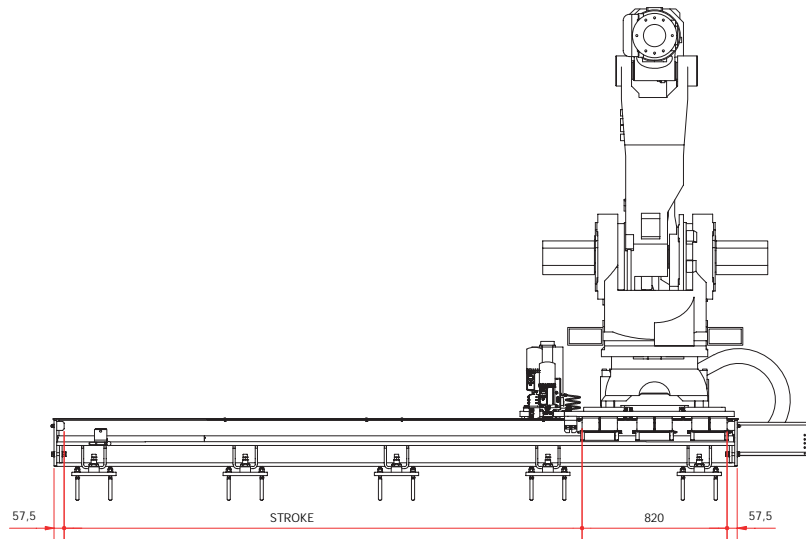
Robottrack SRMC-2000-3

Mounting Position	 FLOOR
Mass axis	249 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/185
M-900iB/280
M-900iB/280L
M-900iB/360

SRMC-2000-3



SRMC-2000-LC



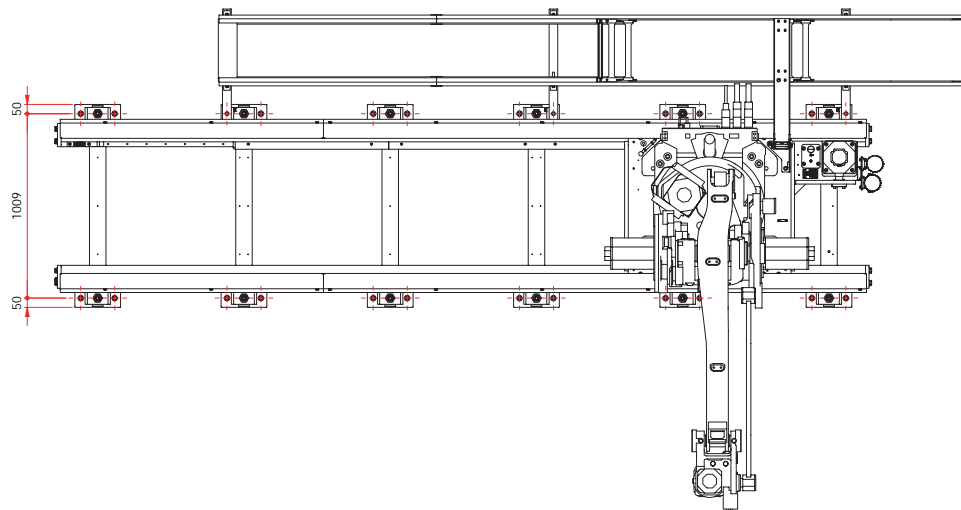
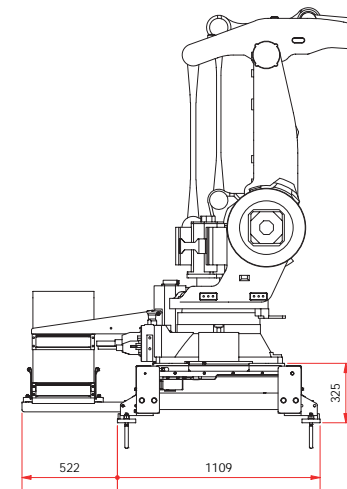
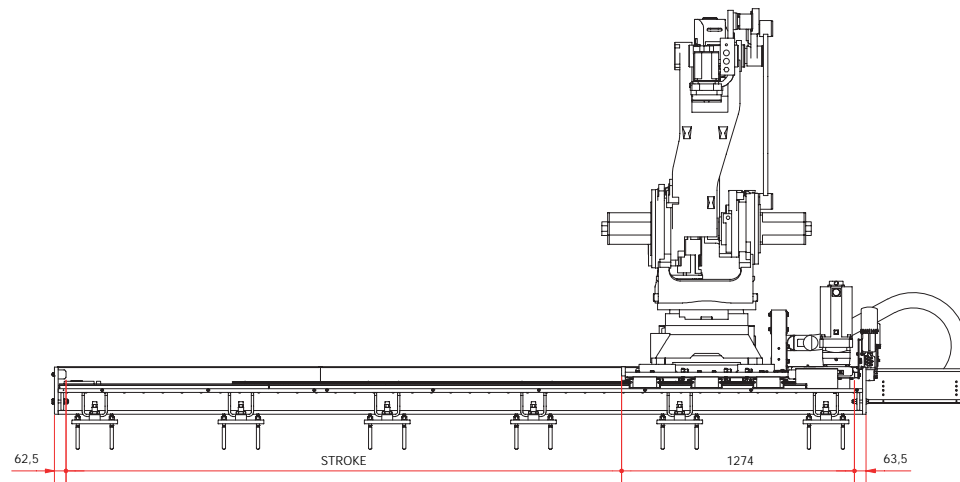
Robottrack SRMC-2000-LC

Mounting Position	 FLOOR
Mass axis	190 kg/m
Guiding railsize	45
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/185
M-900iB/280
M-900iB/280L
M-900iB/360

SRMC-2000-LC



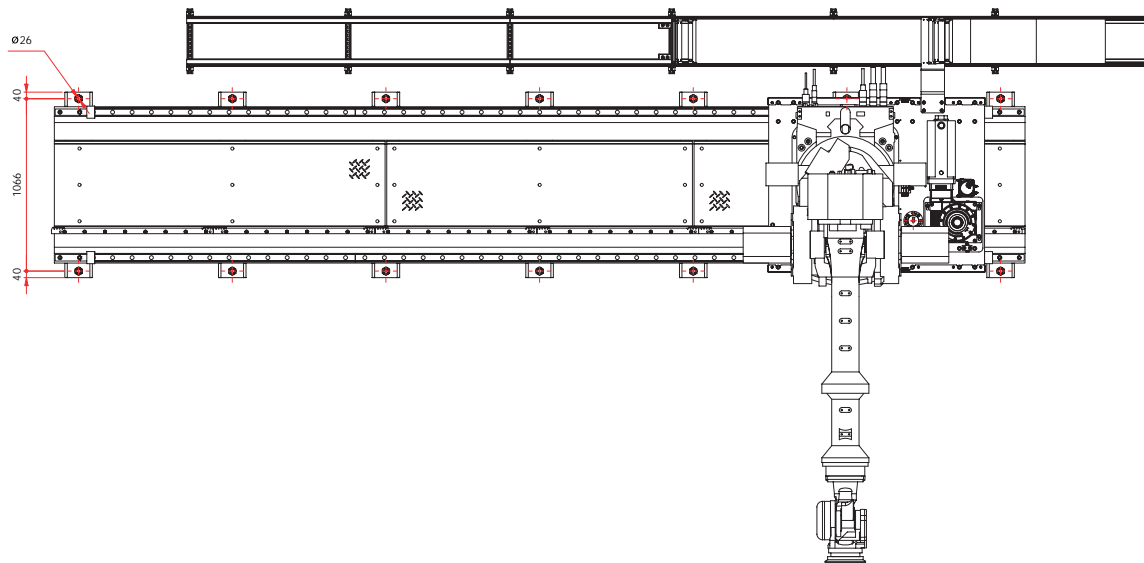
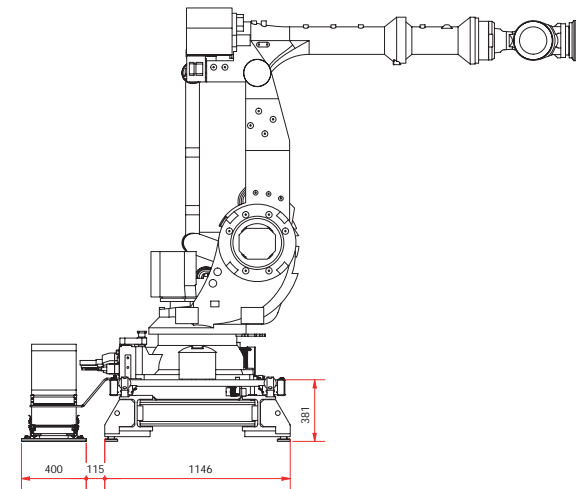
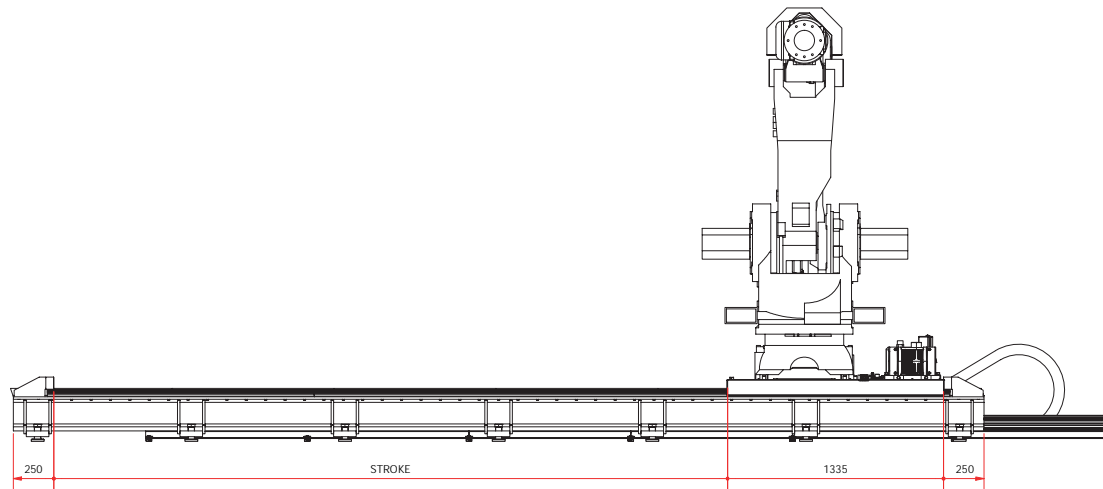


Robottrack FT55

Mounting Position	 FLOOR
Mass axis	320 kg/m
Guiding railsize	55
Rack	M5
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/315
M-410iC/500
M-410iC/700
M-900iB/280
M-900iB/280L
M-900iB/360
M-900iB/400L
M-900iB/700



FT55-AT

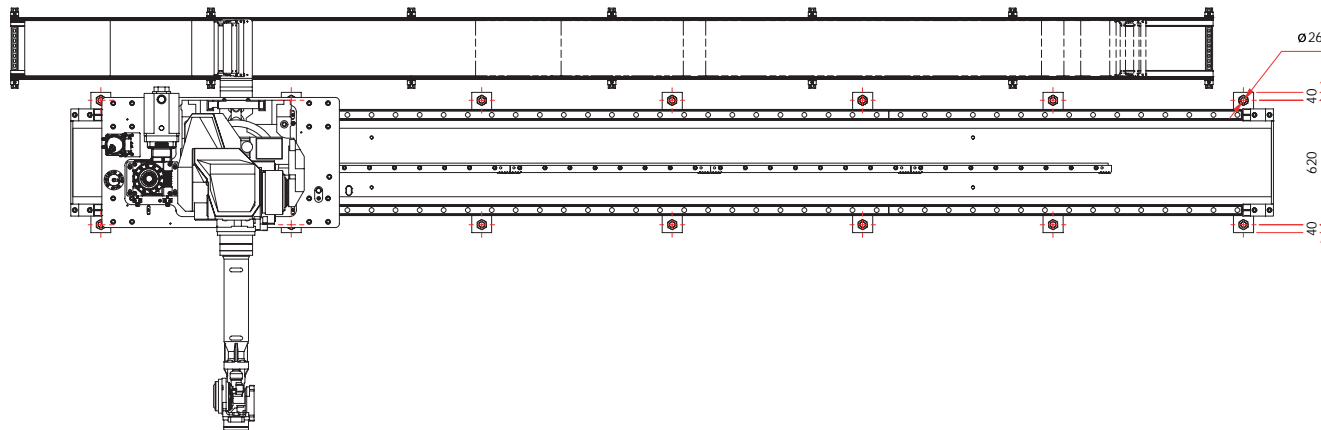
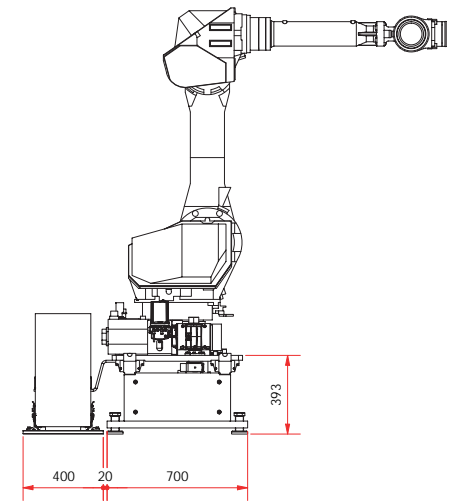
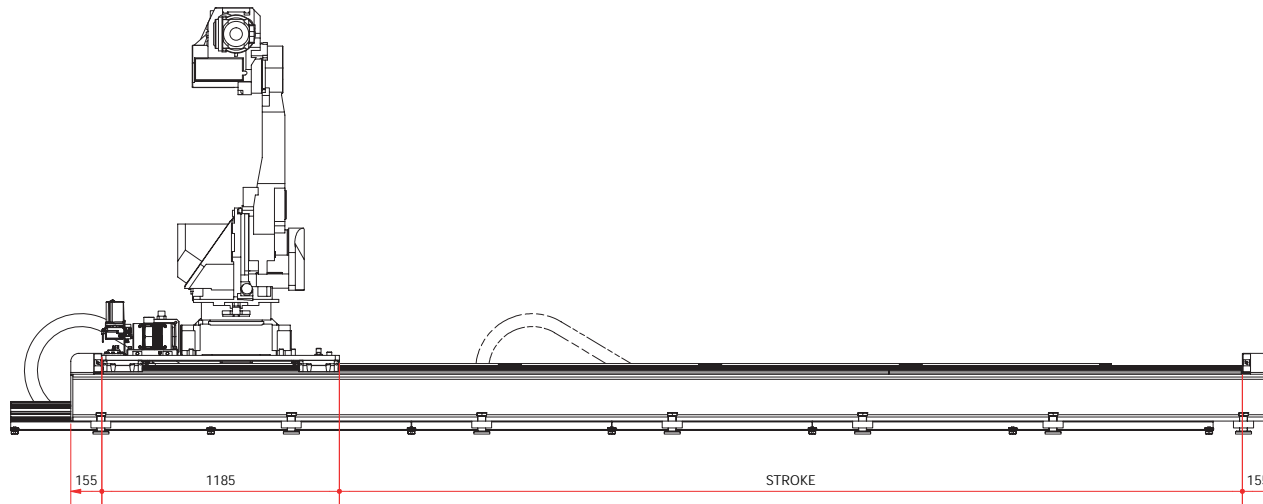


Robotrack FT55-AT

Mounting Position	 FLOOR
Mass axis	310 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-710 Series
R-1000 Series



AT55-F

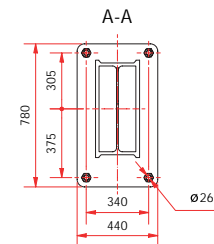
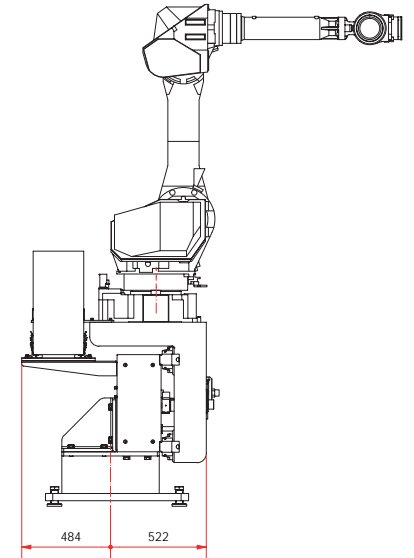
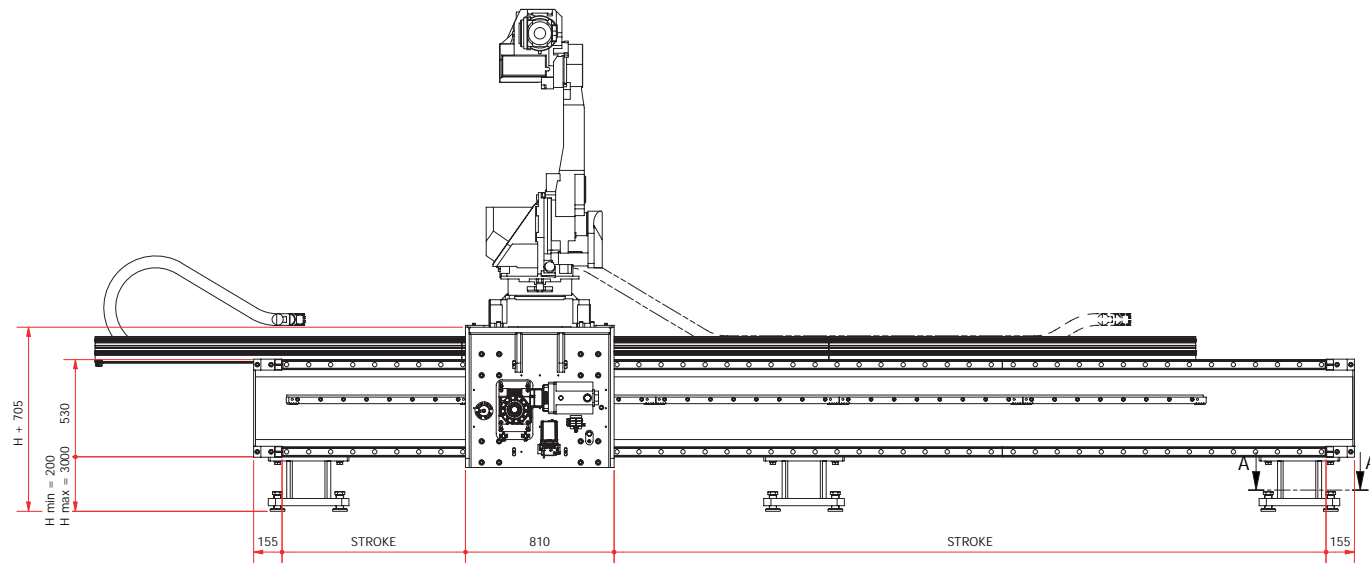


Robottrack AT55-F

Mounting Position	 FLOOR
Mass axis	290 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-710 Series
R-1000 Series



AT55-W

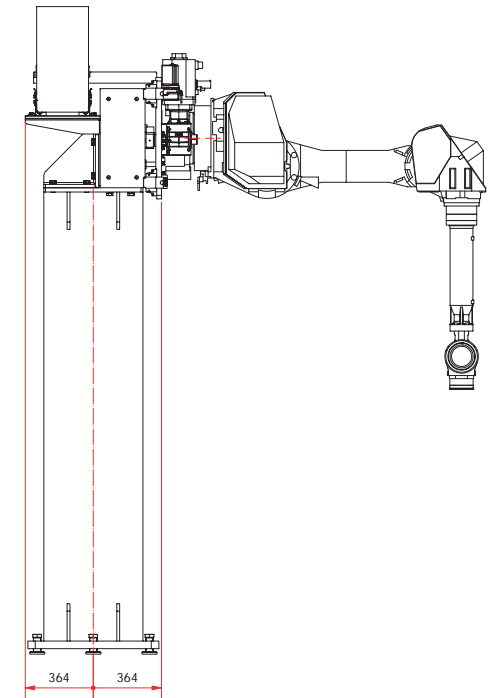
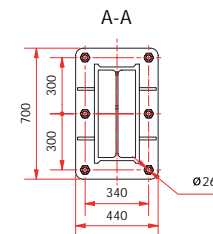
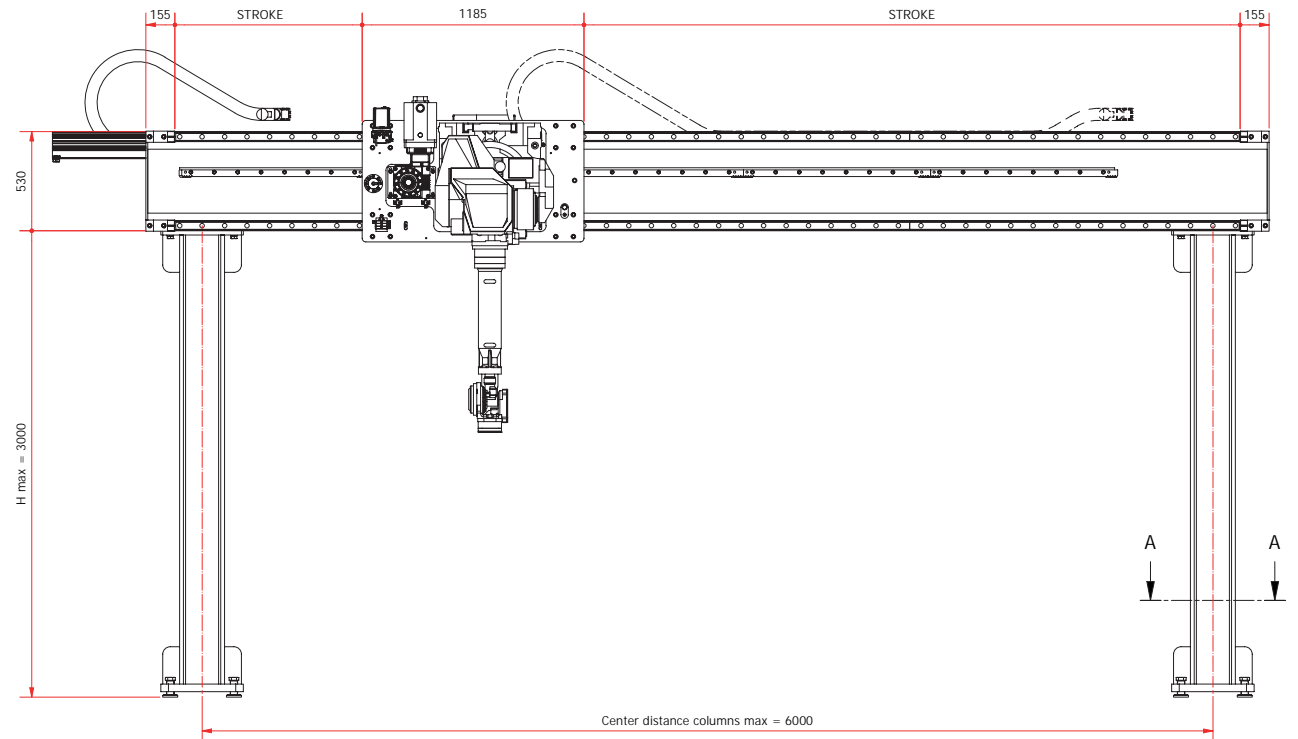


Robotrack AT55-W

Mounting Position	 WALL
Mass axis	290 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-710 Series



AT55-C

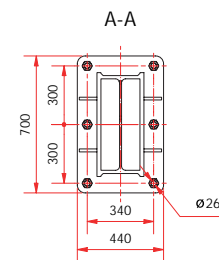
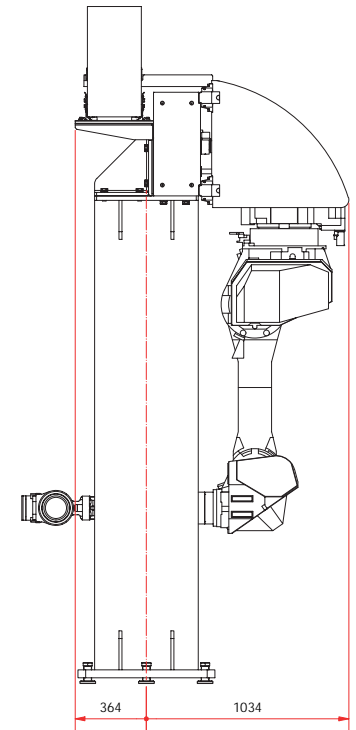
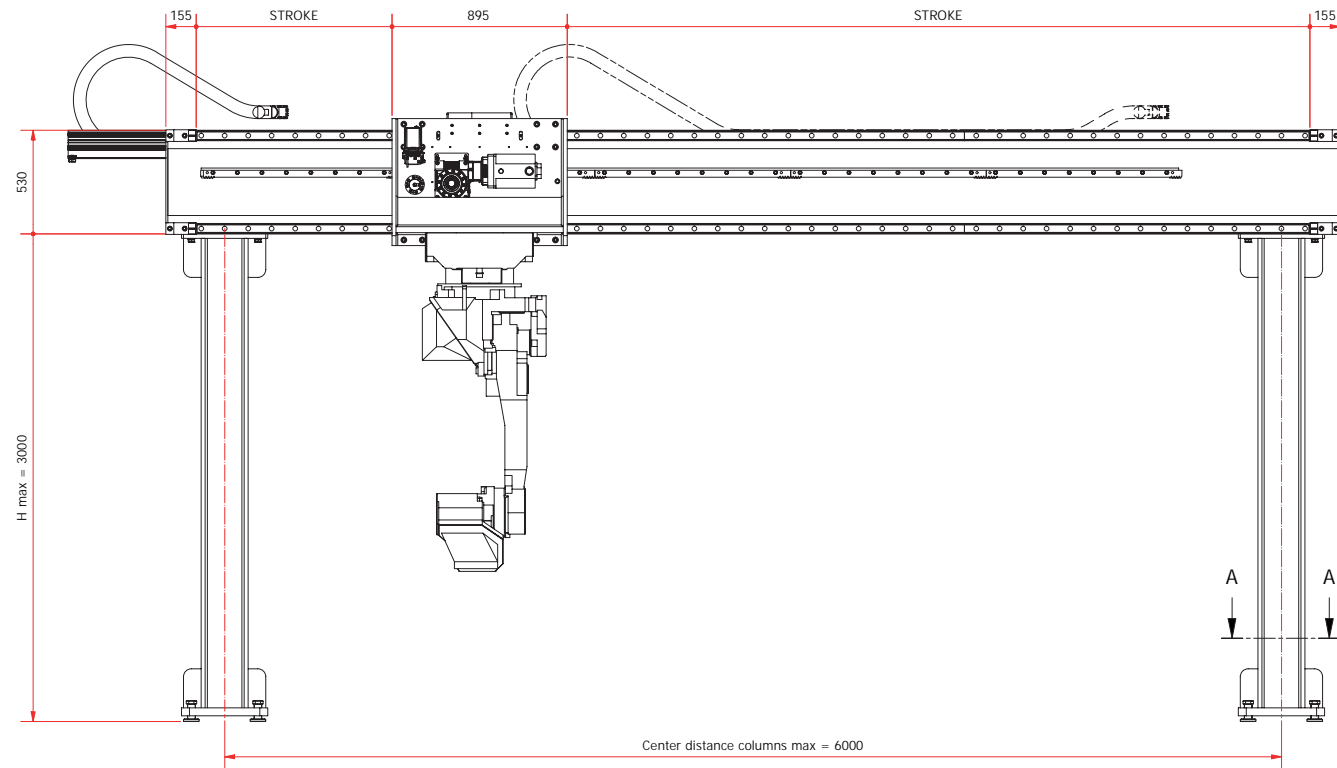


Robotrack AT55-C

Mounting Position	 CEILING
Mass axis	290 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-710 Series
R-1000 Series



SRMC-4000-LC



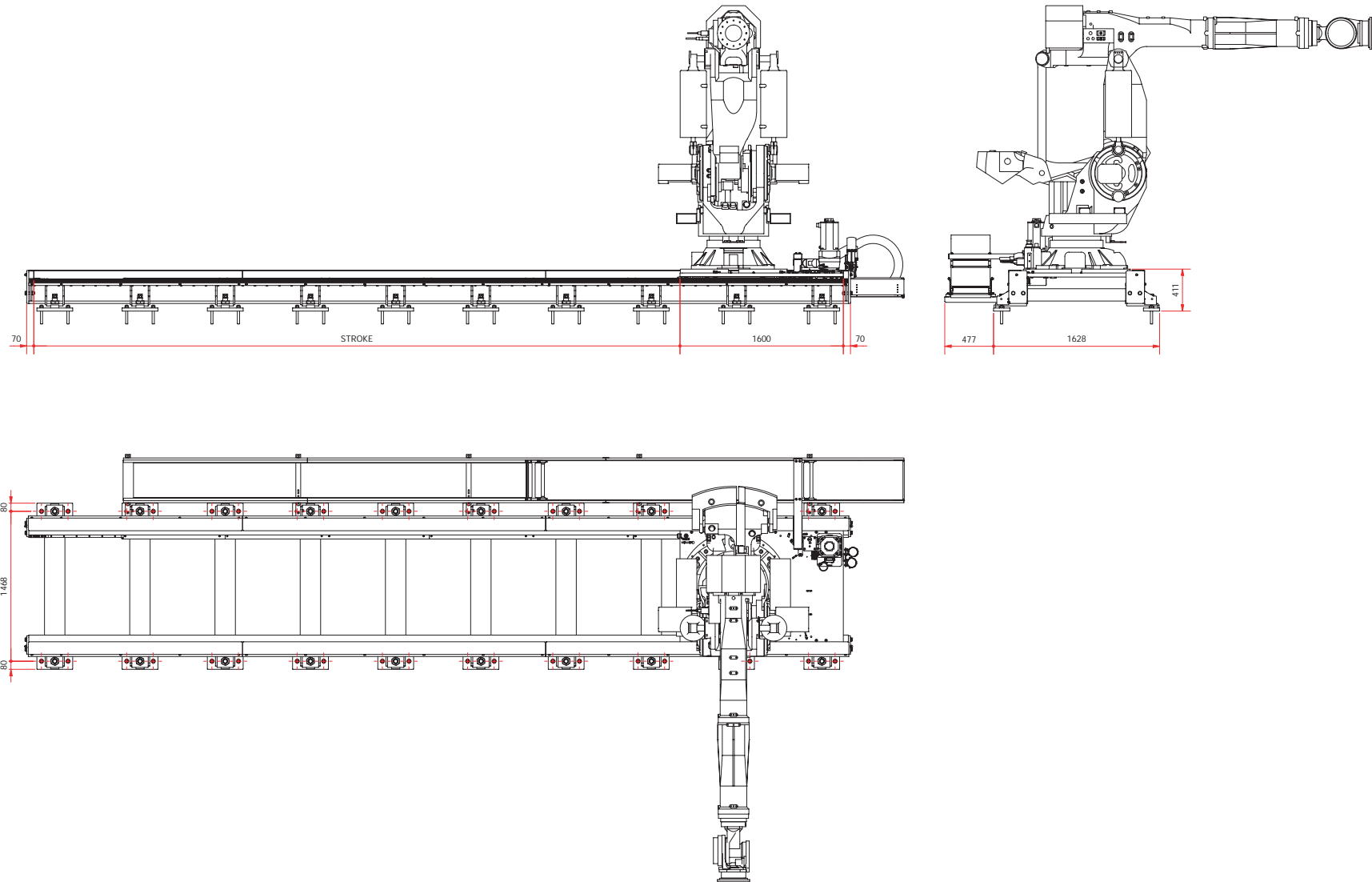
Robottrack SRMC-4000-LC

Mounting Position	 FLOOR
Mass axis	390 kg/m
Guiding railsize	55
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-410iC/315
M-410iC/500
M-410iC/700
M-900iB/400L
M-900iB/700

SRMC-4000-LC



SRMC-750-3



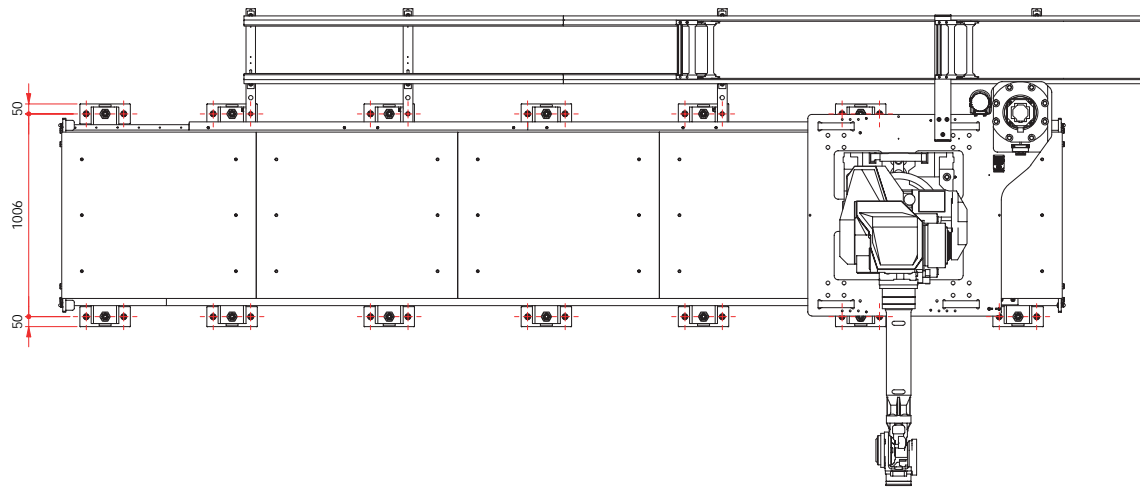
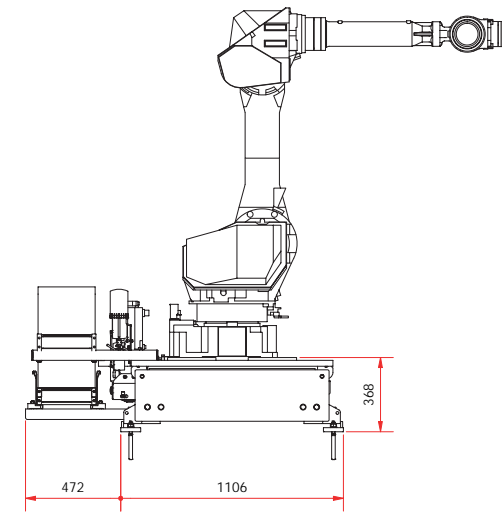
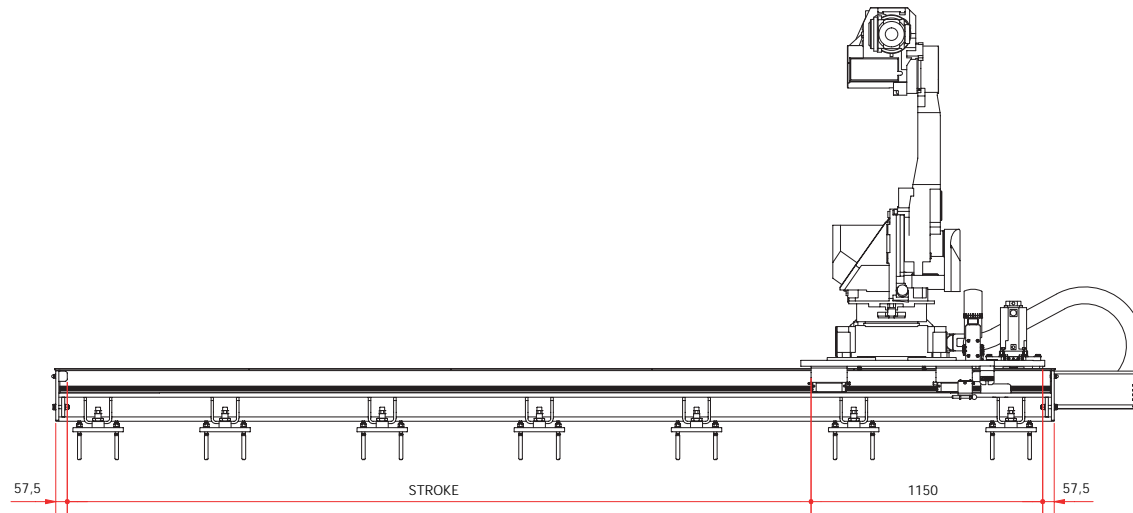
Robottrack SRMC-750-3

Mounting Position	 FLOOR
Mass axis	218 kg/m
Guiding railsize	45
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-710 Series
R-1000 Series

SRMC-750-3



SRMC-750-LC



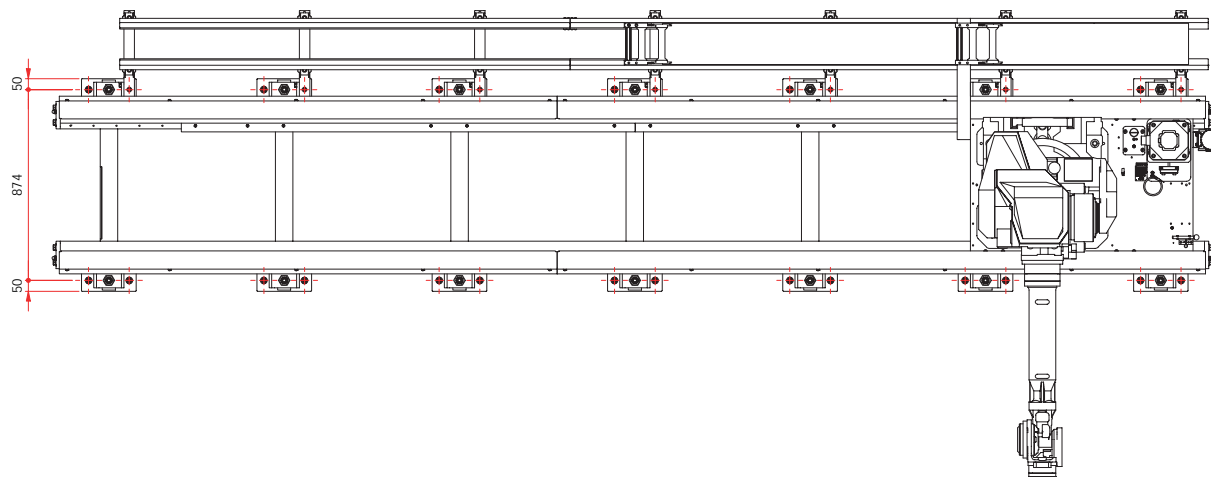
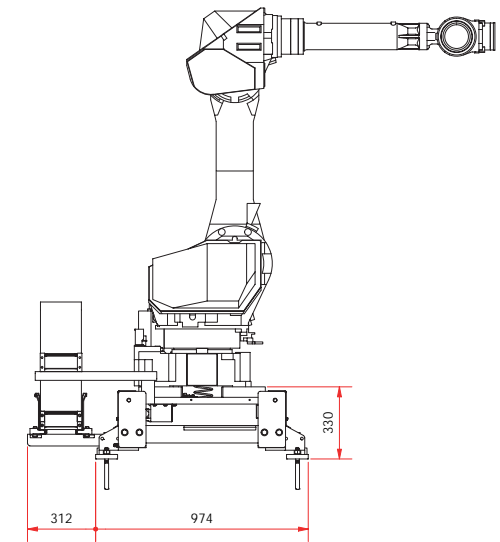
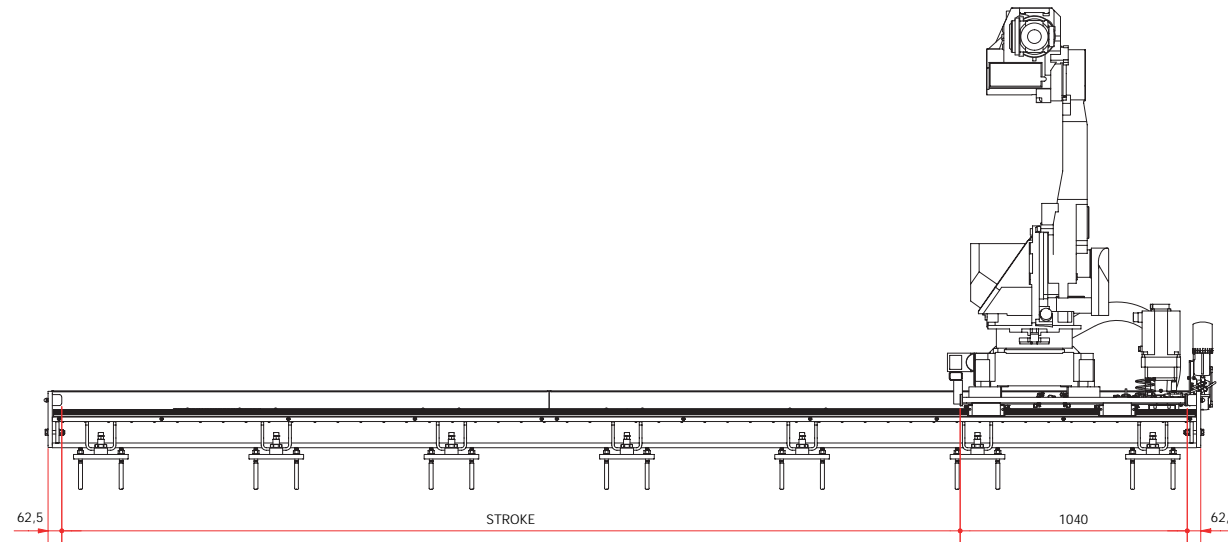
Robotrack SRMC-750-LC

Mounting Position	 FLOOR
Mass axis	180 kg/m
Guiding railsize	45
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

M-710 Series
R-1000 Series

SRMC-750-LC



FT65

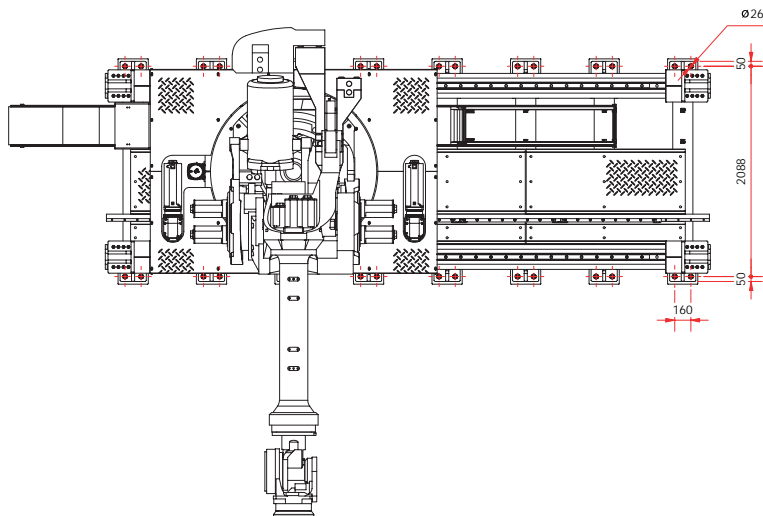
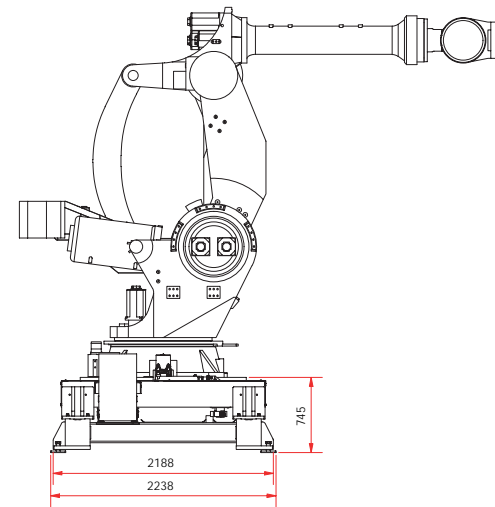
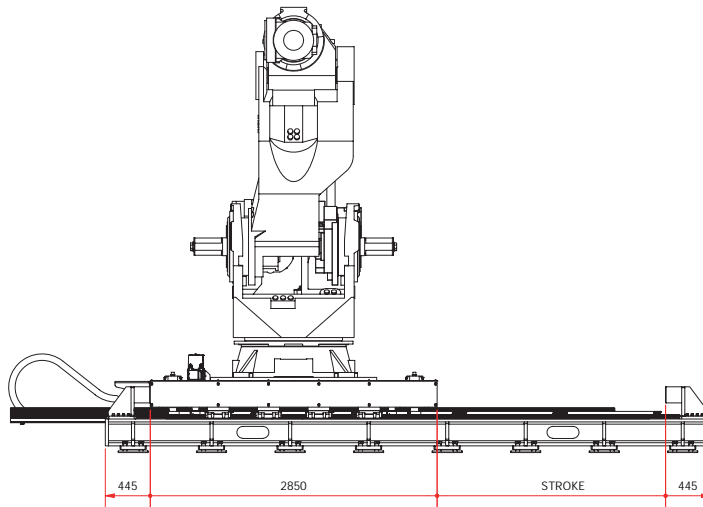


Robottrack FT65

Mounting Position	 FLOOR
Mass axis	780 kg/m
Guiding railsize	65
Rack	M5
Acceleration	1 m/s ²
Speed	1 m/s

Suitable FANUC Robots

M-1000
M-2000iA/900L
M-2000iA/1200



FT65-D

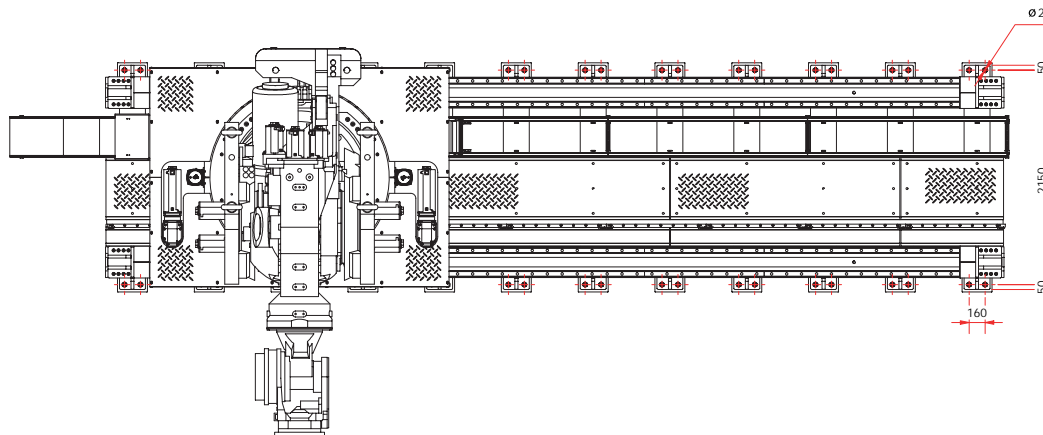
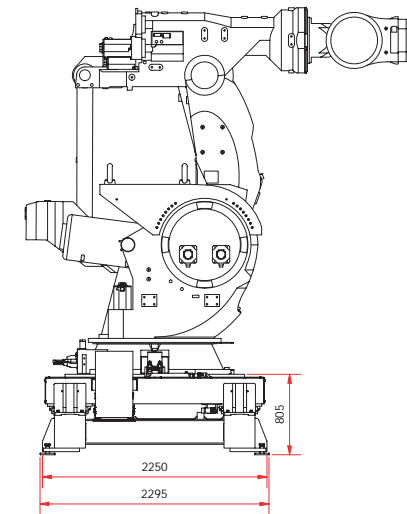
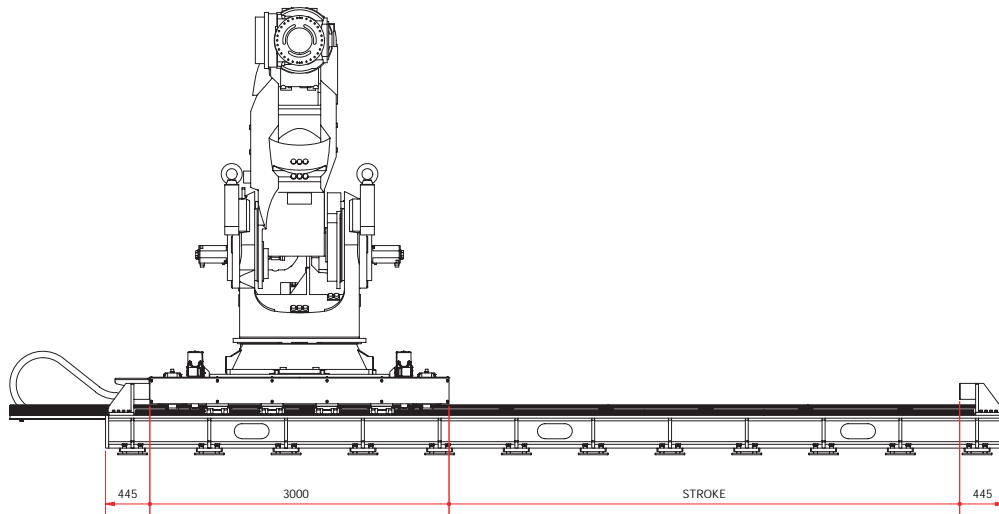


Robottrack FT65-D

Mounting Position	 FLOOR
Mass axis	935 kg/m
Guiding railsize	65
Rack	M5
Acceleration	1 m/s ²
Speed	1 m/s

Suitable FANUC Robots

M-2000iA/1700L
M-2000iA/2300



FT45-C0

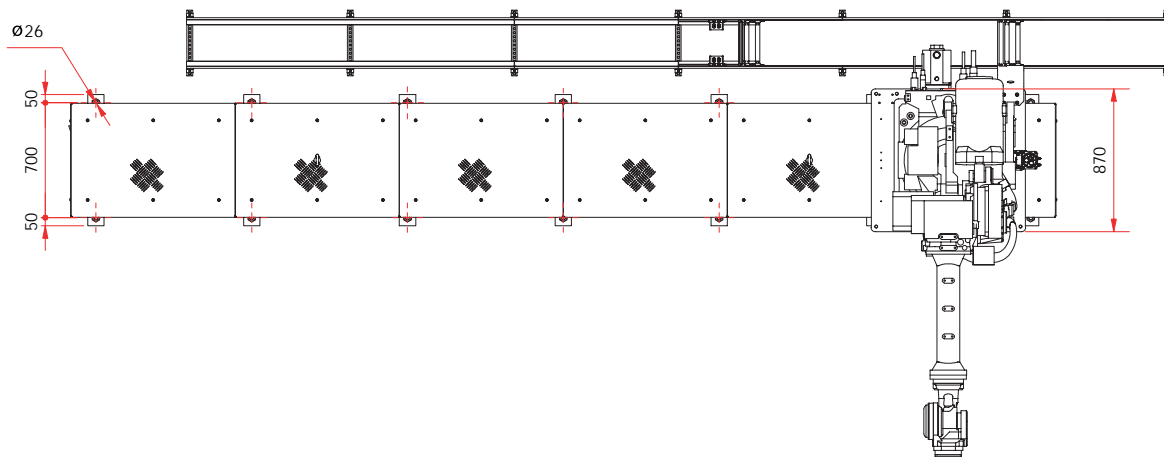
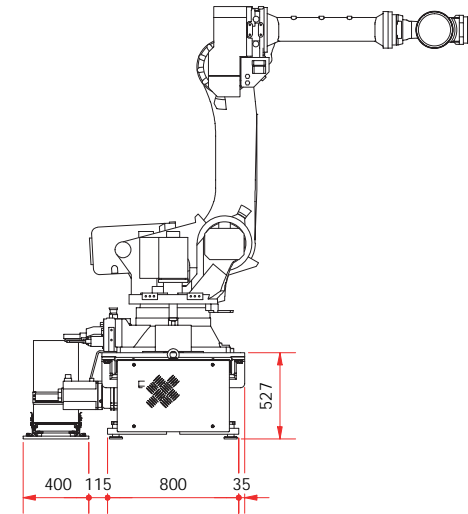
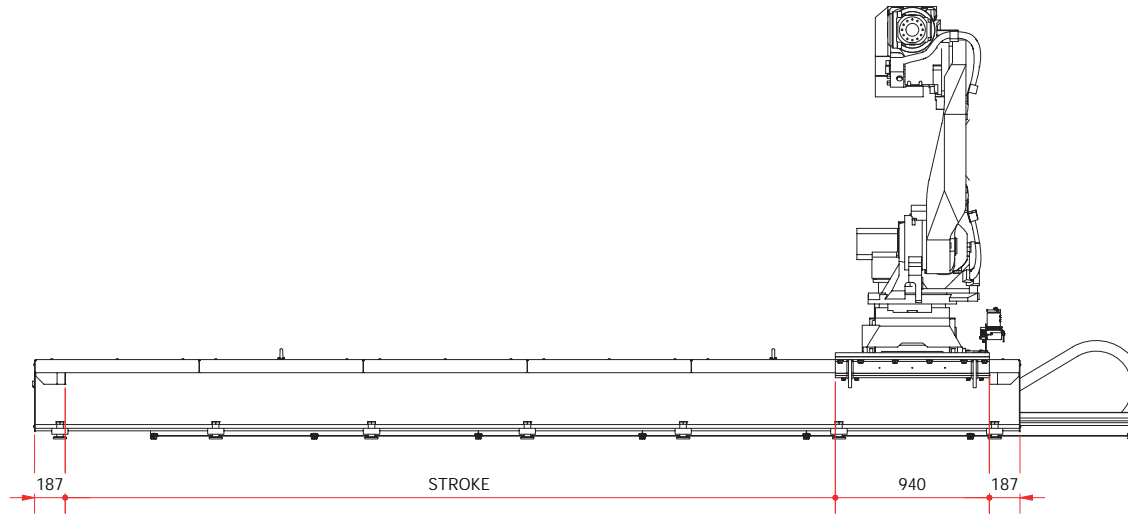


Robottack FT45-C0

Mounting Position	 FLOOR
Mass axis	405 kg/m
Guiding railsize	45
Rack	M4
Acceleration	2 m/s ²
Speed	2 m/s

Suitable FANUC Robots

R-1000 Series



PAINT



PAINT

We are able to build customized tracks for paint applications.

Linear guideways ball type are used as guides. Rack and pinion are used for the drive.

ATEX certificate Zone 2.

Tracks can be built for these FANUC robots

P-50 iB/10L

P-1000 iA

P-250 iB/15

P-350 iA/45

P-40 iA

**For more information,
please consult us.**

CLEANROOM

Vansichen Linear Technology built two types of tracks for applications in cleanroom conditions:

ISO class 7

Linear guideways ball type are used as guides. Rack and plastic pinion are used for the drive.

ISO class 4

Linear guideways ball type are used as guides. For the drive system a linear motor is used.

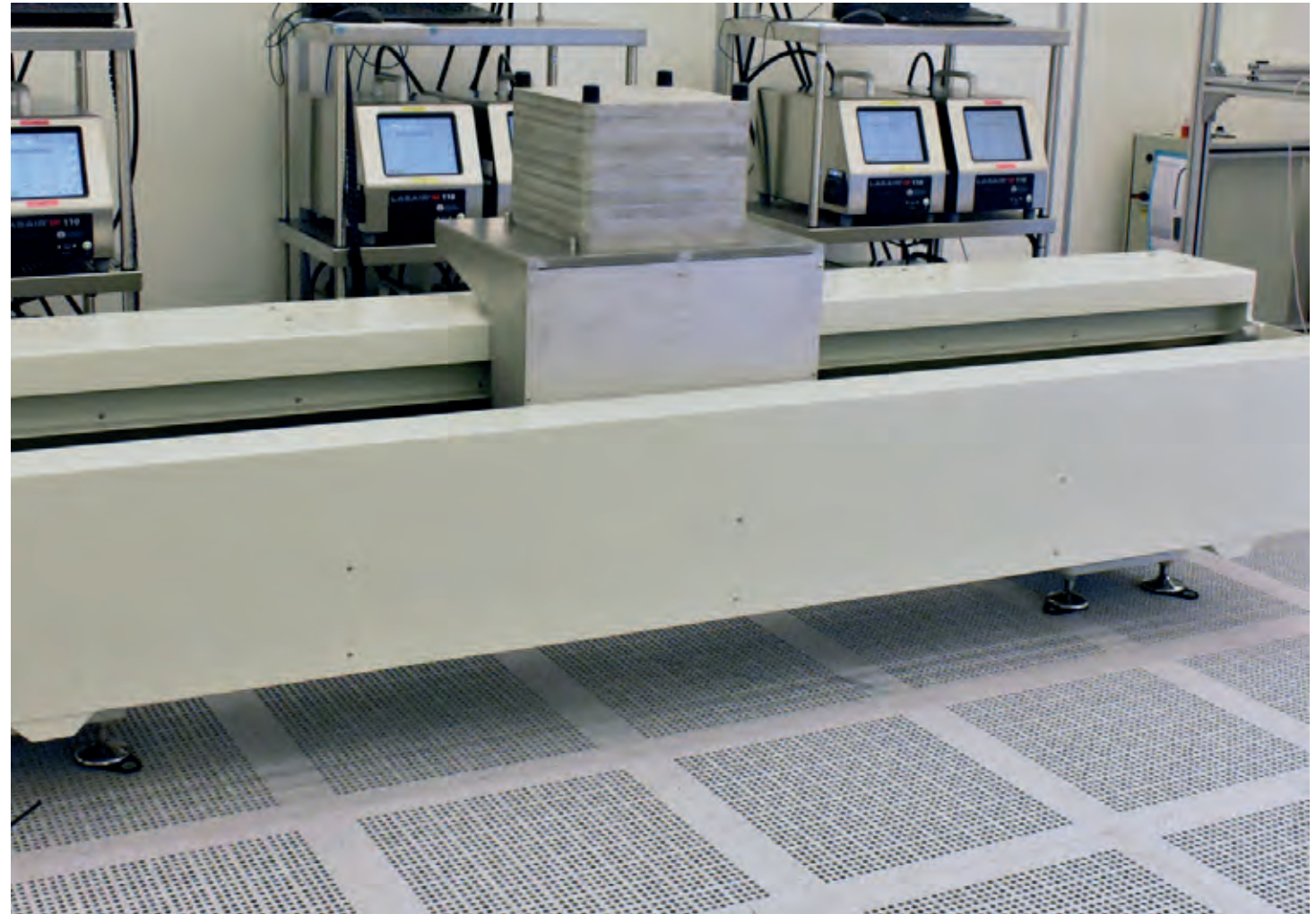
Tracks can be built for these FANUC robots

LR Mate 200 iD/4SC

M20 iB/25C

LR Mate 200 iD/7C

**For more information,
please consult us.**



GANTRY



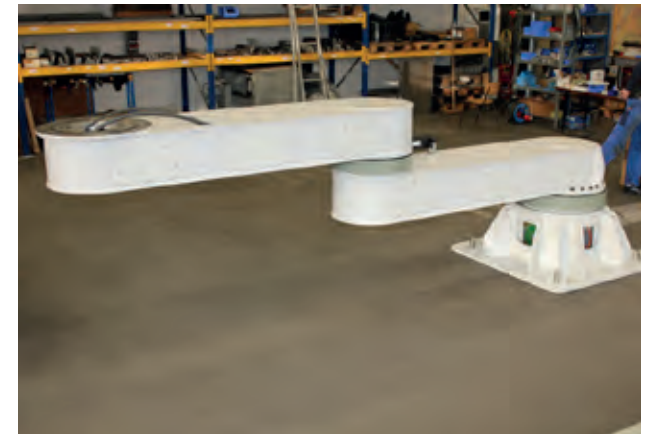
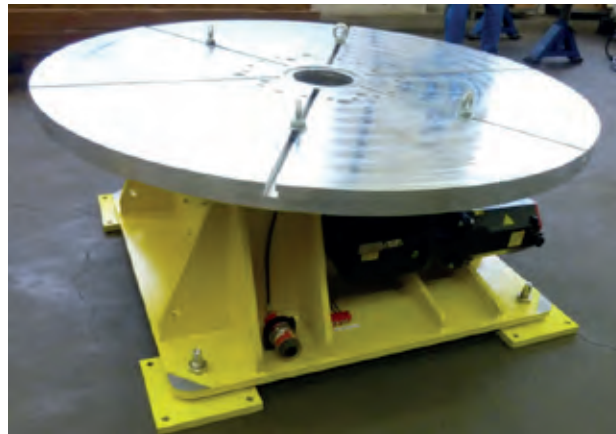
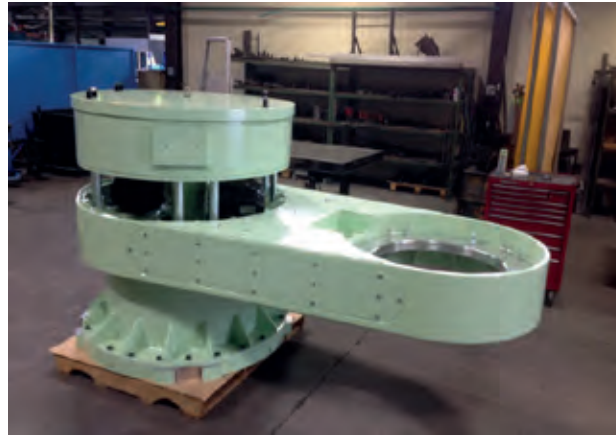
GANTRY

All Gantry systems are built according to customer requirements.

Linear guideways ball type are used as guides. Rack and pinion are used for the drive.

POSITIONERS

Vansichen Linear Technology builds positioner tables, one or multi-axis with a maximum load capacity up to 10 tonnes.



REALISATIONS



REALISATIONS



REALISATIONS



Track systems for FANUC

