

# **K-Track TRK500 and TRK2000**

## **linear tracks**

for Kawasaki Robotics robots



# K-Track TRK500 linear track



## TRK500 / TRK500-HD

Payload capacity: 500 / 800 kg  
 Maximum velocity: 2,0 / 1,4 m/s  
 Acceleration: 5 / 3,5 m/s<sup>2</sup>  
 Extended with sections of: 1-2 m  
 Basic height of the slider: 282 mm  
 Repeatability: +-0,05 mm

The linear track optionally equipped with:

- 2x Ethernet cable
- 8-pin signal cable
- Ø 8 mm pneumatic hose
- Ø 8 mm gas hose
- 32A 3-phase power cable
- 75 mm<sup>2</sup> welding ground cable

The cable outlets are located at the end of the cable guide.

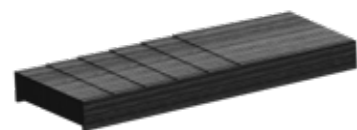


**OPT2: Z+ Pedestal** increases the reach of the robot arm. Depending on the requirements, maximum height may vary from 300 to 900 mm.

**OPT7: Mounting plate for heavy robots** allows for mounting RS030N, RS050N, RS080N, RD080N series robots on the slider.



**OPT3: Passive slider** gives the possibility of mounting a single welding machine and welding wire drum. Available in right or left variant.



**OPT8: Kevlar cover**, significantly decreases the contamination of the guideways and rack. Especially recommended in abrasive dust environment.



**OPT4: Automatic slider/sliders greasing system** is an additional device that lubricates the rack automatically.



**OPT1: Mounting plate for the welding machine**, allows one welder to be mounted directly on the slider.



**OPT6: Cleaning station mounting**, requires a pedestal. Allows for installation of a station that automatically cleans the tip of the welding torch.



**OPT9: Y+ Pedestal** increases the manipulators workspace height and its position relative to the center of the track. Depending on the chosen version the height may vary.



**The linear track** is constructed from a steel body, linear bearings, and a rack. It can be extended with 1- or 2-meter sections.



**Slider with cable guide** equipped with a planetary gearbox and a Kawasaki Robotics servomotor. Optionally it includes pre-wired power, communication and gas hoses. There is a possibility of mounting robots with payload capacity of up to 20 kg or robots with payload capacity from 30 to 80 kg with appropriate options.

\* OPT6 requires OPT2 or OPT9

# K-Track TRK2000 linear track



## TRK2000-HS / TRK2000 / TRK2000-HD

Payload capacity: 1 200 / 2 000 / 3 000 kg  
 Maximum velocity: 1,6 / 1,2 / 0,8 m/s  
 Acceleration: 2 / 1,5 / 1,2 m/s<sup>2</sup>  
 Extended with modules of: 2 m  
 Basic height of the slider: 349,5 mm  
 Repeatability: +/-0,05 mm

- The linear track optionally equipped with:
- 2x Ethernet cable
  - 8-pin signal cable
  - Ø 8 mm pneumatic hose
  - Ø 8 mm gas hose
  - 32A 3-phase power cable
  - 75 mm<sup>2</sup> welding ground cable

The cable outlets are located at the end of the cable guide.



**OPT6: Welding boom** allows the robot to be mounted inverted under the boom which significantly increases its workspace. There is a possibility of adding additional linear axis and adjusting vertical and horizontal extension.



**OPT9: Additional linear axes** mounted on a column boom allow the robot to move along the Z or Y axis.



**OPT2, 3: Z+ Pedestal** increases the height of the robot arm's workspace. There is a possibility of adjusting the height and the shift.



**OPT4: X+ Pedestal** designed for two BA or RA series robots. Mounted on the slider.



**OPT13: Mounting plate** allows for the installation of KJ series robots.



**Slider with cable guide** equipped in a planetary gearbox and a Kawasaki Robotics servomotor. Optionally it includes pre-wired power, communication, gas hoses. There is a possibility of mounting robots with payload capacity of over 30 kg and additional pedestals or welding booms.



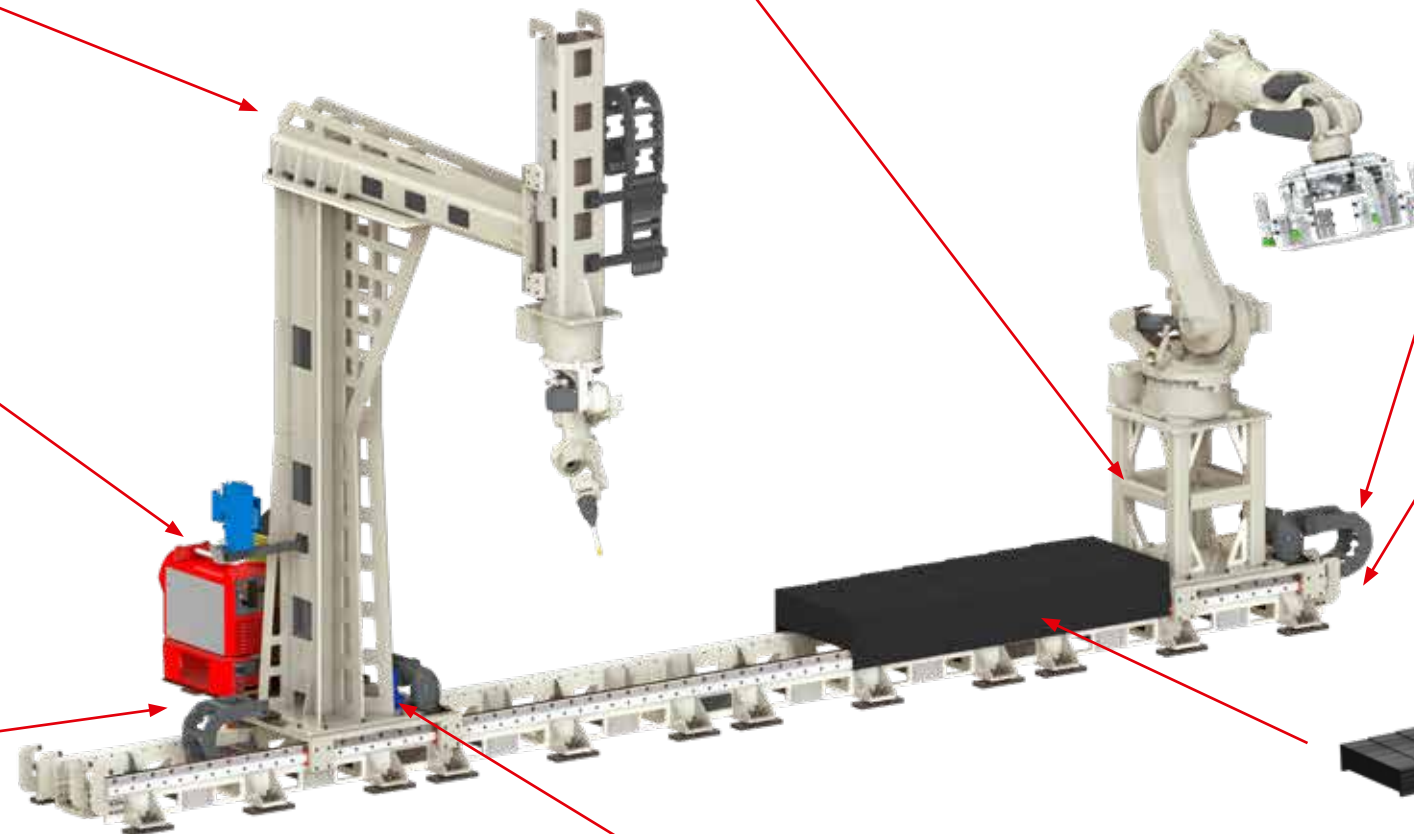
**OPT11: Cleaning station mounting**, allows the installation of a station which can automatically clean the tip of the welding torch.



**OPT1: Mounting plate for welder and welding wire drum**, allows for mounting the welding machine and welding wire drum on the back of the slider with no impact on the travel length of the slider.



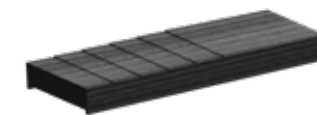
**OPT5: Passive slider** available in right or left variant. It allows for mounting a single welding machine and a welding wire drum.



**Linear track extended by 2 m sections**  
 The linear track is constructed from a steel body, linear bearings, and a rack. It can be extended with 2-meter sections.



**OPT7, 8: Automatic slider greasing system** is an additional device which lubricates the rack automatically.



**OPT10: Kevlar cover**, significantly decreases the contamination of the guideways and the rack. Especially recommended in abrasive dust environment.

# Pedestals for TRK500 linear track



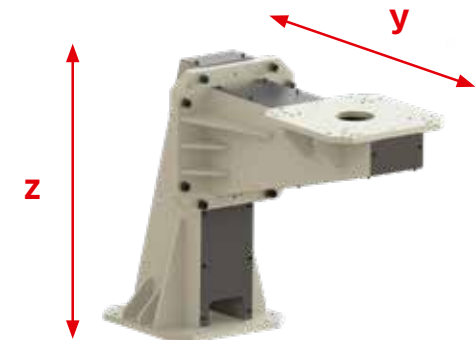
## OPT1: Z+ Pedestal

„Z” height [mm]	Compatible Kawasaki Robotics robots
328, 648, 900*	RS010L, RS020N, RS025N, RA007L, RA013N, RA013L, RA025N, BA series – all models
300**	RS030N, RS050N, RS080N, RD080N

\* possibility to adjust the height from 300 to 900 mm

\*\* possibility to adjust the height to max. 300 mm

Pedestal mounted on the slider allows to increase the range of the robot’s arm. Depending on the variant, the maximum height can be 300 or 900 mm.



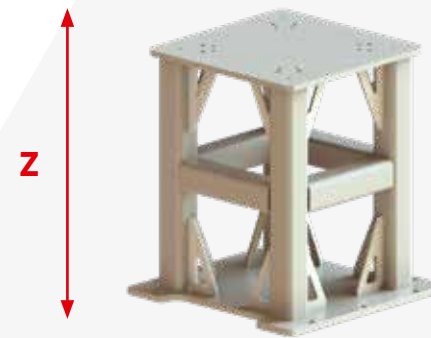
## OPT9: Y+ Pedestal

„Z” height [mm]	„Y” shift [mm]	Compatible Kawasaki Robotics robots
986	848, 878*	RS006L, RA006L, RS010N, RA007L, RA013N, RA013L, RA025N, BA series – all models
736	848, 878*	

\* Referring the BA series

Pedestal mounted on the slider allows to increase the reach of the robot’s arm and the position of the robot over the track.

# Pedestals for TRK2000 linear track

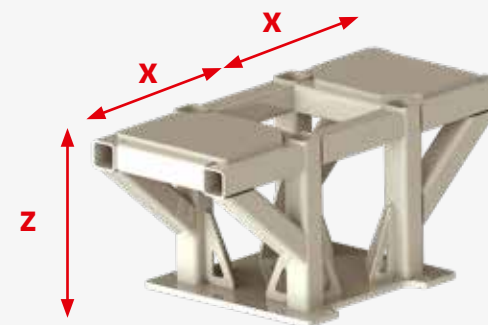


## OPT2, 3: Z+ Pedestal

„Z” height [mm]	Compatible Kawasaki Robotics robots
842*	BXP100N, BXP110S, BXP165N, BXP110L, BXP165L, BXP210L, BXP200R, RS015X, RS030N, RS050N, RS080N, RD080N, BTP series
300, 400, 500, 700*	RS015X, RS030N, RS050N, RS080N, RD080N, BA series

\* possibility to adjust the height

Pedestal mounted on the slider allows to increase the reach of the robot’s arm. Depending on the chosen model the height may vary.



## OPT4: X+ Pedestal

„Z” height [mm]	„X” shift [mm]	Compatible Kawasaki Robotics robots
632	490	BA series, RA series

Pedestal compatible with two BA or RA series robots. Mounted on the slider. It allows for the processing of workpieces with double efficiency using robots mounted 980 mm apart.

## Contact Us

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Check the portfolio  
of linear tracks:

