

# HIWIN®

Motion Control & Systems



## Positioning systems

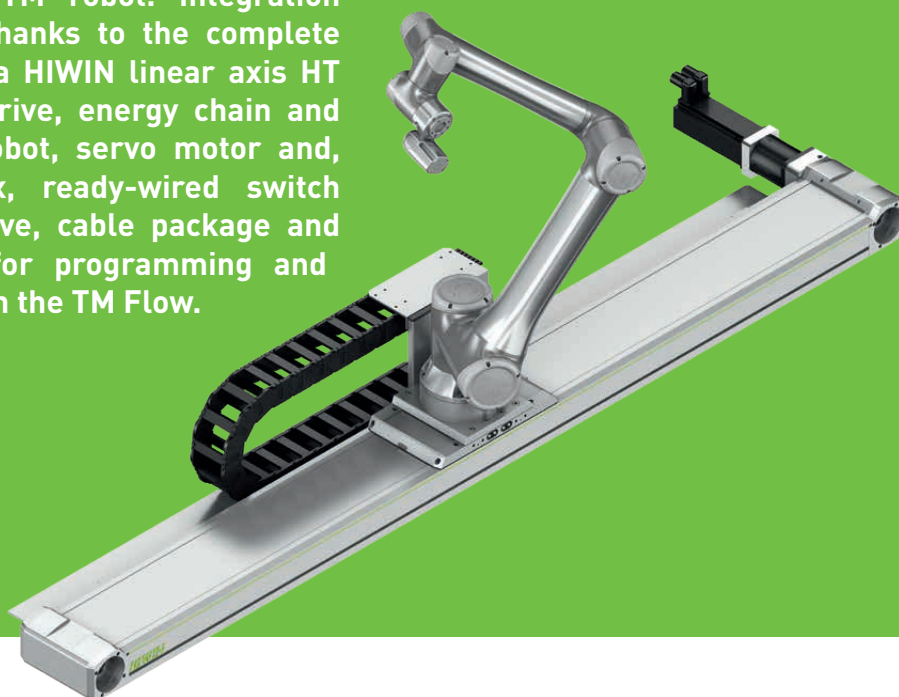
7th Axis Kit TM

TMPlug&Play  
CERTIFIED



## 7th Axis Kit for TM12

What can robots really do? With the TM certified plug & play solution: The HIWIN 7th Axis Kit conveniently and flexibly expands the working space of a TM robot. Integration is quick and easy – thanks to the complete solution consisting of a HIWIN linear axis HT with belt or spindle drive, energy chain and adapter for the TM robot, servo motor and, if necessary, gearbox, ready-wired switch cabinet with servo drive, cable package and the TM components for programming and controlling the axis with the TM Flow.



### Types:

Robot	Model	Axis type	Size	Drive type	Model
Techman Robot	TM5-700	HT	200	Toothed belt	<b>HTB kit for TM5-700</b>
	TM5-700	HT	200	Ballscrew	<b>HTS kit for TM5-700</b>
	TM5-900	HT	200	Toothed belt	<b>HTB kit for TM5-900</b>
	TM5-900	HT	200	Ballscrew	<b>HTS kit for TM5-900</b>
	TM12	HT	250	Toothed belt	<b>HTB kit for TM12</b>
	TM12	HT	250	Ballscrew	<b>HTS kit for TM12</b>
	TM14	HT	250	Toothed belt	<b>HTB kit for TM14</b>
	TM14	HT	250	Ballscrew	<b>HTS kit for TM14</b>



Do you have questions about the HIWIN 7th Axis Kit?  
Write to us at [tm@hiwin.de](mailto:tm@hiwin.de)

# Positioning systems

## 7th Axis Kit for TM12

### Product overview

Collaborating robots are used in a wide variety of applications. For many applications, however, the range of the smart robots is not enough. The HIWIN 7th Axis Kit consists of the ready-to-install 7th axis including robot adapter, limit switch, energy chain and drive adaption as well as the Linear Motion Plug & Play for TM including ready-wired switch cabinet with servo drive, servo motor and cables. The centrepiece is the certified TM software (components).

#### 7Th axis

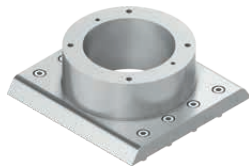
##### Linear axis HT

Aluminium linear axis HT and the lightweight robots complement each other perfectly, both visually and technologically. The stroke length of the axes can be freely selected in mm increments. There is a wide variety of options (such as cover strips). Toothed belts or ballscrews are available as drive elements. The linear axes are optimised for horizontal installation. Systems for vertical use on request.



##### Robot adapter

The axes are supplied including robot adapter for the TM5, TM12 or TM14. The required fastening material for the robot is included in the scope of delivery.



##### Energy chain

Generously dimensioned energy chains provide space for safely carrying the supply line of the TM Robot as well as additional peripheral equipment. They are extremely compact and save space when attached to the axis. Various options are available for orientation of the energy chain.



#### Linear Motion Plug & Play for TM

##### Switch cabinet

Wired ready for connection, including servo drive and servo motor from SEW, the switch cabinet is just waiting to be connected to the TM control.



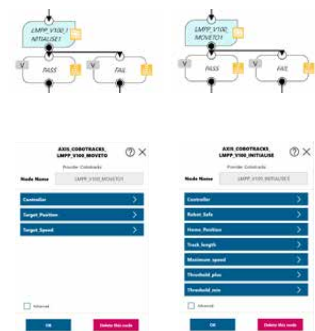
##### Cable package

Cable packages in different lengths are available for connection of the axis to the switch cabinet as well as connection from the switch cabinet to the TM control.



##### TM components

With the TM software plug-in, the 7th Axis Kit is very easy to install and program. In the components, all settings and parameters are displayed so clearly that configuration is accomplished in the shortest possible time. The components are delivered on a USB stick and includes a lifetime license (one-time purchase).



## Advantages at a glance

### Certified plug & play solution

Our HIWIN linear axes generate and guide movement. Together with our system partner Cobotracks, we offer you ready-to-install axes for extending the range of your TM robot. Peripheral equipment tailored for your success!

### TM components

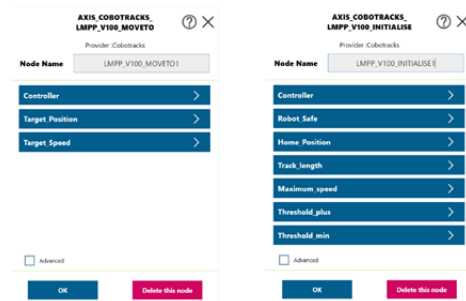
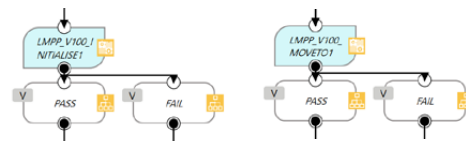
Get inspired by the TM Plug & Play-certified components from our partner Cobotracks for fast and easy integration of the linear axis into your robot control.

#### Initialise component

- Installation in less than 30 minutes
- Setting properties: Stroke and maximum speed
- Definition of the collision threshold

#### Moveto component

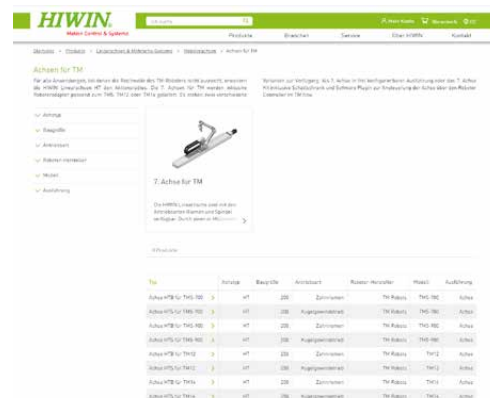
- Integration of the 7th Axis Kit into the TM robot control via TMflow
- Can be programmed with absolute or relative values
- Unlimited number of positions
- Adjustable speed



### At the push of a button

Selecting the right product is just as easy as integrating the 7th axis into your TM control. Visit our online portal at [www.hiwin.de](http://www.hiwin.de) and select the 7th axis for your application in the configurator. The simple menu navigation helps you quickly find the right axis for your TM. The CAD data will then be available to download right away. Just one more click gets you to our web shop. Try it out! Click here to go directly to the online configurator with CAD box and web shop:

[www.hiwin.de/en/Products/Linear-axes-multi-axis-systems/Robot-axes/Axes-for-TM/c/](http://www.hiwin.de/en/Products/Linear-axes-multi-axis-systems/Robot-axes/Axes-for-TM/c/)



Do you have questions about the HIWIN 7th Axis Kit?  
Write to us at [tm@hiwin.de](mailto:tm@hiwin.de)





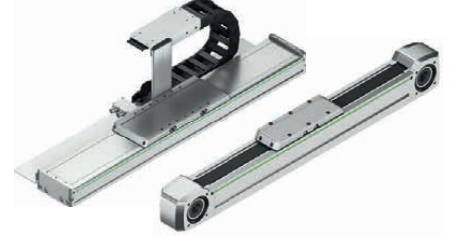
# We live motion.



Linear Guideways



Ballscrews



Linear Axes



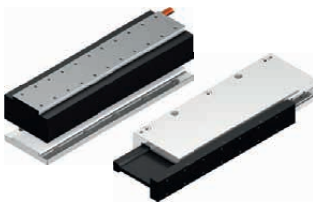
Linear Axis Systems



Torque Motors



Robots



Linear Motor Components



Rotary Tables



Drives & Servo Motors

## Germany

HIWIN GmbH  
Brücklesbünd 1  
D-77654 Offenburg  
Phone +49 (0) 7 81 9 32 78 - 0  
Fax +49 (0) 7 81 9 32 78 - 90  
info@hiwin.de  
www.hiwin.de

## Taiwan

Headquarters  
HIWIN Technologies Corp.  
No. 7, Jingke Road  
Taichung Precision Machinery Park  
Taichung 40852, Taiwan  
Phone +886-4-2359-4510  
Fax +886-4-2359-4420  
business@hiwin.tw  
www.hiwin.tw

## Taiwan

Headquarters  
HIWIN Mikrosystem Corp.  
No. 6, Jingke Central Road  
Taichung Precision Machinery Park  
Taichung 40852, Taiwan  
Phone +886-4-2355-0110  
Fax +886-4-2355-0123  
business@hiwinmikro.tw  
www.hiwinmikro.tw

## France

HIWIN GmbH  
4, Impasse Joffre  
F-67202 Wolfisheim  
Phone +33 (0) 3 88 28 84 80  
info@hiwin.fr  
www.hiwin.fr

## Italy

HIWIN Srl  
Via Pitagora 4  
I-20861 Brugherio (MB)  
Phone +39 039 287 61 68  
Fax +39 039 287 43 73  
info@hiwin.it  
www.hiwin.it

## Poland

HIWIN GmbH  
ul. Putawska 405a  
PL-02-801 Warszawa  
Phone +48 22 544 07 07  
Fax +48 22 544 07 08  
info@hiwin.pl  
www.hiwin.pl

## Switzerland

HIWIN Schweiz GmbH  
Eichwiesstrasse 20  
CH-8645 Jona  
Phone +41 (0) 55 225 00 25  
Fax +41 (0) 55 225 00 20  
info@hiwin.ch  
www.hiwin.ch

## Slovakia

HIWIN s.r.o., o.z.z.o.  
Mládežnícka 2101  
SK-01701 Považská Bystrica  
Phone +421 424 43 47 77  
Fax +421 424 26 23 06  
info@hiwin.sk  
www.hiwin.sk

## Czech Republic

HIWIN s.r.o.  
Medkova 888/11  
CZ-62700 Brno  
Phone +42 05 48 528 238  
Fax +42 05 48 220 223  
info@hiwin.cz  
www.hiwin.cz

## Austria

HIWIN GmbH  
info@hiwin.at  
www.hiwin.at

## Netherlands

HIWIN GmbH  
info@hiwin.nl  
www.hiwin.nl

## Romania

HIWIN GmbH  
info@hiwin.ro  
www.hiwin.ro

## Slovenia

HIWIN GmbH  
info@hiwin.si  
www.hiwin.si

## Hungary

HIWIN GmbH  
info@hiwin.hu  
www.hiwin.hu

## Denmark

HIWIN GmbH  
info@hiwin.dk  
www.hiwin.dk

## China

HIWIN Corp.  
www.hiwin.cn

## Japan

HIWIN Corp.  
mail@hiwin.co.jp  
www.hiwin.co.jp

## USA

HIWIN Corp.  
info@hiwin.com  
www.hiwin.com

## Korea

HIWIN Corp.  
www.hiwin.kr

## Singapore

HIWIN Corp.  
www.hiwin.sg