



LINEAR MOTION PLUG & PLAY

ABOUT COBOTRACKS

Cobotracks is located at the technology park “Thor Park” in Genk Belgium. It offers solutions to companies who would like to extend the reach of their cobot. The cobot can move across a linear track and for example stack multiple pallets.

For Techman Robot Cobotracks developed the “Linear Motion Plug & Play”. This kit has compatible software for the Techman Robot which guarantees a plug & play solution. For other cobot brands the “Linear Motion Axis” and the “Linear Motion Kit” offers the solution to extend their range. Cobotracks uses the “Linear Motion Plug & Play” solution as the base to offer customized solutions for each cobot application.

COBOTRACKS STANDS FOR:



EXPERTISE



CUSTOMIZED



QUALITY



**SHORT
COMMUNICATION
LINES**



FEATURES

- /// Robust industrial steel design
- /// Aluminum and stainless solutions available
- /// High accuracy
- /// 100% cycle time with 100% load on robot
- /// Customized solutions
- /// Length up to 50m
- /// Collision detection
- /// TM Component Software
 - » Easy to install and program
 - » Adjustable speed
 - » Infinite programming points



APPLICATIONS

EXTEND THE REACH OF YOUR COBOT



**MULTIPLE MACHINE
TENDERING**



**MULTIPLE PALLET
PALLETISING**



**WELDING
BIG PARTS**

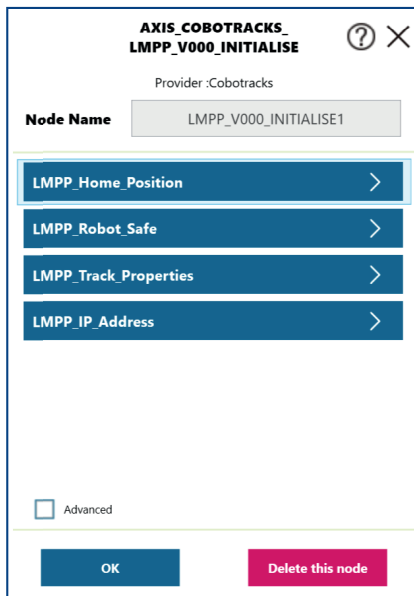


**POLISHING &
GLUING BIG PARTS**

TM COMPONENT SOFTWARE

Set-up: initialisation component

- “ The installation can be done in less than 30 min
- “ Automatic IP search function
- “ Properties track to set: track length and maximum speed
- “ Set collision detection threshold



Programming: move to component

- “ Use the component
- “ Program a target position
- “ Program a target speed



LINEAR MOTION PLUG & PLAY INCLUDES

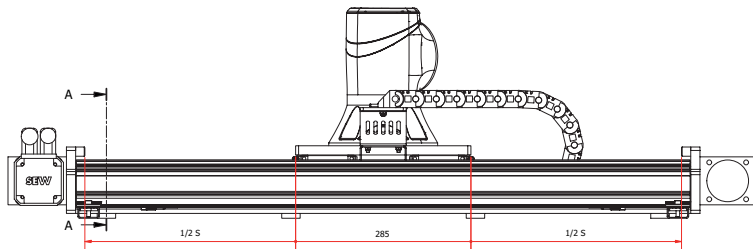
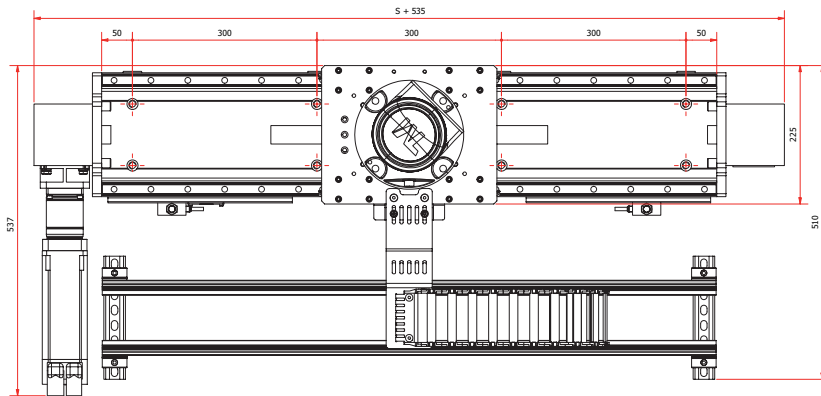
- ▣ Axis with limit switches
- ▣ SEW servo motor
- ▣ Planetary gearbox
- ▣ Cables cable chain
- ▣ Control box with SEW drive
- ▣ Motor and power cables
- ▣ USB with TM component software
- ▣ English instruction manual

Examples of customized solutions

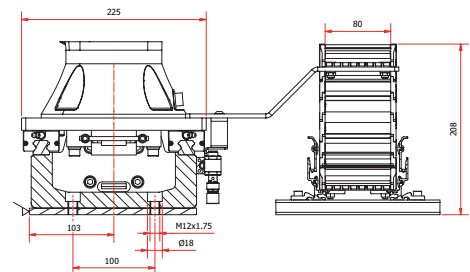
- ▣ Folding bellows
- ▣ Long lengths based on rack and pinion
- ▣ 90° carriage
- ▣ Additional support structure
- ▣ High speed variant
- ▣ 200V power supply



LMPP5-B



A-A (1:3)

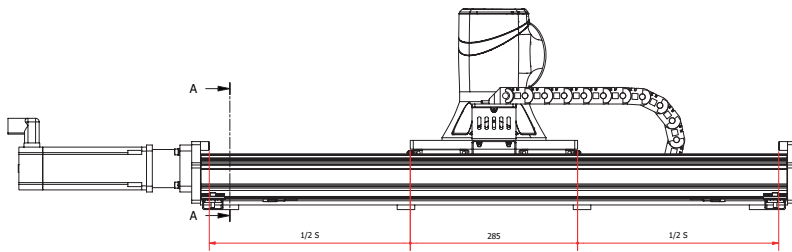
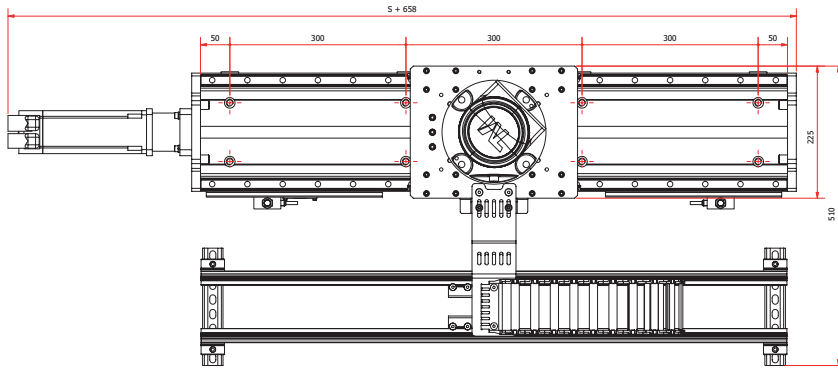


LMPP5-B	
Robot type	TM5 Series
Drive	Toothed belt
Max. stroke [mm]	8000*
Max. speed [mm/sec]	250
Duty cycle [%]	100
Repeatability [mm]	0.1
Material	Steel**
Ambient temperature [°C]	-10 °C to 60 °C
Electrical input	380V - 400V
Base weight [kg]	37
Weight [per 100mm]	5.8

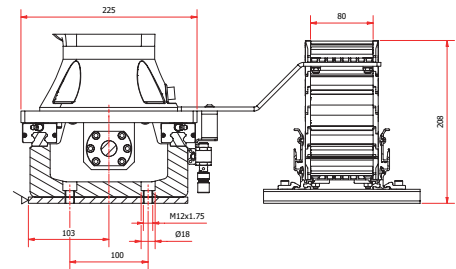
* Longer stroke possible based on rack and pinion drive

** Aluminum or stainless steel possible

LMPP5-BS



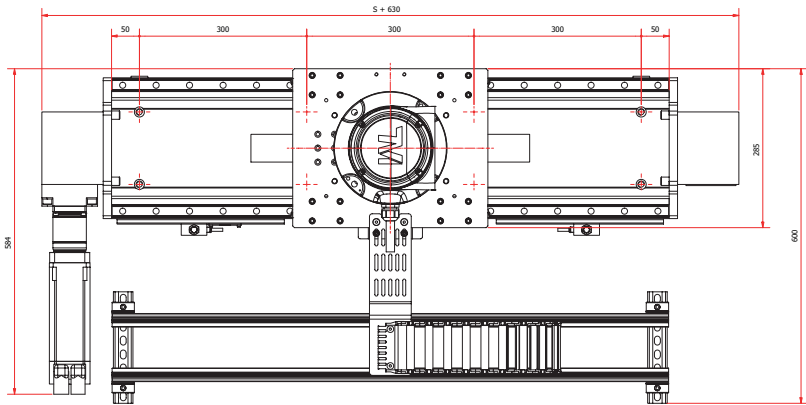
A-A (1 : 3)



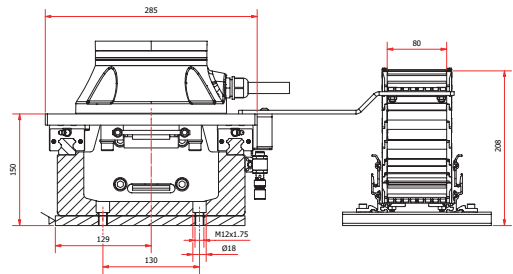
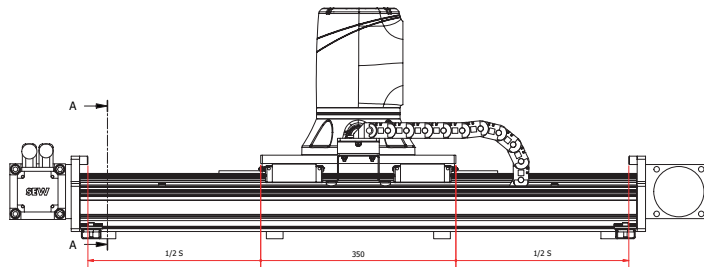
LMPP5-BS	
Robot type	TM5 Series
Drive	Ballscrew
Max. stroke [mm]	2500
Max. speed [mm/sec]	250
Duty cycle [%]	100
Repeatability [mm]	0.1
Material	Steel*
Ambient temperature [°C]	-10 °C to 60 °C
Electrical input	380V - 400V
Base weight [kg]	35
Weight [per 100mm]	6

* Aluminum or stainless steel possible

LMPP14-B



A-A (1 : 3)

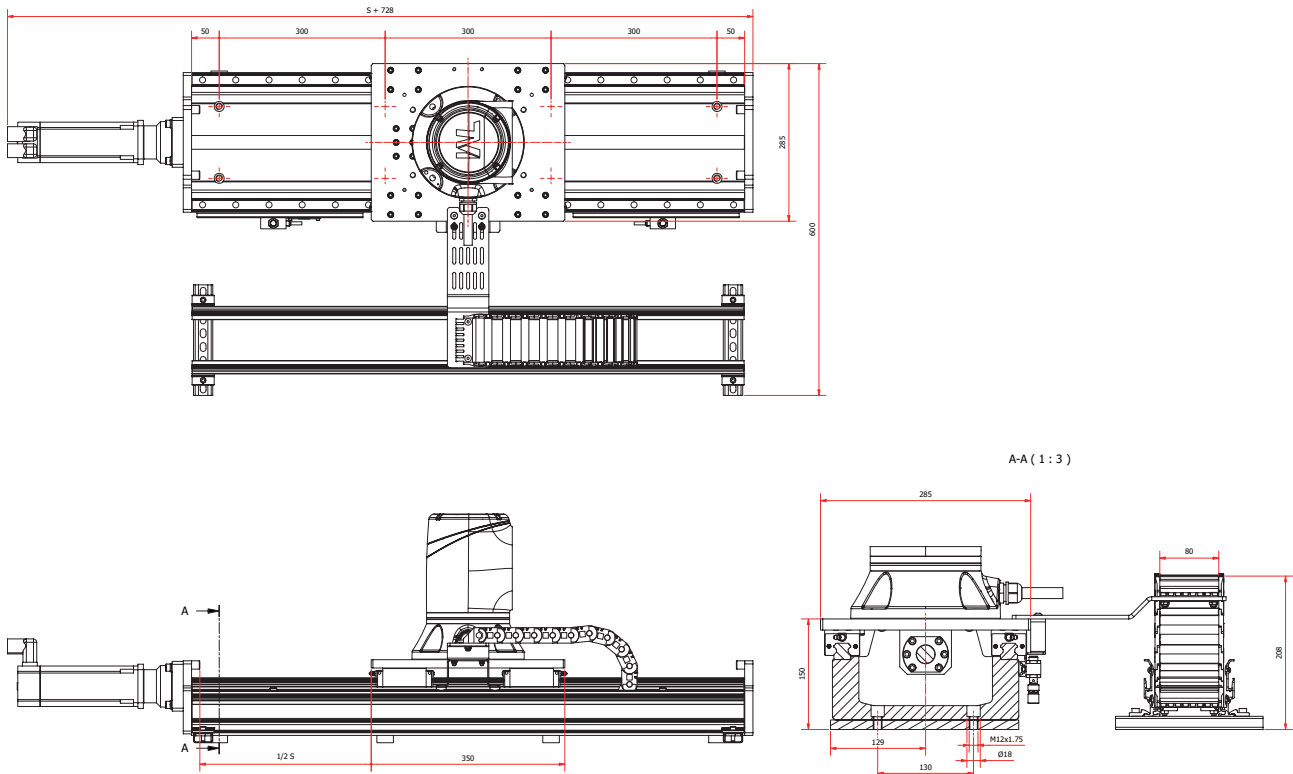


LMPP14-B	
Robot type	TM12 & TM14
Drive	Toothed belt
Max. stroke [mm]	8000*
Max. speed [mm/sec]	250
Duty cycle [%]	100
Repeatability [mm]	0.1
Material	Steel**
Ambient temperature [°C]	-10 °C to 60 °C
Electrical input	380V - 400V
Base weight [kg]	65
Weight [per 100mm]	8.7

* Longer stroke possible based on rack and pinion drive

** Aluminum or stainless steel possible

LMPP14-BS



LMPP14-BS	
Robot type	TM12 & TM14
Drive	Ballscrew
Max. stroke [mm]	2500
Max. speed [mm/sec]	250
Duty cycle [%]	100
Repeatability [mm]	0.1
Material	Steel*
Ambient temperature [°C]	-10 °C to 60 °C
Electrical input	380V - 400V
Base weight [kg]	61
Weight [per 100mm]	9.1

* Aluminum or stainless steel possible



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