Technical data

Linear Transport Module LTM-V

LTM-V
The LTM is a quickly cycling linear transport module that permits high machine outputs depending on the design of the Pick and Place stations. The LTM-V offers highest accuracy, high speed, uniform movement, high resilience, flexible step length and module widths, and different standard lengths. The time for workpiece carrier transport is reduced to a minimum. This means more process time is available for the actual application. The empty workpiece carriers run space-savingly back on the bottom of the linear transport module. The LTM can be equipped with 6 – 31 workpiece carriers depending on the working length; the graduation is 5 workpiece carriers per middle module.

Speed	up to 180 cycles/min
Repeat accuracy	+/- 0.1 mm
Infeed lengths	10, 20, 30, 40, 60, 80, 90, 120, 180, 240 mm or continuous operation
Infeed time	0.1-0.5 seconds, depending on infeed length and WC payload
Drilling pattern for WC attachment	Individually according to customer requirement

Type	LTM-V-100-XXXX	LTM-V-180-XXXX
Working length L1 without middle module	720 mm	720 mm
Working length/middle module	600 mm	600 mm
Max. working length	3720 mm	3720 mm
Max. number of middle modules	5	5
Number of WC without middle module	6	6
Additional WC/middle module	5	5
WC length	120 mm	120 mm
WC width A	100 mm	180 mm
WC height	12 mm	12 mm
Max usable WC area	80 x 118 mm	160 x 118 mm
Max WC cavity height	80 mm	80 mm
Max payload/WC	3 kg	3 kg

Length graduation	Number of middle modules	L1
Basic configuration (drive module + deflection module)	0	720 mm
Basic configuration + 1 middle module	1	1320 mm
Basic configuration + 2 middle modules	2	1920 mm
Basic configuration + 3 middle modules	3	2520 mm
Basic configuration + 4 middle modules	4	3120 mm
Basic configuration + 5 middle modules	5	3720 mm

Advantages

- Suitable for quickly cycled or continuous small to medium automation tasks
- Linear arrangement of stations and feeding systems
- Excellent accessibility to the stations
- Process stations can act on the workpiece carriers from above and below
- Compact, modular design