

# Technical information for pneumatic gantry modules

## Note:

Pneumatically activated gantry modules in lengths as requested.

Drive is through a rodless cylinder integrated in the slide.

Three sizes are available with rail guide or round guides and travel up to 5000 mm with a repeat accuracy of  $\pm 0.02$  mm.

## Application:

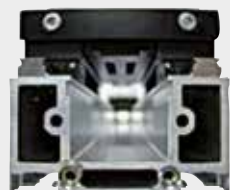
Gantry modules can be used anywhere loads are to be precisely guided. The profile structure with integrated drive cylinder is particularly well suited to cost-efficient integration in machining and assembly plants. The load bearing profile guarantees extreme rigidity with low module weight. The gantry module does not require a stable base structure, it is stable on its own and so is a load-bearing and space-saving element within a total system.

## Features:

These gantry modules are constructed from heavy-duty, stiffened aluminium profiles. The user can choose between rail guide or round guide system. The structural dimensions of both guidance systems are identical. The gantry modules can be mounted in any position.

## Advantages:

- low coefficients of friction due to rollers convert piston power almost entirely into motion force.
- low deflection makes high span sizes and long travel possible.
- optimised construction sizes with large piston diameters.
- high run accuracy.
- heavy loads possible due to stiffened self-supporting aluminium profiles.
- integrated shock absorbers and proximity switches can be mounted.
- steel cylinder cover (except for 20200-1065X0500).
- optional: several intermediate positions possible.



Rail guide



Round guide

