



Special system based on standardized belt conveyors

Reference

“A custom system always raises many questions. Flexible and modular products are essential for this, as is a reliable partner. Montech has won us over again and again with its expert advising and solution-oriented action. In addition, there is its high quality standard and flexibility of its products. Because their standardized belt conveyors are modular, we profit from short lead times even for our custom system.”

- Remo Kissling, CEO Pneutronic AG

The challenge

Pneutronic AG has been analyzing processes and creating systems for more than 30 years. Its solutions include automation and robotics, software engineering and control technology, and controllers for fine cutting presses. For this, Pneutronic uses Montech's standardized TB30 and TB40 belt conveyors. Because their quality and the professional and easy cooperation with this Swiss company have won us over repeatedly, Pneutronic also uses Montech solutions to build custom systems. We worked with Pneutronic to plan a robot system that is in operation 24 hours a day and conveys material of various types for further processing. Critical here was especially the different types of workpieces; the system had to be able to transport loose and very thin parts. Furthermore, requests were made for an appropriate substructure and a compact design.

The solution

The standardized belt conveyors and the aluminum framing system form the basis for the custom system. Thanks to their modular construction, we have adjusted these so that they meet Pneutronic's needs precisely. Specifically: So that the very thin parts don't get hung up while being conveyed or get jammed, the side guides were made larger. We made the desired cut-outs on the belt conveyors in advance. And thanks to the modular aluminum framing system, the substructure can be adjusted after the fact if needed. Precisely with a custom system, this is important, because certain things are only revealed during assembly.

“Montech's online configurator was very helpful for the design of our custom system. The CAD data can be integrated perfectly into the plans.”

- Remo Kissling, CEO Pneutronic AG

Benefits for the customer

- Sustainable, profitable cooperation thanks to geographic proximity
- Standardized conveyor belts with the option of individual modifications
- Pre-mounted, tested custom systems delivered on customer request – including quick delivery times
- Personal service and professional support from selection to design and delivery of the products
- Complete solutions from a single source
- High-quality products with a compact, aesthetic design thanks to the motors integrated into the driver rollers
- Modular aluminum framing system with the possibility to make after-the-fact adjustments
- Personal service and professional support from selection to design and delivery of the products
- Ready-to-operate custom system – no work after the fact is required

“Montech provides service writ large. For our custom system, we received the MonTouch operating and parameterization unit. With it, we could test various speeds and program them precisely according to our needs. Such easy and flexible service is not a given.”

- Remo Kissling, CEO Pneutronic AG

Technical specifications

Infeed belt	TB40-300 belt conveyor, L = 257.99", incl. floor stands with working height of 29.68"
Inclined belt conveyor	TB40-400 Z-belt conveyor, L = 17.48/25.23/16.92", with cleated belt, incl. floor stands with working height Infeed: 28.50" / Outlet: 50.39"
Unloading belt for vision system and robot removal	TB40-300 belt conveyor, L = 75.59", incl. floor stands with working height of 43.30"
Return belt	TB40-300 belt conveyor, L = 62.99", tilted, incl. floor stands with working height Infeed: 38.18" / Outlet: 33.46"
Base floor stands/substructures	«Quick-Set» framing system



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