

STABILITY, PRECISION AND SPEED – HSB AXES IN THE NEW SYSTEM DESIGN

THE CUSTOMER

Asic Robotics AG has been a general contractor for automation and industrial robotics since 1995, with headquarters in Burgdorf/BE, Switzerland. Its innovative robot designs make the company a leading supplier in special machine construction.

THE INITIAL SITUATION

Asic Robotics AG was looking for suitable linear axes for a new system design for producing and assembling automotive parts and turned to its partner for decades – Bachofen AG. The customer required axes which are suitable for large forces with a high level of precision.

PROJECT REQUIREMENTS

- ▶ The customer from the German automotive industry wanted a linear system to guide the robots
- ▶ Stability and high precision at high speed
- ▶ Short and guaranteed delivery times

BACHOFEN'S SOLUTION

Working closely with Bachofen's product management team, the key technical data was compiled at the start of the project. Based on the project requirements, it quickly became clear that an axis from HSB Automation with a ball screw drive would be suitable. The experienced industry product specialists created the appropriate



The Delta HSB linear axis with spindle drive guides the flexible robot on its precise and untiring journey.

axis design for the customer-specific cell modules on the transfer line. Thanks to short delivery times – despite current worldwide supply bottlenecks – custom-made HSB-delta® compact linear units and HSB-beta® mecha-

nical linear units could be installed just a few weeks later. The precision and stability, even at high speeds, impressed the project team in every way.

«We are only successful thanks to strong partners - With Bachofen as our partner, we can play in the Champions League.»

Andreas Rothenbühler,
Head of Purchasing & Logistics, Asic Robotics AG

Project technology partner

