

## Bringing Motion Dynamics into your Application

The beginnings of zub machine control AG go back to 1986. The company was founded with the goal of addressing the requirements of complex dynamic motion control applications at low costs.

zub now provides highly sophisticated and highly integrated motion control hardware and software.

### *Our Core Competences are:*

- ▶ One / Multi-Axis Positioning
- ▶ Drive Synchronization
- ▶ EtherCAT & CAN Networking

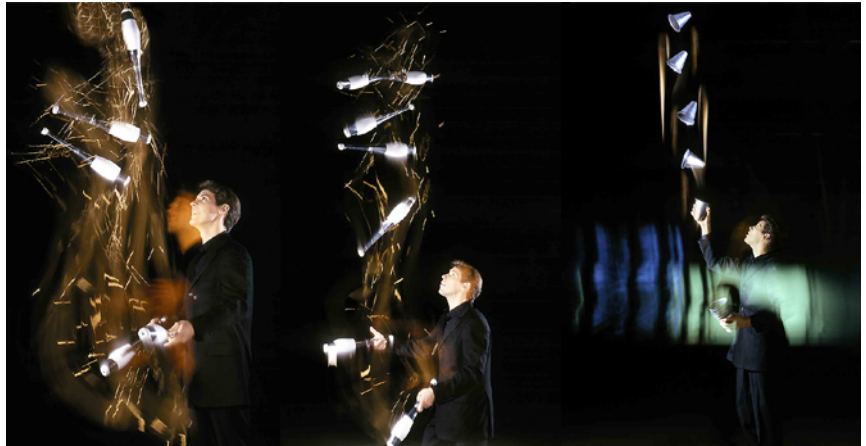
OEM versions of the zub hardware, motion control libraries, and PC-software are in use by global players in the industry and frequency converter markets. Right from the beginning of any association, our customers benefit from our long-time experience in the motion control area.

Our commitment to steady ongoing product development, in combination with high backwards compatibility, is our base for reliable long-term partnerships with our customers.

zub also provides consulting and machine engineering services. This is critical for feedback and allows us to keep our efforts focused on the actual needs of the industry.

### *zub machine control AG*

We bring motion dynamics into your application and on your hardware!



*Dynamic pure: High speed juggling (www.claudius-specht.com)*

Our modern motion control base brings high dynamics, flexibility, and short change-over time, in addition to improved process and product quality, to many applications. We always go one step further by bringing motion dynamics to any field of industry and production.

### *Our Controllers and Motion Control Libraries are in Use for ...*

- ▶ **Paper and Print Processing**  
Synchronization of conveyor belts and pick-ups
- ▶ **Feeding**  
Synchronous feeding of components
- ▶ **Labeling**  
Synchronization of the label feeding to the flow of goods
- ▶ **Winding**  
Synchronization of the traversing with the speed of material
- ▶ **Pump Control**  
High precision control of the flow rate and quantity
- ▶ **Storage**  
Cart positioning in automated racks
- ▶ **Positioning**  
X/Y/Z-positioning of probes in analysis units
- ▶ **Moving**  
Control of platform and stage risers in theatres