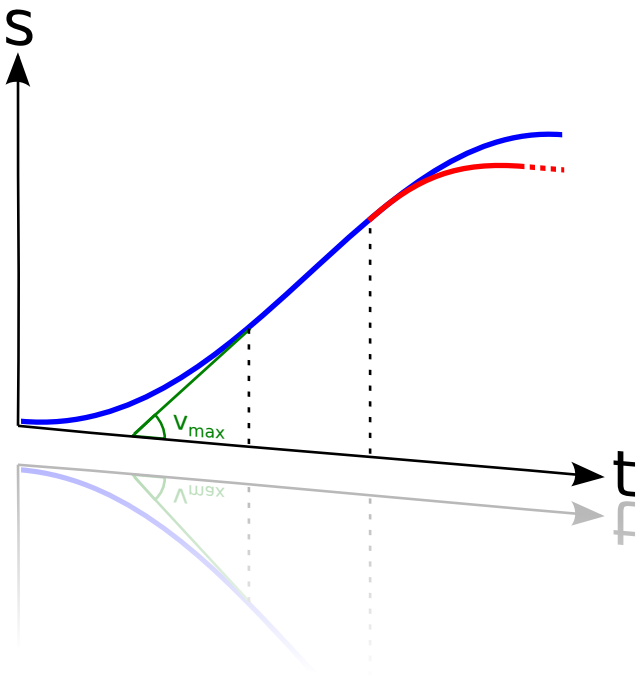
swiss made

INDEL
Indelligent Automation

Motion Libary

Axes in Perfect Motion



- Optimum trajectories
- Synchronization of all axes
- Path changes on-the-fly

Facts	
Optimum trajectories	S-curves, e-curves, acceleration and jerk limited moves
Multidimensional trajectories	G-codes, cubic splines, Bézier splines
Extensibility	Integration of customer-specific path planning and control algorithms
Axis coordination	Coupled axes and coordinated movement of all axes
Synchronization	Output control synchronous to axis positions
Live calculation	Path changes on-the-fl y
Mapping	Lineare und nicht-lineare Transformation von Achsenpositionen
Speedsets	Linear and non-linear transformation of axis positions
Slow motion	Coordinated slow-down of all movements
Manual axis control	Manual control of axis with joystick, cursor and follow mode
Oversampling	Arbitrary number of samples per bus cycle

For the control of movements, Indel off ers a comprehensive library. The Indel motion library includes a wide range of algorithms for path calculation and axis control. It supports the use of coordinate transforms and calibration data.

Movements can be modified at any time. All axis movements can be simulated with correct timing. This makes it possible to develop and analyze motion sequences without hardware available.

Through abstraction of mechanical and electronic components all movements can be defined independently of the actual drive technology used.

Indel AG • Tüfiwis 26 • CH-8332 Russikon • +41 44 956 20 00 • www.indel.ch