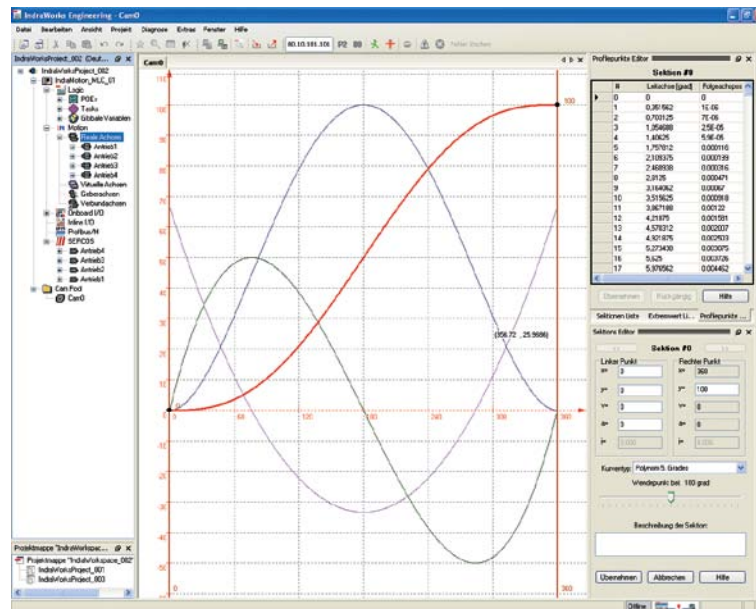
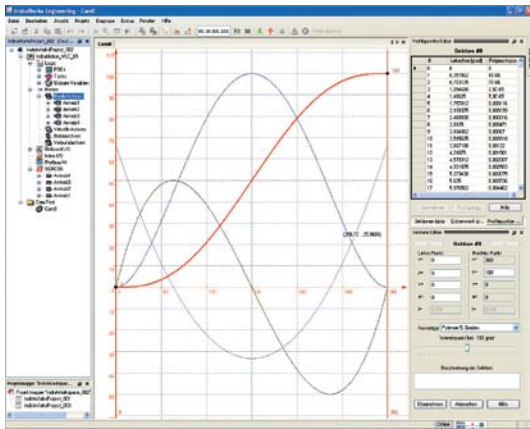


Software tools
CamBuilder



Software tools
CamBuilder

Documentation
• Application description



- Easy creation of cams with the help of graphical objects
- Utilization of motion laws according to VDI 2143
- Switching between standardized and evaluated views
- Import/export functionality with various formats
- Zoom functionality

CamBuilder, the graphically-oriented software tool facilitates the creation of cams on the PC. With dialog driven input, all the requirements and characteristics of applications such as cross cutters, feed axes, or printing length corrections are implemented quickly and safely. These are then transferred into our drive controllers or controls with only a few inputs. CamBuilder is an optional tool that is integrated in the IndraWorks engineering framework.

Technical data

IndraWorks CamBuilder			
General			
Creation of cams			•
Creation of segmented motion profiles			•
Project Explorer			•
Section editor			•
Graphical output of the calculated cam			•
Graph manager			•
List of extreme values of the cam			•
Sections list			•
Representation of profile points of the cam			•
Profile point editor			•
Agents for the creation of application-specific cams			•
Data management incl. import/export			•
Application-specific wizards			
Cross cutters			•
Feeder			•
Printing length correction			•
Motion laws			

Software tools

CamBuilder

Rest in rest	Standstill		●
	Sine curve		●
	Inclined sine curve		●
	Acceleration-optimal inclined sine curve		●
	Moment-inclined sine curve		●
	Sinusoid of Gutman		●
	Modified sine curve		●
	Modified acceleration trapezoid		●
	Quadratic parabola		●
	Polynomial 5th order		●
	Polynomial 7th order		●
	Polynomial 8th order		●
	Rest to velocity	Polynomial 5th order	
Polynomial 8th order			●
Velocity to velocity	Constant speed		●
	Polynomial 5th order		●
	Polynomial 7th order		●
	Modified sine curve		●
Velocity to rest	Polynomial 5th order		●
	Polynomial 8th order		●
General motion	Polynomial 2nd order		●
	Polynomial 3rd order		●
	Polynomial 4th order		●
	Polynomial 5th order		●
	Polynomial 7th order		●
	Polynomial 8th order		●
Extended motion	Resulting stroke	Velocity 2nd order (start acceleration zero)	●
		Velocity 2nd order (end acceleration zero)	●
		Linear speed	●
		Linear acceleration	●
	Resulting master axis segment	Acceleration-limited motion (trapezoid profile)	●
		Acceleration-limited motion (sinusoid profile)	●
		Jerk-limited motion (trapezoid profile)	●
	Other	Velocity-limited polynomial 5th order	●
		Free of harmonics polynomial 5th order	●
		Acceleration-limited motion (trapezoid profile)	●
Free cam table for user-defined motion definition		●	
Motion profile		●	
Flex-Profile		●	

Software tools

CamBuilder

Order details

Type code	Description	Material number:
SWS-IWORKS-CAM-NNVRS-D0	Single user license – CamBuilder for IndraWorks Engineering - cross-version ¹	R911332869
SWS-IWORKS-CAM-NNVRS-D0-M25	25 single user licenses – CamBuilder for IndraWorks Engineering - cross-version ¹	R911332870
SWS-IWORKS-CAM-12VRS-D0	Single user license – CamBuilder for IndraWorks Engineering - system version 12VRS	R911334634
SWS-IWORKS-CAM-12VRS-D0-M25	25 single user licenses – CamBuilder for IndraWorks Engineering - system version 12VRS	R911334637
SWS-IWORKS-CAM-13VRS-D0	Single user license – CamBuilder for IndraWorks Engineering - system version 13VRS	R911337453
SWS-IWORKS-CAM-13VRS-D0-M25	25 single user licenses – CamBuilder for IndraWorks Engineering - system version 13VRS	R911337457

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The data specified above only serve to describe the product. As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification.

It must be remembered that our products are subject to a natural process of wear and aging.