



V7

Standard

Premium

2D

			Standard	Premium				
	Advanced Options for Contour Analysis	v5.1	→	→	ACT			
	option autozoom on flat portion		→	✓	2AT			
	Option Management of end-effects	v4.0	→	✓	2AT			
	Step Height option with automatic and ISO5436 mode		✓	✓				
	Waviness parameters of groups A and/or B	v3	✓	✓	2AT	AUT		
ParametricProfile			Standard	Premium				
	Contour Analysis	v6.0	→	✓	CT	ACT		
	Profile Patching		→	✓	CT	ACT		
	Rotations	v6.2	→	✓	CT	ACT		
	Symmetries		→	✓	2AT*	CT*	ACT*	
Profile			Standard	Premium				
	Abbott-Firestone Curve / Depth distribution	v3	✓	✓	2AT*		COL*	4D*
	Area of a hole / Peak		✓	✓			COL*	4D*
	Autocorrelation	v3	→	✓	2AT*		FFT* COL*	4D*
	Averaged Power Spectrum Density		→	✓	2AT*		FFT* COL*	4D*
	Axes edition	v4.1	✓	✓	2AT*	SP M*	COL*	4D*
	Continuous Wavelet Decomposition			✓			COL*	4D*
	Contour Analysis	v4	→	✓	CT*	ACT*	COL*	4D*
	Convert into a Parametric Profile		→	✓	CT*	ACT*	COL*	4D*
	Creation of a Series of Profiles	v3	→	✓	2AT*		COL*	4D
	Discrete Wavelet Filtering			✓			COL*	4D*
	Distance Measurement	v3	✓	✓			COL*	4D*
	Fill in Non-measured Points		✓	✓	2AT*		COL*	4D*
	Filtering	v3	→	✓	2AT*		COL*	4D*

✓ Included

→ Available in optional module(s)

Filtering by direct Edition of the FFT		→	✓	2AT*	FFT* COL	4D*
Form Removal v3		→	✓	2AT*	* COL	4D*
Fractal Analysis		→	✓	2AT*	* COL	4D*
Frequency Spectrum v3		→	✓	2AT*	* COL	4D*
Graphical study of Rk parameters		→	✓		AUT * COL	4D*
Intercorrelation v5.0		→	✓	2AT*	FFT* COL	4D*
Join two Profiles		→	✓	2AT*	* COL	4D*
Levelling v3		✓	✓	2AT*	* COL	4D*
Matlab Operator		→	✓	2AT*	* COL	4D*
Morphological envelopes v4.0		→	✓	2AT*	* COL	4D*
Morphological Filtering		→	✓	2AT*	* COL	4D*
Profile Curve v3		✓	✓	2AT*	* COL	4D
Profile Parameters Study		✓	✓	2AT*	* COL	4D*
Profile Patching v6.2		→	✓	CT* ACT *	* COL	4D*
R & W Motifs (ISO 12085)		→	✓		AUT * COL	4D*
Resampling v4.0		→	✓	2AT*	* COL	4D*
Retouch Profile Points		→	✓	2AT*	* COL	4D*
Rk Calculation Profiles v3		→	✓		AUT * COL	4D*
Roughness and Waviness Profile Curves		✓	✓	2AT*	* COL	4D*
Step Height Measurement v3		✓	✓	2AT*	* COL	4D*
Subtraction of 2 profiles		→	✓	2AT*	* COL	4D*
Symmetries v3		✓	✓	2AT*	* COL	4D*
Thresholding		→	✓	2AT*	* COL	4D*
Zoom v3		✓	✓	2AT*	* COL	4D*
SeriesOfProfiles		Standard	Premium			
Abbott-Firestone Curve / Depth distribution v5.0		→	✓	2AT		4D*
Automatic lateral alignment of profiles		→	✓	2AT		4D
Conversion of a series of profiles into a surface v3		→	✓	2AT		4D
Creation of a Series of Profiles		→	✓	2AT		4D
Fill in Non-measured Points v5.0		→	✓	2AT		4D*
Levelling		→	✓	2AT		4D*
Matlab Operator v6.2		→	✓	2AT		4D*
Profile Curve		→	✓	2AT	COL *	4D
Profile extraction v3		→	✓	2AT		4D
Profile Parameters Study		→	✓	2AT		4D*
Resampling v5.0.1		→	✓	2AT		4D*
Series Resampling		→	✓	2AT		4D
Step Height Measurement v5.0		→	✓	2AT		4D*
Symmetries		→	✓	2AT		4D*
T-Axes edition v5.1		→	✓	2AT		4D
Zoom		→	✓	2AT		4D*

3D

		Standard	Premium			
option Circular & User-defined path v4.0		→	✓		3AT	
option Include/Exclude zones		✓	✓			
option Include/Exclude zones v3		✓	✓		3AT	
3D Surface Flight + AVI exportation		✓	✓			
Option edge filters + custom filters v5.0.1		→	✓	SP M	3AT	
Option Management of end-effects		✓	✓			
BinaryImage		Standard	Premium			
Distribution of a grain parameter v3		→	✓			GRP
Edit surface axes		→	✓	SP M*	COL *	GRP
Grains sorting v3		→	✓			GRP

✓ Included

→ Available in optional module(s)

Measurement of one grain		→	✓					GRP
Morphological operations	v3	→	✓					GRP
Pseudo-colour Image		→	✓	2AT*	SP	COL		GRP
Statistical parameters on all grains	v3	→	✓		M*	*		GRP
Symmetries		→	✓		SP	COL		GRP
Zoom	v3	→	✓		M*	COL		GRP
HeterogeneousSeriesOfSurfaces								
		Standard	Premium					
3D Motifs analysis of the surface	v7.0	→	✓		SP			GRP
3D View		→	✓		M*	COL		*
Abbott-Firestone Curve / Depth distribution	v7.0	→	✓		SP	COL		
Create of a multilayer surface		→	✓		M*	*		
Edit surface axes	v7.0	→	✓		SP	COL		GRP
Fill in Non-measured Points		→	✓		M*	*		*
Filtering (Gaussian & Spline)	v7.0	→	✓		SP	COL		
Form Removal	v7.0	→	✓		M*	*		
Grid of images of the series	v5.0	→	✓		SP	COL	4D*	
High/low-pass filter	v7.0	→	✓		M*	*		
Layer fusion	v5.0.3	→	✓		SP	COL		
Levelling		→	✓		M*	COL		
Line Correction	v7.0	→	✓		SP			
Map local properties	v7.0	→	✓		M*			
Matlab Operator	v7.0	→	✓		SP	3AT*		
Partition levelling	v7.0	→	✓		M*	3AT*		
Profile Extraction	v6.0	→	✓	2AT*	SP	3AT*	COL	
Pseudo-colour Image		→	✓	2AT*	M*	*	COL	GRP
Resampling	v7.0	→	✓		SP	COL	*	*
Retouch Surface Points	v7.0	→	✓		M*	*		
Rotations	v7.0	→	✓		SP	COL	*	
Spatial Filtering	v7.0	→	✓		M*	3AT*	COL	
Surface extraction	v5.0	→	✓		SP	COL	*	
Surface Parameters Study	v7.0	→	✓		M*			GRP
Surface Stitching	v5.0.4	→	✓		SP			*
Symmetries		→	✓		M*	COL		GRP
Texture Direction	v7.0	→	✓		SP	3AT* FFT*		GRP
Zoom		→	✓		M*	COL		GRP
RGBImage								
		Standard	Premium					
Binarization	v7.0	→	✓			COL		GRP
3D Motifs analysis of the surface	v7.0	→	✓			*		GRP
3D View	v7.0	✓	✓		SP	COL		*
Binarization by segmentation	v7.0	→	✓		M*			GRP
Create a Surface-Image	v6.0.1	✓	✓			COL		*
Create of a series	v7.0	→	✓			*	4D*	
Distance Measurement (& horizontal angle & position)	v5.0.4	✓	✓			COL		
Edit surface axes		✓	✓		SP	COL		GRP
High/low-pass filter	v7.0	✓	✓		M*	*		*
Horizontal Contour Extraction	v7.0	→	✓	CT* ACT*		COL		
Image Colocation	v6	→	→			COL		
Image Conversion/extraction		✓	✓			COL		
Image enhancement	v7.0	✓	✓			*		
Pseudo-colour Image		✓	✓	2AT*	SP	COL		GRP
Retouch Surface Points	v7.0	✓	✓		M*	*		*
Rotations	v7.0	✓	✓			COL		
Spatial Filtering	v7.0	✓	✓		3AT*	COL		
Surface Stitching	v7.0	✓	✓			*		
Symmetries	v7.0	✓	✓		SP	COL		GRP
Texture Direction	v7.0	→	✓		M*	3AT* FFT*	*	GRP
Zoom	v5.0.4	✓	✓		SP	COL		GRP
					M*	*		*

✓ Included

→ Available in optional module(s)

<i>RGBImageSeries</i>			Standard	Premium					
Create of a series	v7.0	→	✓				COL *	4D*	
Extraction from the series		✓	✓				COL *	4D*	
Grid of images of the series	v6.2	→	✓				COL *	4D*	
Pseudo-colour Image		✓	✓	2AT*	SP M*		COL *		GRP *
Zoom	v6.2	✓	✓		SP M*		COL *		GRP *
<i>RGBIntensitySurface</i>			Standard	Premium					
3D Motifs analysis of the surface	v7.0	→	✓				COL *		GRP *
3D View		✓	✓		SP M*		COL *		
Abbott-Firestone Curve / Depth distribution	v7.0	✓	✓				COL *		
Create a Surface-Image		✓	✓				COL *		
Distance Measurement (& horizontal angle & position)	v5.1	✓	✓				COL *		
Edit surface axes		✓	✓		SP M*		COL *		GRP *
Fill in Non-measured Points	v5.1	✓	✓				COL *		
Filtering (Gaussian & Spline)		✓	✓				COL *		
Form Removal	v7.0	✓	✓				COL *		
High/low-pass filter	v7.0	✓	✓				COL *		
Horizontal Contour Extraction	v7.0	→	✓	CT* ACT *			COL *		
Image Conversion/extraction		✓	✓				COL *		
Layer fusion	v6.2	✓	✓		SP M*		COL *		
Levelling		✓	✓		SP M*		COL *		
Map local properties	v7.0	✓	✓				COL *		
Matlab Operator	v7.0	→	✓			3AT*	COL *		
Partition levelling	v7.0	✓	✓			3AT*	COL *		
Profile Extraction		✓	✓	2AT*	SP M*	3AT*	COL *		
Pseudo-colour Image	v5.1	✓	✓	2AT*	SP M*		COL *		GRP *
Resampling		✓	✓				COL *		
Retouch Surface Points	v7.0	✓	✓				COL *		
Rotations	v7.0	✓	✓				COL *		
Spatial Filtering	v7.0	✓	✓			3AT*	COL *		
Surface extraction		✓	✓				COL *		
Surface Parameters Study	v5.1	✓	✓				COL *		GRP *
Surface Stitching		✓	✓				COL *		
Symmetries	v7.0	✓	✓		SP M*		COL *		GRP *
Texture Direction	v7.0	→	✓			3AT* FFT*	COL *		GRP *
Zoom	v5.1	✓	✓		SP M*		COL *		GRP *
<i>SeriesOfSurfaces</i>			Standard	Premium					
3D View	v5.0	→	✓		SP M*		COL *	4D*	
Abbott-Firestone Curve / Depth distribution		→	✓				COL *	4D*	
Create of a series	v5.0	→	✓					4D	
Extraction from the series		→	✓					4D	
Extraction of a series of profiles from the series	v5.0	→	✓					4D	
Fill in Non-measured Points		→	✓					4D*	
Grid of images of the series	v5.0	→	✓		SP M*		COL *	4D	
Lateral alignment of surfaces		→	✓					4D	
Levelling	v5.0	→	✓		SP M*		COL *	4D*	
Matlab Operator		→	✓			3AT*		4D*	
Pseudo-colour Image	v5.0	→	✓	2AT*	SP M*		COL *	4D*	GRP *
Reduction of the number of images by KL transform		→	✓					4D	
Resampling	v5.0.1	→	✓				COL *	4D*	
Series Resampling		→	✓					4D	
Spatial Filtering	v5.0	→	✓			3AT*	COL *	4D*	
Surface Parameters Study		→	✓					4D*	GRP *
Symmetries	v5.0	→	✓		SP M*		COL *	4D*	GRP *
T-Axes edition		→	✓					4D	
Transversal profile extraction	v5.0	→	✓					4D	

✓ Included

→ Available in optional module(s)

Zoom			→	✓		SP M*	COL *	4D*	GRP *
Surface			Standard		Premium				
	Binarization	v3	→	✓	2AT*		COL *		GRP *
	3D Motifs analysis of the surface		→	✓	2AT*		COL *		GRP *
	3D View	v3	✓	✓	2AT*	SP M*	COL		
	Abbott-Firestone Curve / Depth distribution		✓	✓	2AT*		COL		
	Autocorrelation	v3	→	✓	2AT*		FFT* COL *		
	Averaged Power Spectrum Density		→	✓	2AT*		FFT* COL *		
	Binarization by segmentation	v4.1	→	✓	2AT*		COL *		GRP *
	Binary Masking		→	✓	2AT*		COL *		GRP *
	Contour Diagram	v3	✓	✓	2AT*		COL *		
	Convert into a Series of Profiles		→	✓	2AT		COL *		
	Create a Surface-Image	v6.1	✓	✓	2AT*		COL		
	Create of a multilayer surface		→	✓	2AT*	SP M*	COL *		
	Create of a series	v5.0	→	✓	2AT*		COL *	4D*	
	Depth of a single valley		→	✓	2AT*	3AT*	COL *		
	Discrete Wavelet Filtering	v6.1	✓	✓	2AT*		COL *		
	Distance Measurement (& horizontal angle & position)		✓	✓	2AT*		COL		
	Edit surface axes	v4.1	✓	✓	2AT*	SP M*	COL		GRP *
	Fill in Non-measured Points		✓	✓	2AT*		COL *		
	Filtering (Gaussian & Spline)	v3	✓	✓	2AT*		COL		
	Filtering by direct edition of the FFT		→	✓	2AT*		FFT* COL *		
	Filtering by Threshold of the FFT	v5.0.1	→	✓	2AT*		FFT* COL *		
	Form Removal		✓	✓	2AT*		COL *		
	Fourier Transform Modulus	v3	→	✓	2AT*		FFT* COL *		
	Fractal Analysis		→	✓	2AT*	3AT*	COL *		
	Graphical study of Sk parameters	v3	→	✓	2AT*	3AT*	COL *		
	Graphical study of volume parameters		→	✓	2AT*	3AT*	COL *		
	Horizontal Contour Extraction	v6.0	→	✓	2AT* CT* ACT *		COL *		
	Image Colocation	v7.0	→	→	2AT*		COL		
	Intercorrelation	v3	→	✓	2AT*		FFT* COL *		
	Levelling		✓	✓	2AT*	SP M*	COL		
	Line Correction	v3	→	✓	2AT*	SP M*	COL *		
	Line Removal		→	✓	2AT*	SP M*	COL *		
	Map local properties	v7.0	✓	✓	2AT*		COL *		
	Matlab Operator		→	✓	2AT*	3AT*	COL *		
	Morphological Filtering	v4.0	→	✓	2AT*	3AT*	COL *		
	Partition levelling		✓	✓	2AT*	3AT*	COL *		
	Peak Count Distribution	v3	→	✓	2AT*	3AT*	COL *		
	Photo Simulation		✓	✓	2AT*		COL *		
	Profile Extraction	v3	✓	✓	2AT	SP M*	3AT* COL		
	Pseudo-colour Image		✓	✓	2AT	SP M*	COL		GRP *
	Resampling	v3	✓	✓	2AT*		COL		
	Retouch Surface Points		✓	✓	2AT*		COL *		
	Rotations	v3	✓	✓	2AT*		COL		
	Slices		✓	✓	2AT*		COL *		
	Spatial Filtering	v3	✓	✓	2AT*	3AT*	COL		
	Spectral Analysis		→	✓	2AT*		FFT* COL *		
	Step Height Measurement	v3	✓	✓	2AT*		COL *		
	Surface Parameters Study		✓	✓	2AT*		COL *		GRP *
	Surface Patching	v3	✓	✓	2AT*		COL *		
	Surface Stitching		✓	✓	2AT*		COL *		
	Surface Subtraction	v3	✓	✓	2AT*		COL *		
	Symmetries		✓	✓	2AT*	SP M*	COL		GRP *
	Texture Direction	v3	→	✓	2AT*	3AT* FFT*	COL *		GRP *
	Texture Isotropy		→	✓	2AT*	3AT* FFT*	COL *		
	Thresholding	v3	✓	✓	2AT*		COL *		
	Tip deconvolution		→	✓	2AT*	SP M*	COL *		

✓ Included

→ Available in optional module(s)

vectorisation of the microvalleys network	v3	→	✓	2AT*	3AT*	COL*	GRP*
Volume of a Hole / Peak		✓	✓	2AT*		COL*	
Volume of islands	v3	✓	✓	2AT*		COL*	GRP*
Zoom		✓	✓	2AT*	SP M*	COL	GRP*

Force Curves

<i>ForceCurve</i>				Standard	Premium	
Axes Edition	v5.0.4		→			FOR
Calibration of Constants			→			FOR
Creation of a Series of Force-Curves	v5.0.4		→			FOR
Curve extraction			→			FOR
Force Curves Analysis	v5.0.4		→			FOR
Noise Filtering			→			FOR
Normalization of the Base Line	v6.1		→			FOR
<i>SeriesOfForceCurves</i>				Standard	Premium	
Axes Edition	v5.0.4		→			FOR
Calibration of Constants			→			FOR
Creation of a Series of Force-Curves	v5.0.4		→			FOR
Force Curves Analysis			→			FOR
Force Curves Extraction	v5.0.4		→			FOR
Grid View of the Series			→			FOR
Noise Filtering	v6.0		→			FOR
Normalization of the Base Line			→			FOR
T-Axis Edition	v5.1		→			FOR

General Features

			Standard	Premium								
(KERNEL)	Desktop publishing & Template document	v3	✓	✓	STA							
	Analysis Workflow		✓	✓								
	Basic set of file formats	v3	✓	✓								
	Binary images enabled		→	✓	GRP							
	Can export results in a CSV file	v6	✓	✓								
	Can load studiabiles		✓	✓								
	Can lock a document	v6	✓	✓								
	Can save documents		✓	✓								
	Can save studiabiles	v6	✓	✓								
	Digital Surf file formats		✓	✓								
	Document pages Viewer	v5.0	✓	✓								
	File Explorer & Favorite Folders		✓	✓								
	File formats of 2D Profilers	v3		✓								
	File formats of 3D Profilers		→	✓	2AT	3AT						
	File formats of Form Measurement instruments	v6		✓								
	File formats of Optical Microscopes (WLI, PSI, SCM)		✓	✓	3AT							
	File formats of SPM instruments	v3	→	✓	SP M		FOR					
	Floating Panels		✓	✓								
	Force-Distance curves enabled	v5.0.4		→	FOR							
	Global management of non-measured points		✓	✓	2AT	CT	ACT	3AT	FFT	FOR	4D	GRP
	Image formats	v6.0	✓	✓	COL							
	Interactive Bank of Studiabiles		✓	✓								
	Languages : EN, FR, DE, SP, IT, PL, JP, CH	v3	✓	✓								
	Management of absolute data		✓	✓								

✓ Included

→ Available in optional module(s)

Masterpages	v4	✓	✓						
Minidocs		✓	✓						
Multilayer surfaces enabled	v5.0	→	✓			SP			
Palette Manager		✓	✓			M			
Parametric profile enabled	v6.0	→	✓			CT	ACT		
Product available in release		✓	✓						
Profiles enabled	v3	✓	✓					COL	4D
Result Manager	v7.0	✓	✓						
RGB Images enabled	v5.0.4	✓	✓					COL	
RGB Intensity Surfaces enabled		✓	✓					COL	
Series of Force-Distance curves enabled	v5.0.4		→					FOR	
Series of profiles enabled		→	✓		2AT				4D
Series of RGB Images enabled	v6.2	✓	✓					COL	
Series of surfaces enabled		→	✓						4D
Soft dongles enabled	v6	✓	✓						
SPM Product		→				SP			
Statistics enabled	v5.0	→	→			M			STA
Surfaces enabled		✓	✓		2AT			COL	
Table of Results	v5.0	→	✓			ACT	3AT		
Template document on all data of a folder		✓	✓						STA
Third party Plug-ins	v3	✓	✓						
Tolerances Limits (pass/fail)		✓	✓						
Videos, Tutorials, Quick Reference Guide	v6	✓	✓						
Web Update detection enabled		✓	✓						
Welcome dialog	v7.0	✓	✓						

Parameters

		Standard	Premium						
2D (P+R) Parameters, Group A: Base parameters	v3	✓	✓						
2D (P+R) Parameters, Group B: old parameters		→	✓		2AT		AUT		
2D Parameters, Group C: Automotive	v3	→	✓				AUT		
2D Parameters, Group D: Form Deviation		→	✓				AUT		
3D parameters, group A (Height & Bearing ratio)	v5.0	✓	✓						
3D parameters, group B (Spatial & Hybrid)		→	✓					3AT	
3D parameters, group C (Functional)	v5.0	→	✓					3AT	
3D parameters, group D (Features)		→	✓						GRP
3D parameters, group E (Form)	v5.0	→	✓					3AT	
Plastic Parameters AF, PG, CH		→	✓				AUT		

Statistics

		Standard	Premium						
Box plot	v5.0	→	→						STA
Histogram		→	→						STA
Histogram of a parameter	v6.0	→	✓		2AT				
Scatter plot		→	→						STA
Scatter plot between 2 parameters	v6.0	→	✓		2AT				
Table of statistical parameters		→	→						STA
Trend plot	v5.0	→	→						STA
Trend plot of a parameter		→	✓		2AT				

✓ Included

→ Available in optional module(s)