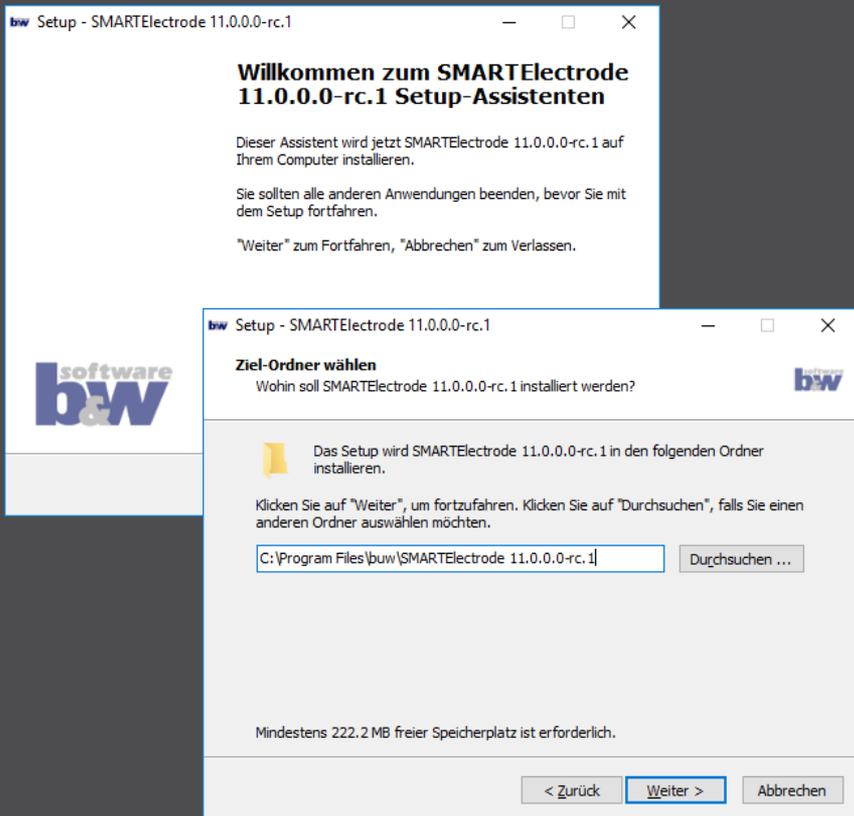


What's new

SMARTElectrode 11.0.0.0

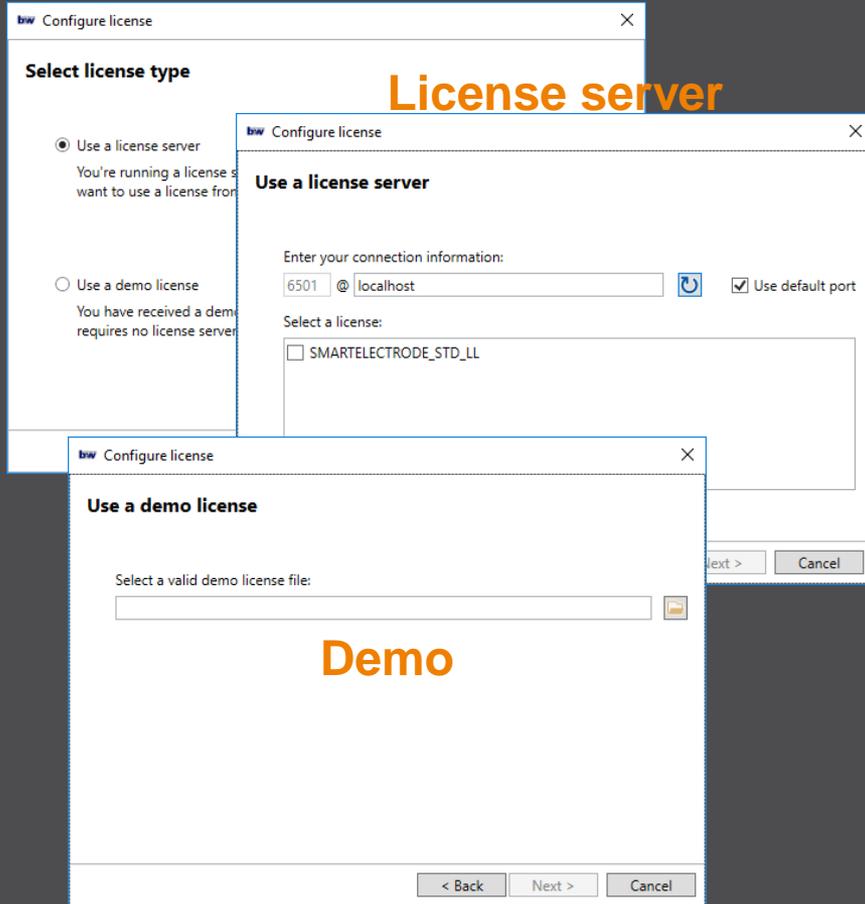
software
B&W

Setup



- New Setup for installation
- Easier updates

License configuration



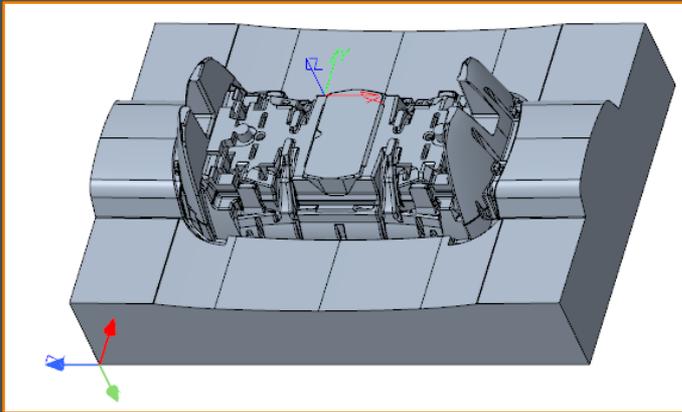
HOW TO USE

- Automatically after installation
- Supports
 - License server
 - demo licenses
- Start from Installation:
„Configure license“

Operation Zero

ENHANCEMENT

- Support of several operations

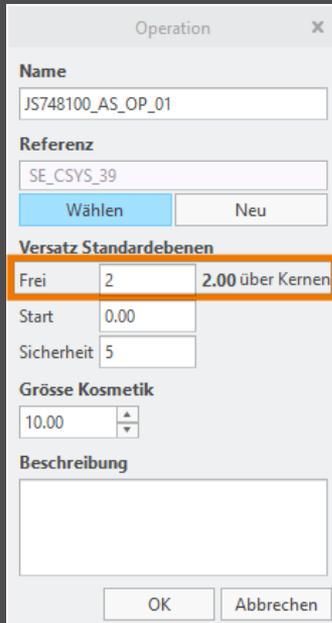


COMPATIBILITY

- No restrictions for existing assemblies

ENHANCEMENT

- Offset FREE_FACE from ref. csys



Operation

Name
JS748100_AS_OP_01

Referenz
SE_CSYS_39
Wählen Neu

Versatz Standardebenen

Frei	2	2.00 über Kernen
Start	0.00	
Sicherheit	5	

Grösse Kosmetik
10.00

Beschreibung

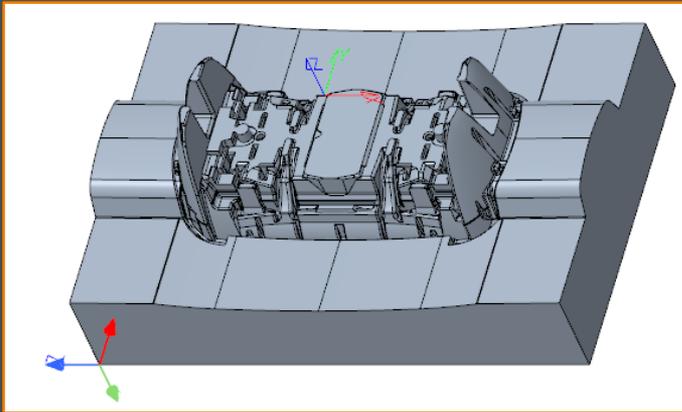
OK Abbrechen

TECH. INFORMATION

- INCREMENT_POS used to round offset
- Shows distance to workpieces as additional information

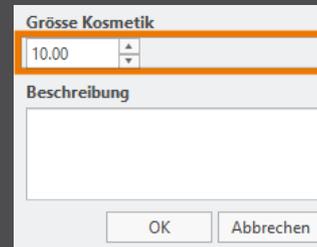
ENHANCEMENT

- 3d-symbols replaced by normal features



TECH. INFORMATION

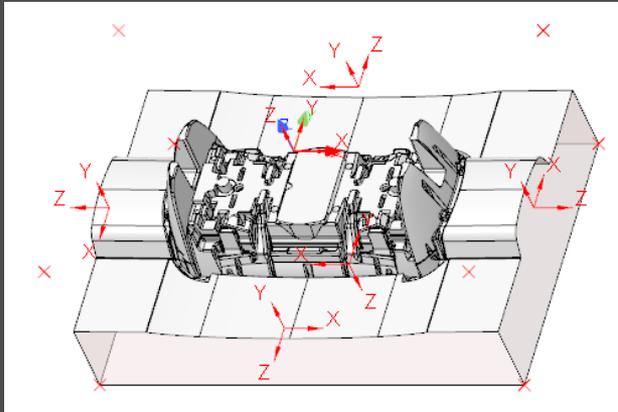
- Customizable in <configuration>\operation
- Size customizable in UI



Operation Zero

ENHANCEMENT

- Csys on every workpiece side and
- Corner points on bounding box

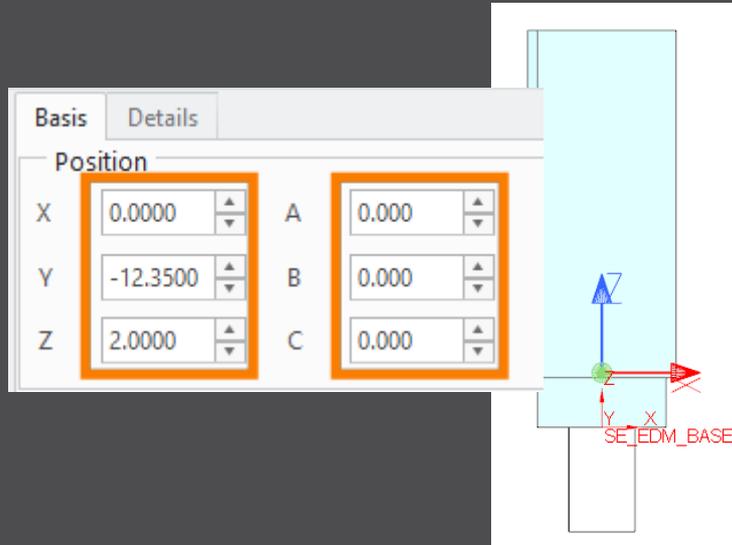


TECH. INFORMATION

- Available in new assemblies
- Automatic update

ENHANCEMENT

- Displayed position is always for electrode base

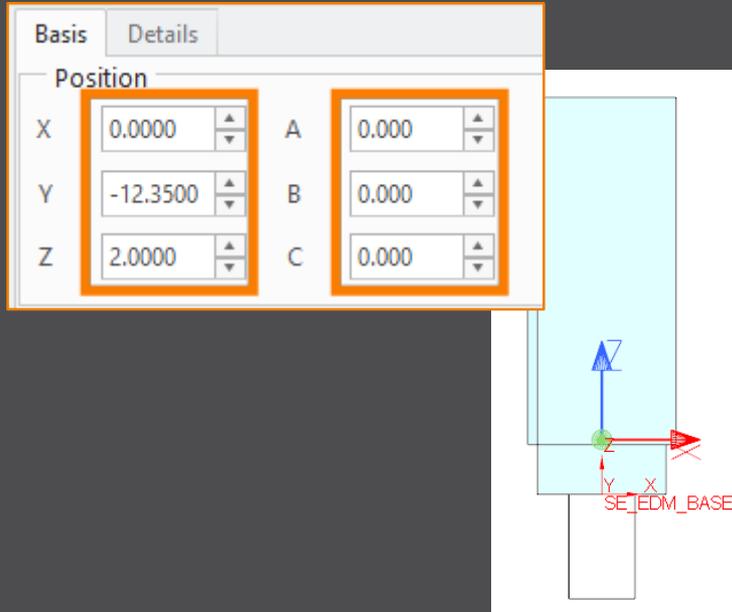


TECHN. INFORMATION

- Easier positioning of base

ENHANCEMENT

- Displayed position is always for electrode base



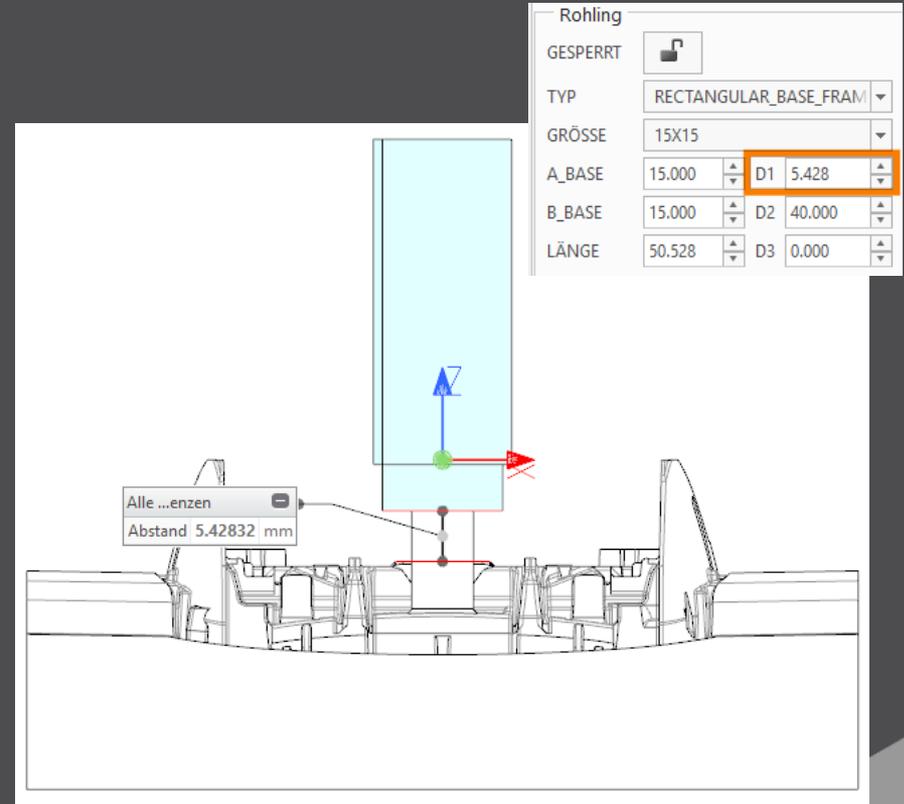
COMPATIBILITY

- Existing electrodes are updated if base is edited

Base position / blank data

ENHANCEMENT

- Automatic adjustment of offset D1 (vertical distance to workpieces)



Base position / blank data

ENHANCEMENT

- Automatic adjustment of offset D1 (vertical distance to workpieces)

TECH. INFORMATION

- Z-position of base will be rounded using INCREMENT_POS

Base position / blank data

ENHANCEMENT

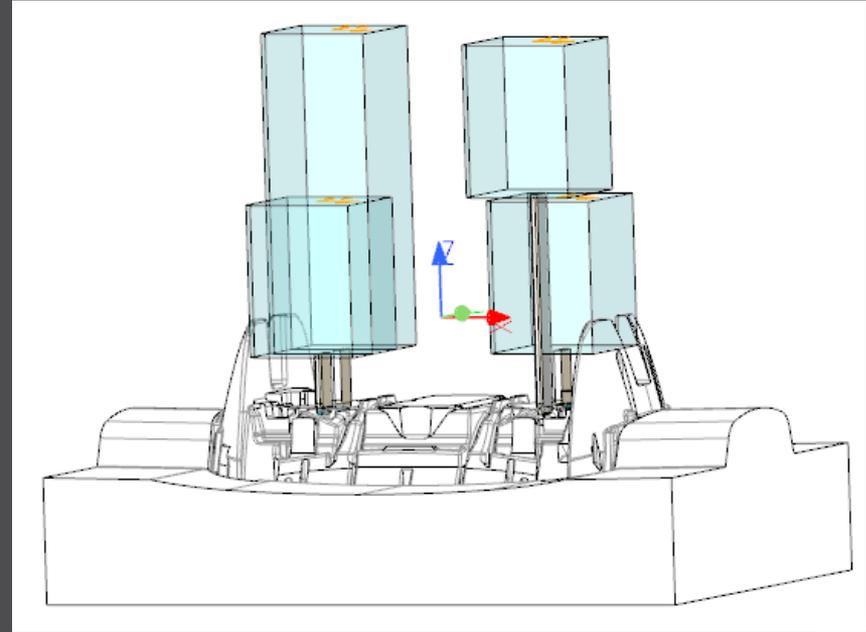
- Automatic adjustment of offset D1 (vertical distance to workpieces)

COMPATIBILITY

- If new base is added to electrode
- Review and update D1 in *.dat files in configuration\electrode\...

ENHANCEMENT

- ONE dimension or calculated offset can be adjusted automatically. Applies to:
 - D1
 - D2 (height of base)
 - D3 (distance top to blank length)
 - LENGTH (blank length)



Base position / blank data

EXAMPLE D1 = -1

- Vertical distance from FREE_FACE to workpiece is variable

RESULT

GESPERRT			
TYP	RECTANGULAR_BASE		
GRÖSSE	D1_VARIABEL		
A_BASE	15.000	D1	23.900
B_BASE	15.000	D2	20.000
LÄNGE	50.000	D3	1.000

D1_variabel	15	15	50	-1	20	1	1
-------------	----	----	----	----	----	---	---

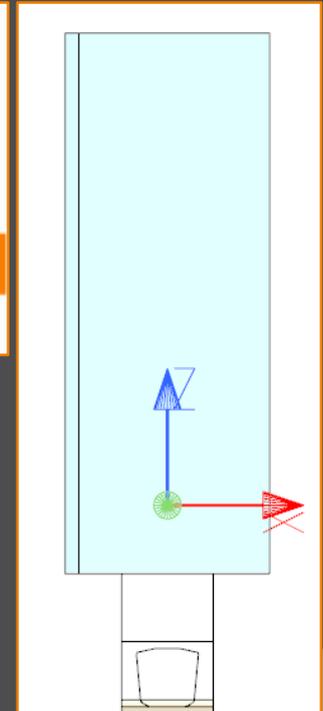
Base position / blank data

EXAMPLE D2 = -1

- Base height will be calculated based on geometry and blank data

RESULT

GESPERRT	<input type="checkbox"/>		
TYP	RECTANGULAR_BASE		
GRÖSSE	D2_VARIABEL		
A_BASE	15.000	D1	5.450
B_BASE	15.000	D2	39.450
LÄNGE	50.000	D3	0.000



INSTANCE	A_BASE	B_BASE	LENGTH	D1	D2	D3	CHAMFER1
D2_variabel	15	15	50	5	-1	0	1

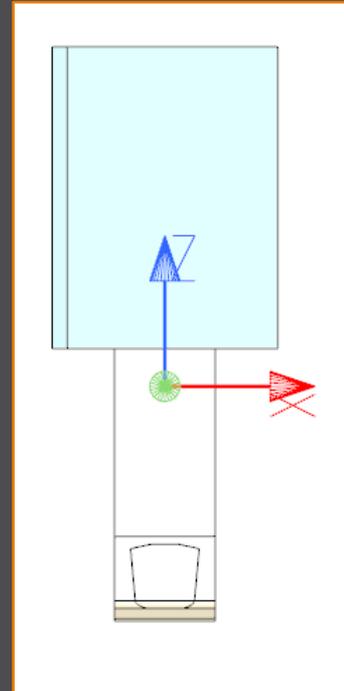
Base position / blank data

EXAMPLE D3 = -1

- Top offset (EDM to LENGTH) will be calculated based on geometry and blank data

RESULT

GESPERRT	<input type="checkbox"/>		
TYP	RECTANGULAR_BASE		
GRÖSSE	D3_VARIABEL		
A_BASE	15.000	D1	12.950
B_BASE	15.000	D2	20.000
LÄNGE	50.000	D3	11.950



D3_variabel	15	15	50	5	20	-1	1
-------------	----	----	----	---	----	----	---

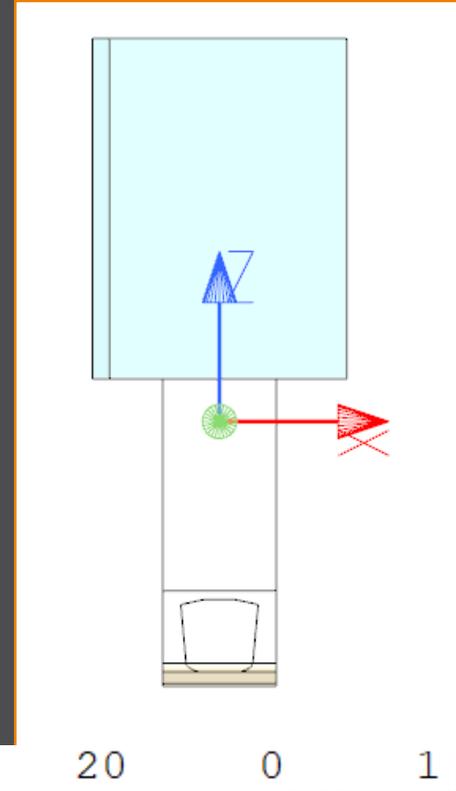
Base position / blank data

EXAMPLE LENGTH = -1

- Blank length will be calculated based on geometry and blank data

GESPERRT	<input type="checkbox"/>	
TYP	RECTANGULAR_BASE	
GRÖSSE	LAENGE_VARIABEL	
A_BASE	15.000	D1 5.128
B_BASE	15.000	D2 20.000
LÄNGE	27.978	D3 0.000

RESULT



LAENGE_variabel 15 15 **-1** 5 20 0 1

Base position / blank data

ENHANCEMENT

- ONE dimension or calculated offset can be adjusted automatically.
Applies to:
 - D1
 - D2 (height of base)
 - D3 (distance top to blank length)
 - LENGTH (blank length)

COMPATIBILITY

- If new base is added to electrode
- Review and update D1 in *.dat files in configuration\electrode\
 - D1
 - D2
 - D3
 - LENGTH

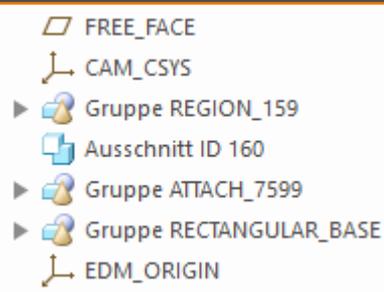


Electrodes from template

ENHANCEMENT

- New electrodes can be copied from template

New - Empty



From Template



TECH. INFORMATION

- Located in <configuration>\electrode\default...
- Preparation of
 - Part Drawing
 - Additional features

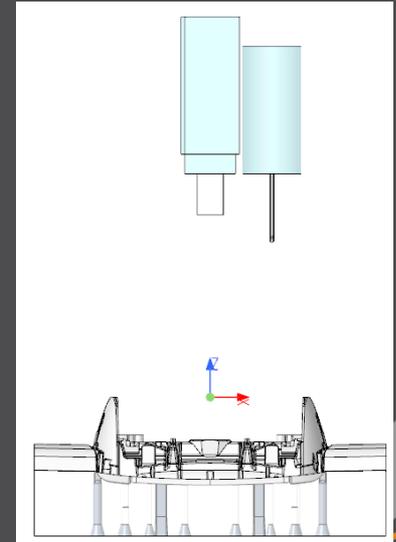
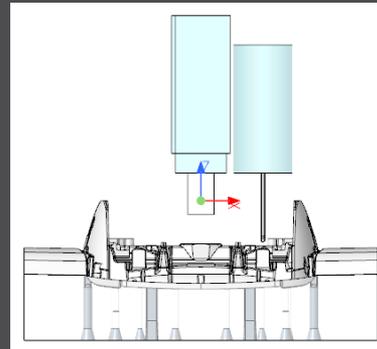
Display of start and secure position

ENHANCEMENT

- Display of
 - Start positions
 - Secure positions as commands in group „View“

TECH. INFORMATION

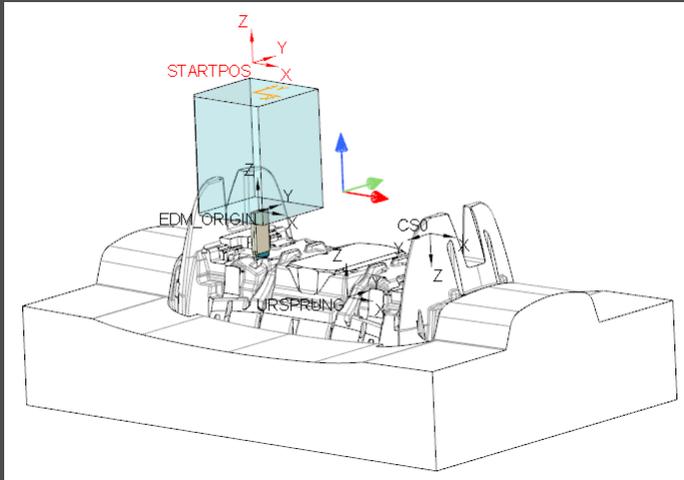
- Creates a temporary exploded state to control positions



Display of start and secure position

ENHANCEMENT

- Display of
 - Start positions
 - Secure positions



TECHN. INFORMATION

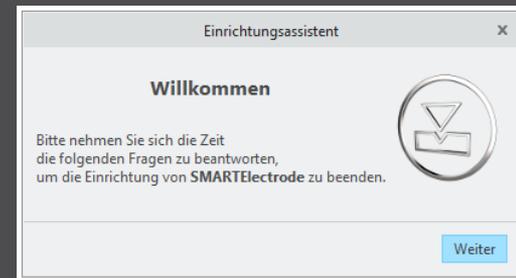
- Customize positions by adding additional Csys to electrode
 - Csys „STARTPOS“
 - Csys „SECUREPOS“

Update Configuration

- Update existing configurations
 - If new display of operations should be used
 - If electrodes with base should be created

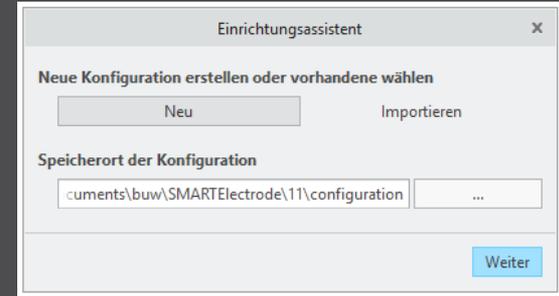
Use the following steps:

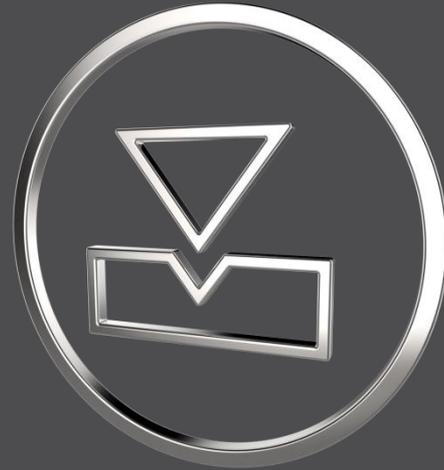
- Installation SE 11.0.0.0
- Start software WITHOUT
 - active SE_USER_CONFIG_PATH
 - Configuration in installation (rename folder)
- Setup Wizard starts



Update Configuration

- Setup Wizard
 - Create new configuration
 - Import and update existing configuration
- Default location for configuration:
C:\Users\<USER>\Documents\buw\SMARTElectrode\<VERSION>\configuration
Similar path for several B&W apps: EMX, AFX, ...
- SUGGESTION
Use default path for single-site installations
 - Central save location for all configurations
 - No collisions with user permissions





E-Mail	smartelectrode@buw-soft.de
Telefon	+49 9131 – 53387 05
Adresse	Weisse Herzstr. 2a D-91054 Erlangen