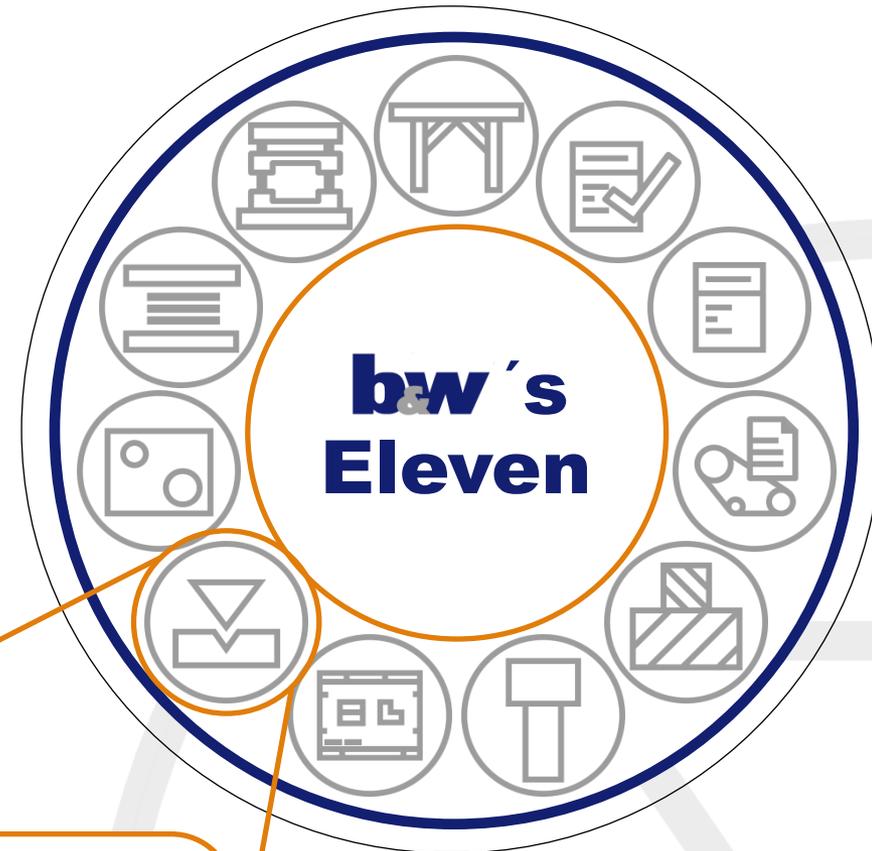


SMARTElectrode

Reseller Information



SMARTElectrode

is an auxiliary application for PTC Creo Parametric that automates the design of sinking electrodes

- **Customers using PTC Creo Parametric 2.0 and later**
- **Customers who design electrodes in Creo without additional software**
- **Customers who use EMX**
- **Customers who want to pass data to EDM**
- **Customers who want to streamline and standardize the process**
 - Design of electrodes
 - Documentation
 - Data export for EDM machining

SME separates designer tasks into easy steps!

- **Create...**
...electrode solid geometry
- **Add...**
...all technological data as parameters
- **Output...**
...of all geometrical and technological information in different formats

Significant time savings over the use of Creo alone!

- **Fast creation of new objects**



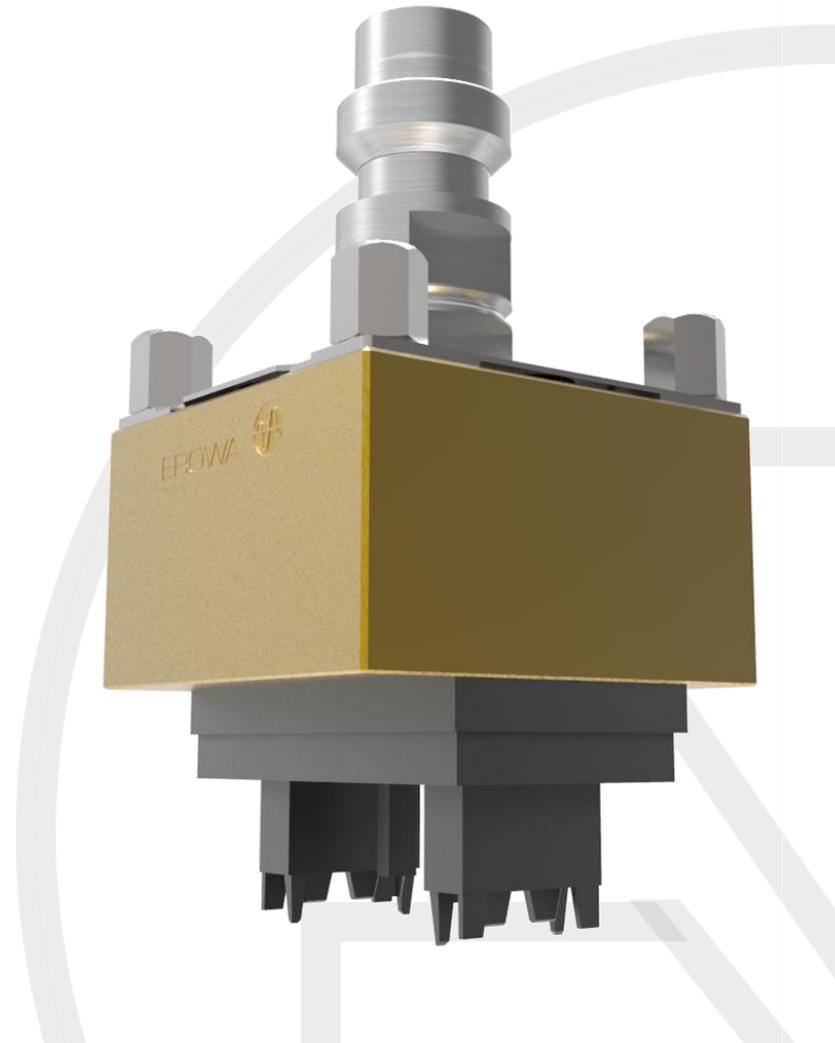
- **Special selection filters**



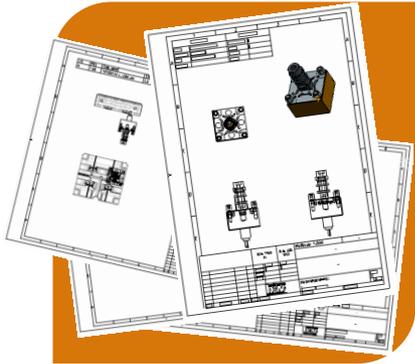
- **Powerful cleanup functionality**



- **Global control of visibility**



Why should I use SME? – Automatic Output

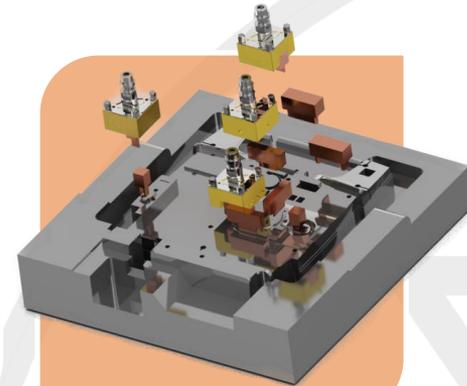


Drawings

- BOM
- Workpiece Drawing
- Positioning Sheets
- Electrode Part Drawings

3d-Formats

- Step
- Iges
- Parasolid



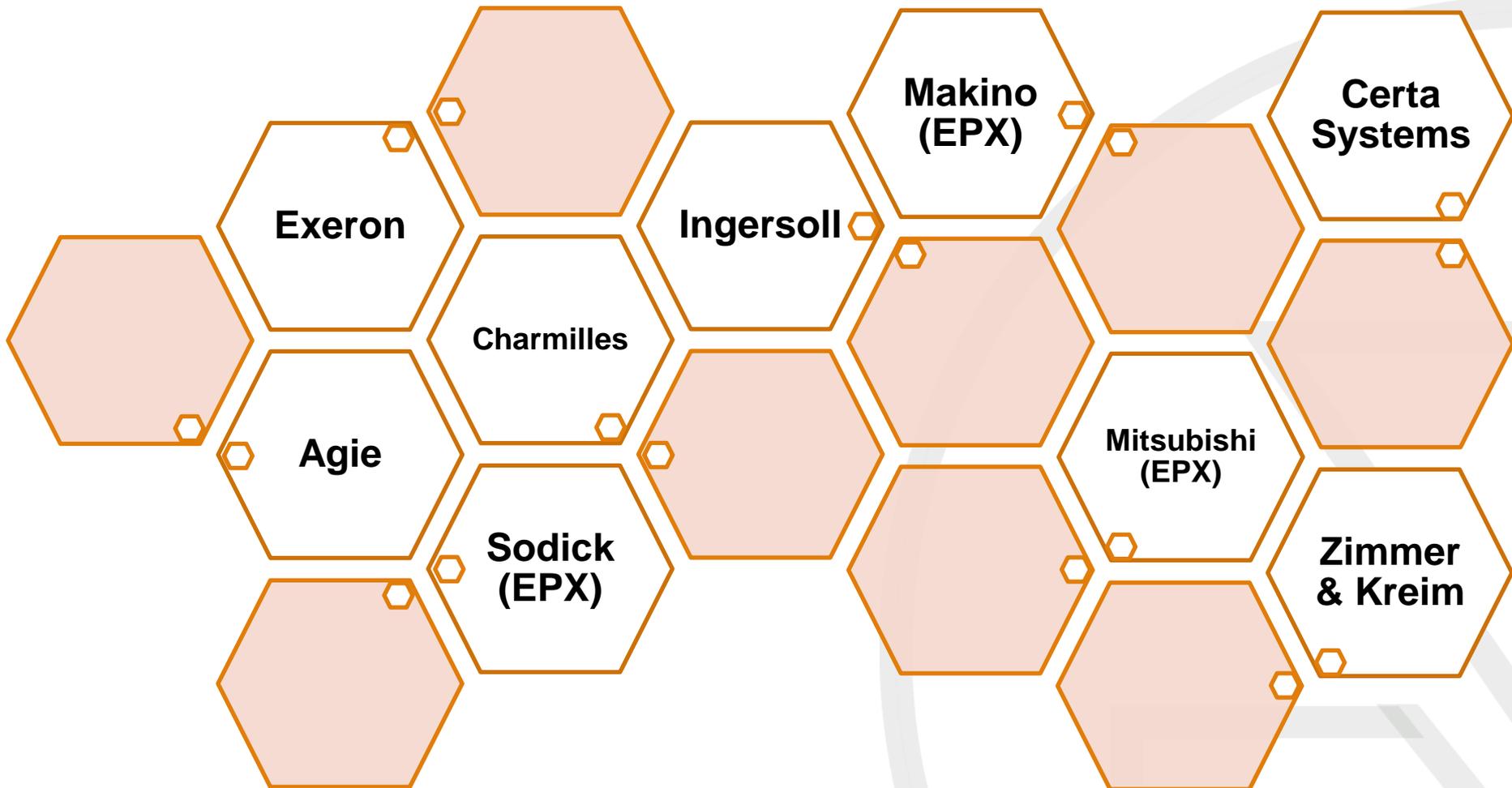
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    <User>partner</User>
    <Date>2011-11-21 15:43:44</Date>
  </Header>
  <Data>
    <Project>
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    </Project>
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    </Order>
    <Logfile>
      <Name>ELE_001</Name>
      <DimensionX>20.0000</DimensionX>
      <DimensionY>15.0000</DimensionY>
      <DimensionZ>30.0000</DimensionZ>
      <MeasureProp>ESVerkant</MeasureProp>
    </Logfile>
  </Data>
</CAD>
```

Data for EDM

- Data for EDM interfaces
- Custom Formats (Xml, Txt, Html, ...)

Why should I use SME? – Interfaces to EDM

Electrode machining position is passed automatically to programming software!



Process time is reduced dramatically!

- **No more manual creation of setup sheets!**
- **No more time-consuming input by hand!**
- **Avoid input mistakes!**



Complete control over project setup and templates at any time!

- **Target EDM system**
- **Operation**
 - Origin
 - Start and retract plane
- **Electrode blanks**
- **Electrode holders**
- **Drawing templates**
- **Manufacturing templates**



Seamless Integration! *Enforce Company Standards!*

PTC Creo
Parametric

PLM

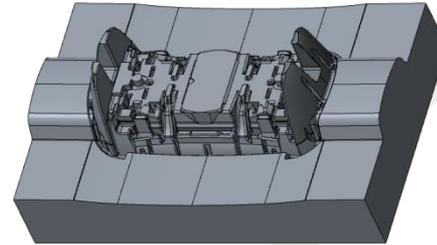
Corporate
Environment

Templates for assemblies and parts
Naming formats for models and layers

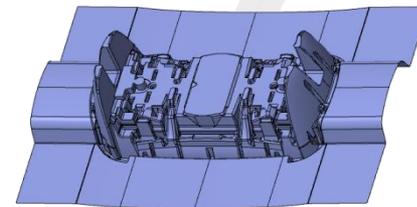
Why should I use SME? – Consistent Quality

Quality of results independent from model type!

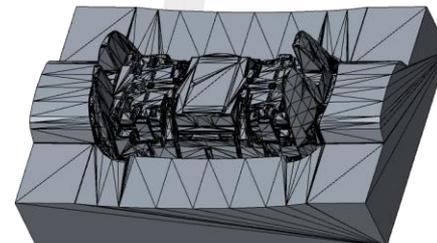
Solid
Model



Surface
Model



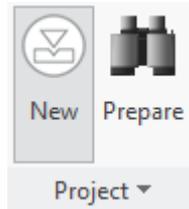
Import
THA Model



Why should I use SME? – Streamlined UI

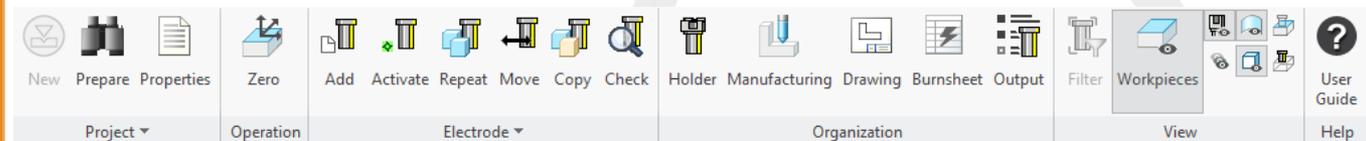
Mode dependent Ribbon UI leads through project and design tasks!

Empty Session



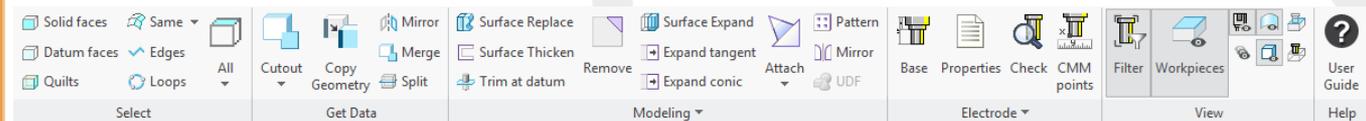
Process Level

Active Assembly



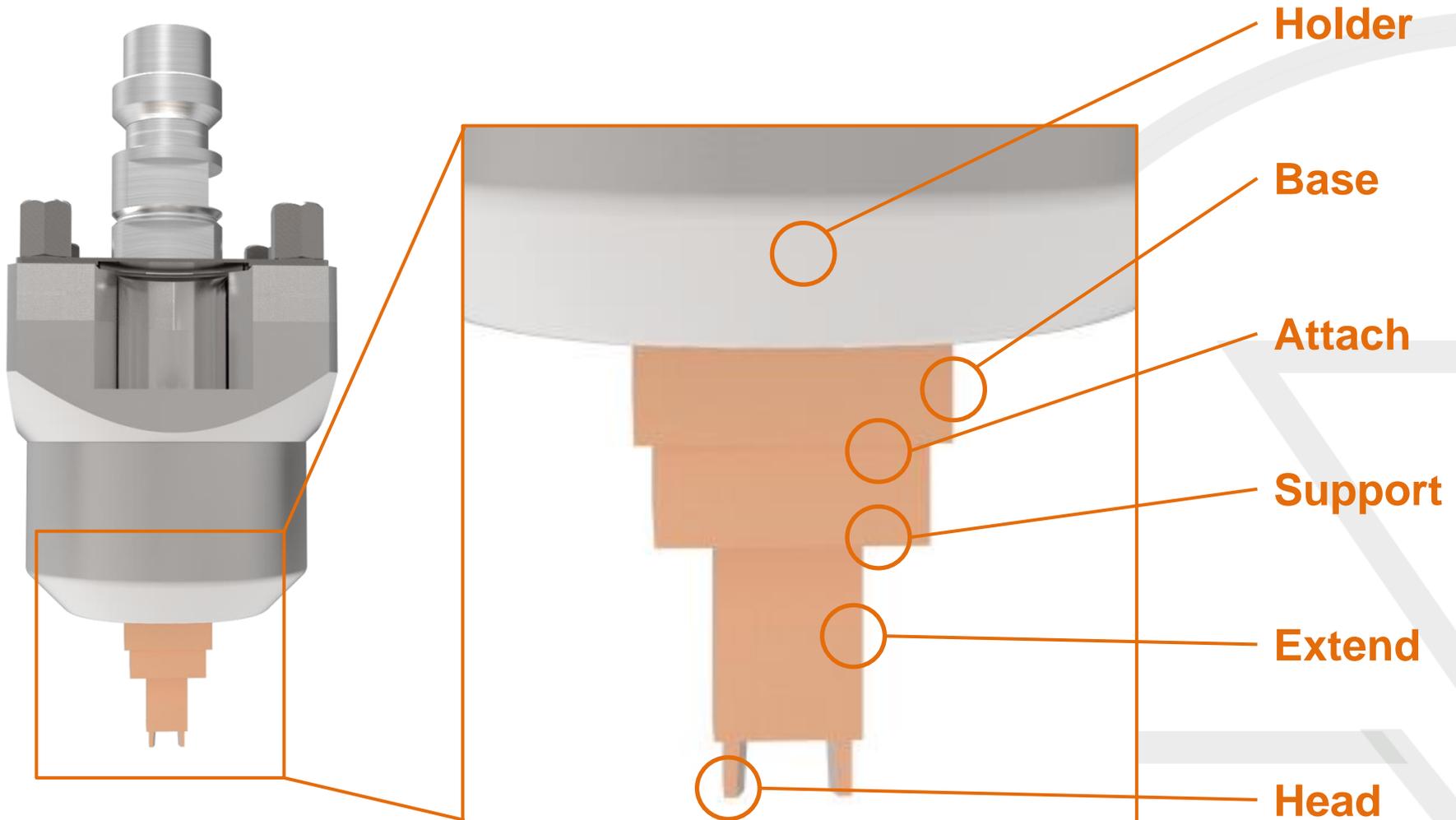
Design Sub-menu

Active Electrode Component



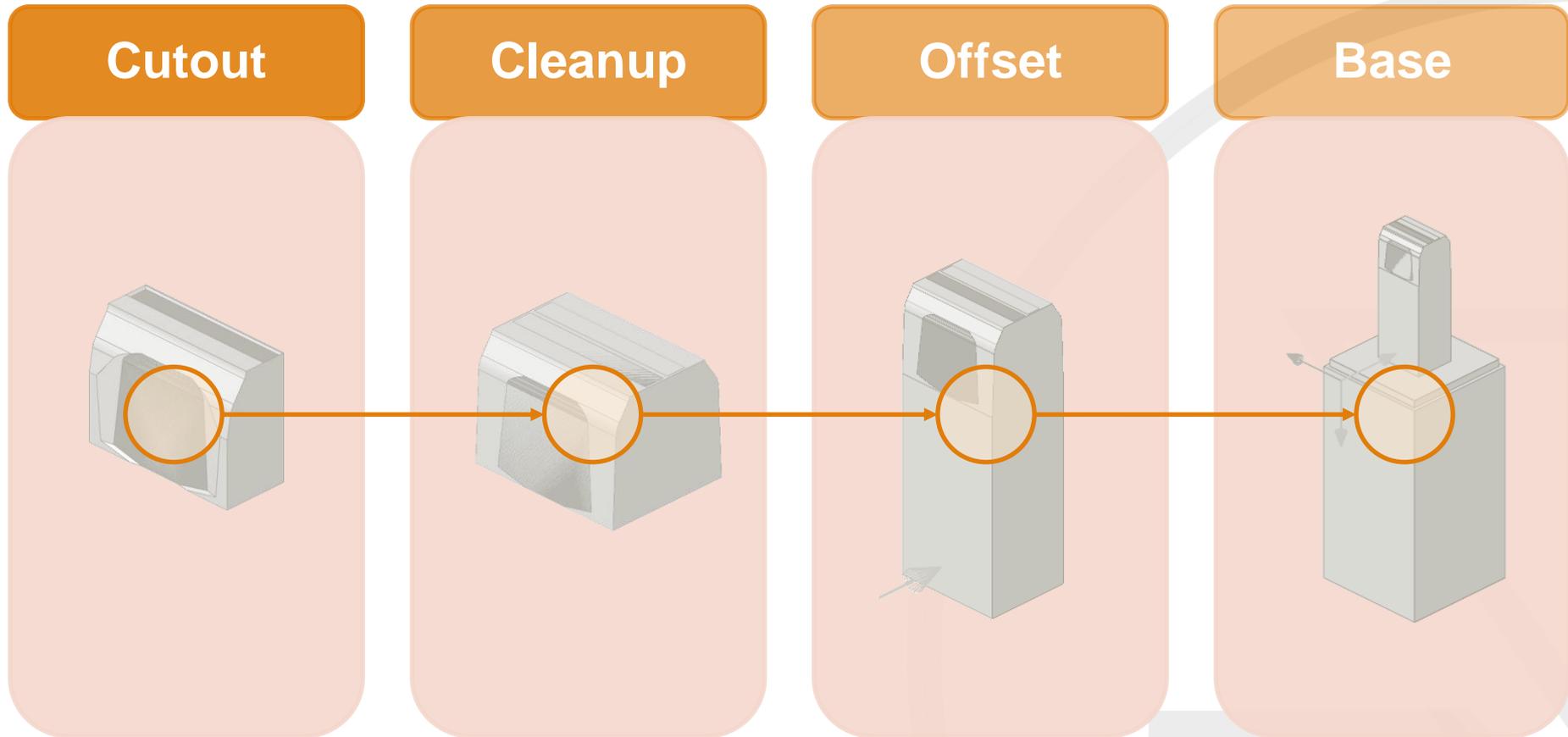
Why should I use SME? – Design Process

Clearly structured design process from top to base!



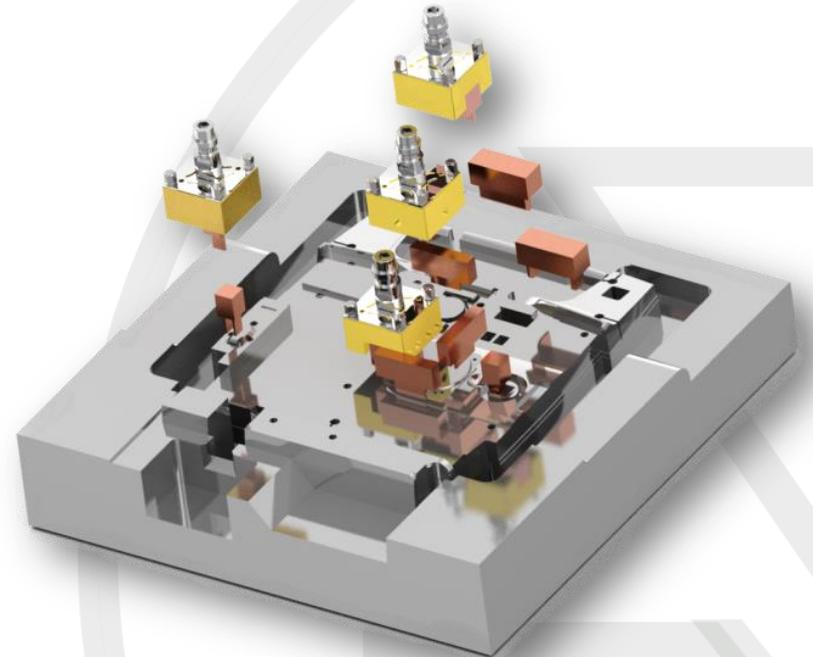
Why should I use SME? – Design Process

Clearly structured design process from top to base!



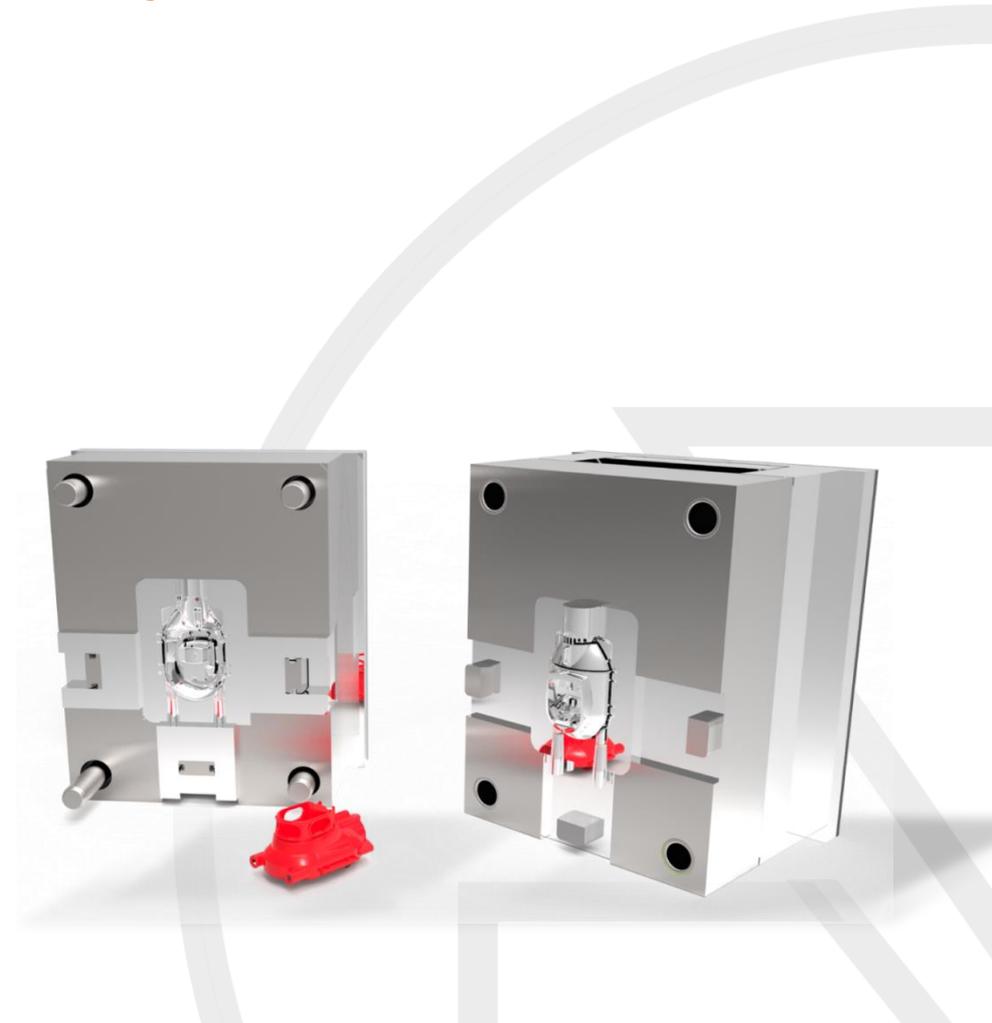
Validation of electrode data prevents costly rework and scrap!

- **Get effective burnface area**
- **Check for interferences**
- **Show machined areas of electrodes and workpieces**
- **Assign color formats for CAM**



Powerful preparation functions to identify or remove geometry!

- Remove EMX-ejectors
- Remove EMX-cooling
- Remove breakthroughs from imports
- Color rounds by radius
- Color corners



Get In Touch / Learn More



Data Sheet:

[SMARTElectrode Data Sheet](#)

Videos:

[YouTube-Playlist](#)

Product Page:

[B&W Software GmbH](#)

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