

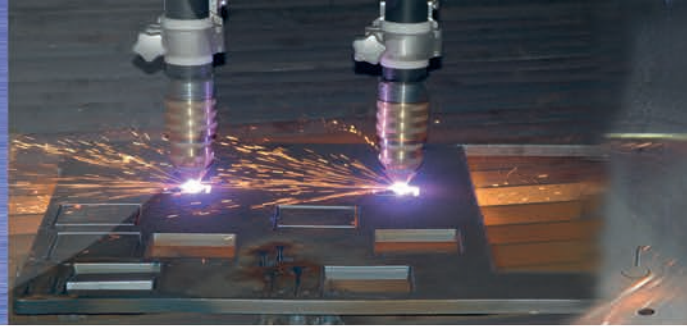
# ncNest



**A nesting solution that lasts!**



**The complete nesting solution  
for sheet metal.**



# The Constant in Your Calculations

## Introduction

IBE Software has a history of more than 20 years of success. With our highly motivated and skilled team supporting all your sheet metal industry needs, IBE stands for CAD/CAM solutions that last!

**We** develop integrated software solutions solely for our customers, working independently of any machine manufacturers. We support all cutting technologies including stamping. We are your pre-production advantage!

## Our Service For Your Business

**What** use would our software be if no one could really use it? Well-trained employees help to accelerate your internal processes - that's why we offer a comprehensive training and service palette for commissioning and maintaining your database.

## Our Services:

- Training sessions in Wilhelmshaven, on-site at your location, or online by webconference.
- Installation on-site or by remote desktop.
- Exceptional customer service on-site or by remote desktop.
- Maintenance contracts with our hotline.

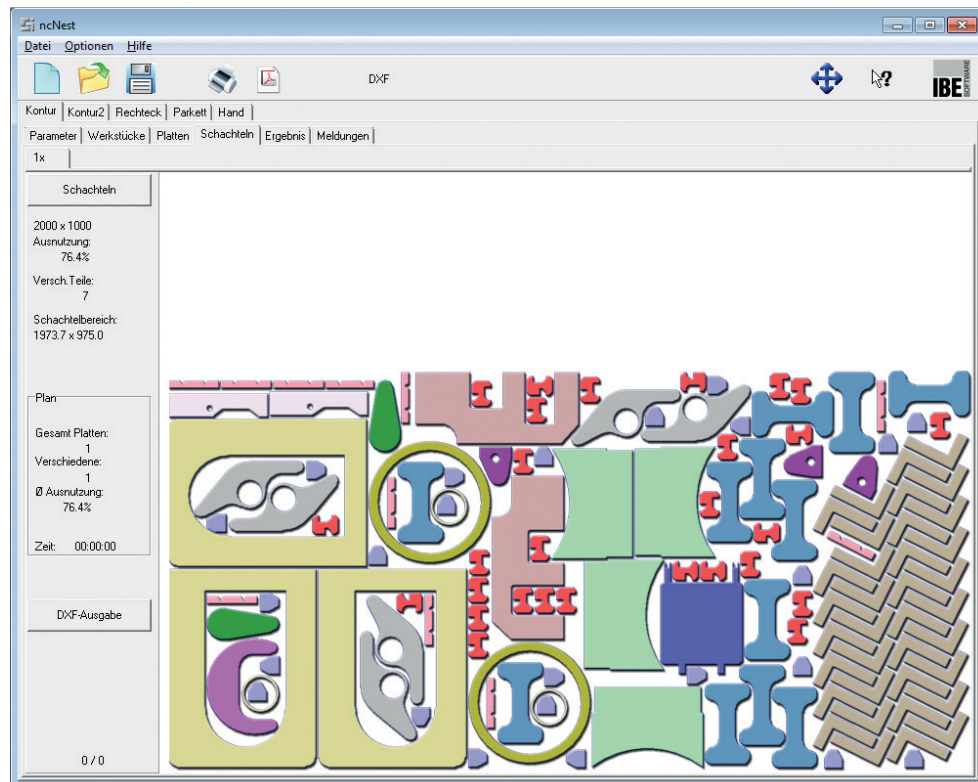
Find out about our comprehensive product palette for yourself!





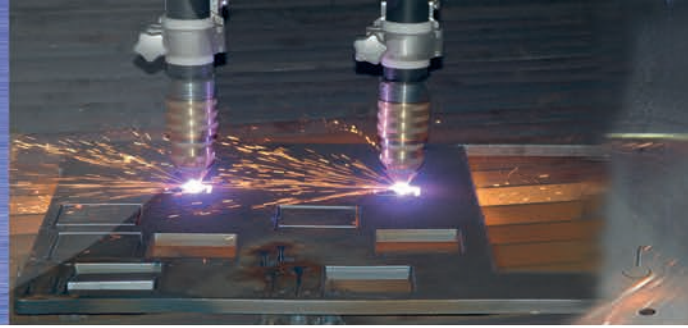
## ncNest: Your Guarantee Of Optimized Nesting Plans

**ncNest** is a program for creating nesting plans. The software uses our proven intuitive user interface and offers comprehensive functionality. **ncNest** supports your efforts to get the most from your materials by automatically optimizing your nesting plans. Every nesting plan can be manually fine-tuned after creation. When making your purchase you can license your preferred combination of our three automatic nesting strategies and one manual, tailoring your package to your production needs. Nesting plans can also be printed, or saved as DXF files.



### Your Advantages Summarized:

- Quick and easy to use.
- Export plans as DXF files.
- Optimal material utilization.
- Fully-automated or manual nesting.

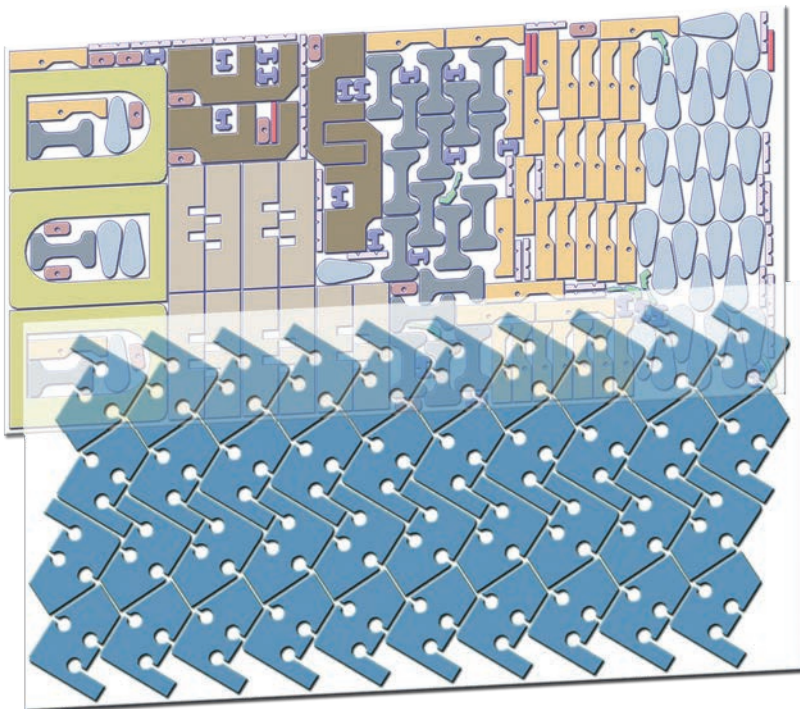


## Nesting - Get The Most From Your Materials

The **ncNest** program offers a range of nesting possibilities depending on the desired configuration level. Different methods are offered for automatic nesting with the various parameters and settings, leading to a wide variety of nesting results. Furthermore, subsequent processing can be completed by our manual nesting module when required.

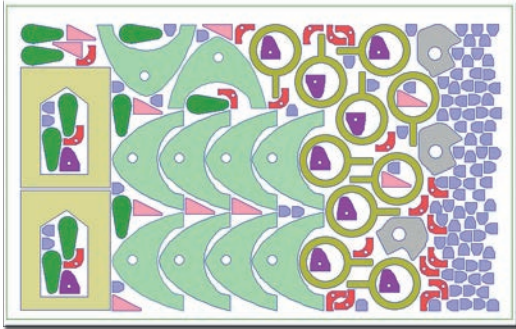
### Your Advantages Summarized:

- Part-in-part nesting.
- Collision checking for lead-ins.
- Nest on offcuts.
- Various parameters available per part e.g. angle, pairing, etc.
- Various parameters available per sheet e.g. margin clearances, orientation, etc.



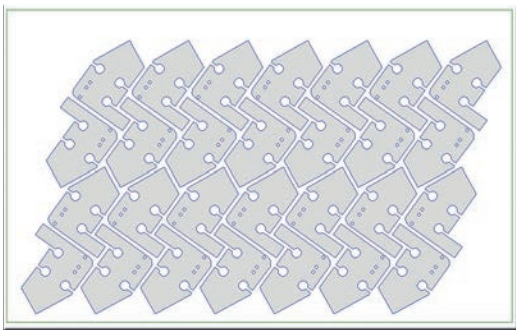


## Our Nesting Technologies



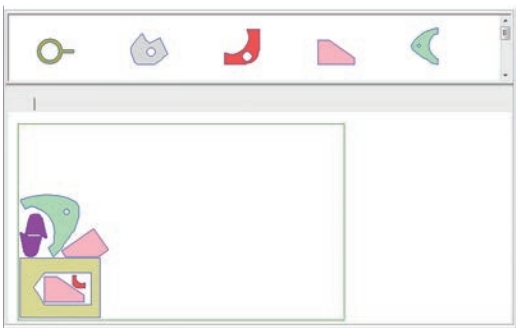
### True-Shape Nesting:

Multiple part types are automatically laid out efficiently on your sheet stock. The part-in-part function can be used to good effect!



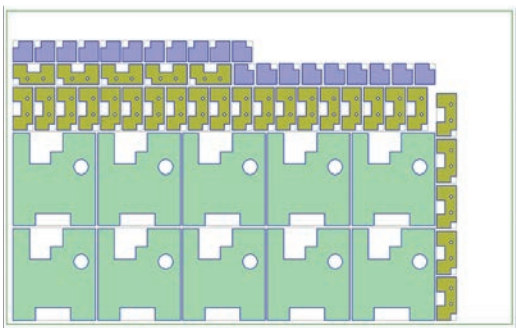
### Parquet Nesting:

A single part type is laid out on your sheet in a parquet pattern for optimal material utilization.



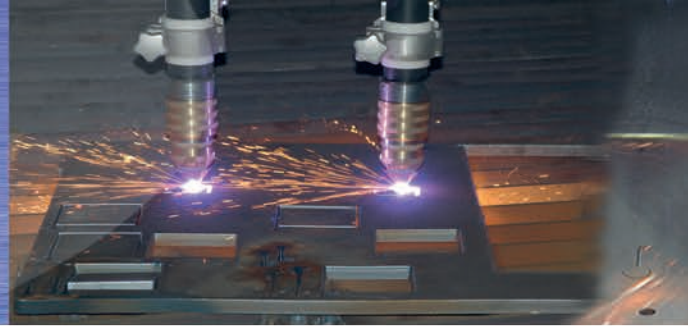
### Manual Nesting:

Drag and drop multiple part types on to your sheet exactly as you want them.



### Box Nesting:

Multiple part types are automatically laid out in boxes on your sheet. Particularly useful for stamping machines.



## Range Of ncNest Functions

### The Sheets

The sheet shape can be determined by the user. Besides rectangular sheets, sheet of any shape can be loaded. The sheet shape is set by a DXF file. The sheet can be allocated qualities, e.g. the roll direction and the orientation for the nesting.

### Multi Torch

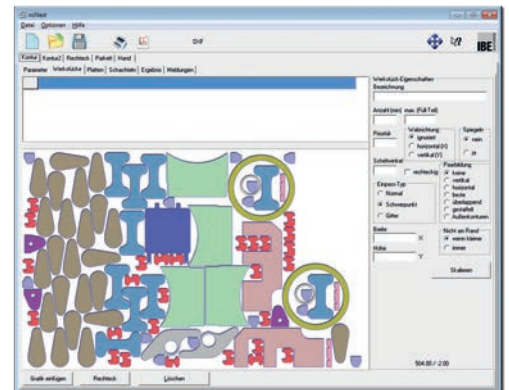
The parameters for multi torch operation can be set in **ncNest**. The degree of sheet use can be prescribed. If the expected sheet use is not achieved, nesting is done for one torch.

### Commission nesting

Commission nesting is understood to be the nesting of complete and self-contained components. A commission can either begin on a new sheet or can be continued from the previous commission. In this case, the current sheet is completely nested first and the remainder of the commission placed on the following sheet.

### Use Of Nesting Plans

All nesting results can be saved as DXF file. Later the DXF file can be used again in your production. Furthermore, each nesting plan lists the utilisation and the parameters of the sheets. A sheet can be altered at any time and the plan can be re-nested on another sheet.



### Formular

A nesting result can be printed out directly using the formular editor. Besides the single pages, the formular editor can generate a standard page with company name, logo, barcode or other details.

Documentation of the nesting plans can be generated in PDF format with one simple mouse click. The settings from the formular editor are thus incorporated into the document.



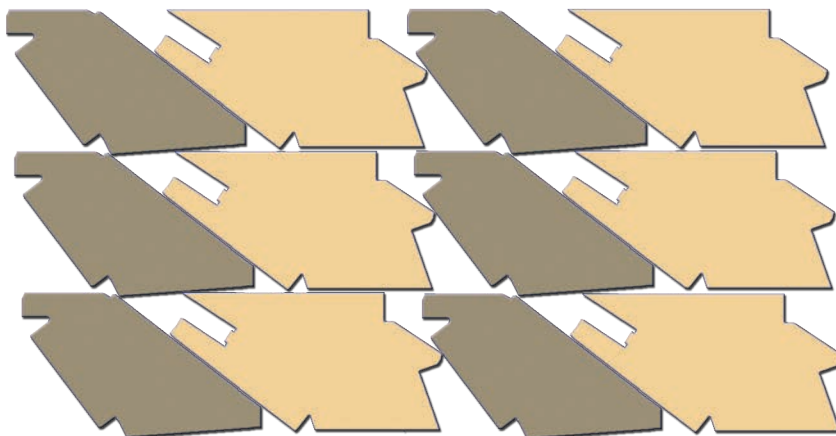
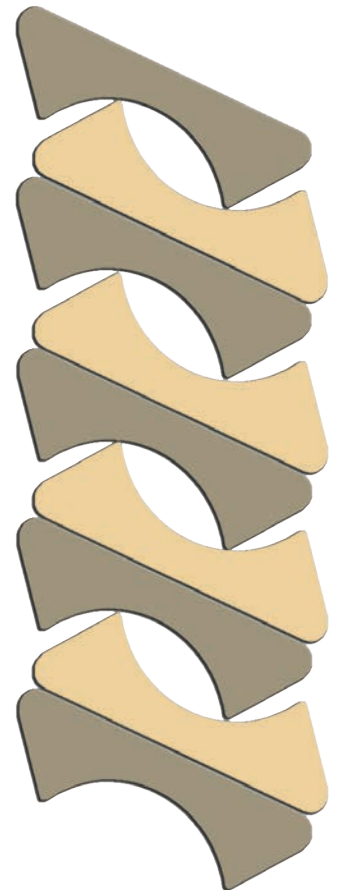
## Coil nesting - Parts Layout For Continuous Loop

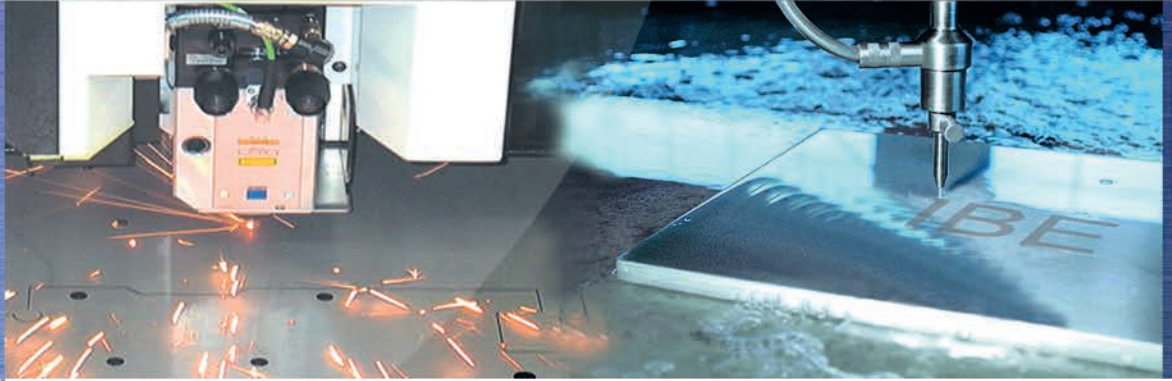
The nesting software **ncNest** delivers an effective nesting result when creating **coils**, also telling you the optimum coil width. This lets you order only the best-suited materials, and use them effectively.

**ncNest** is a solution for job quotation and planning as well as coil nesting. With considerations such as material cost by width, the software will create the required coil nests as efficiently as possible, and let you know the best coil width to use. The material utilization percentage, width, and lead-in length as well as the part count are calculated for you (for coils up to 100m long).

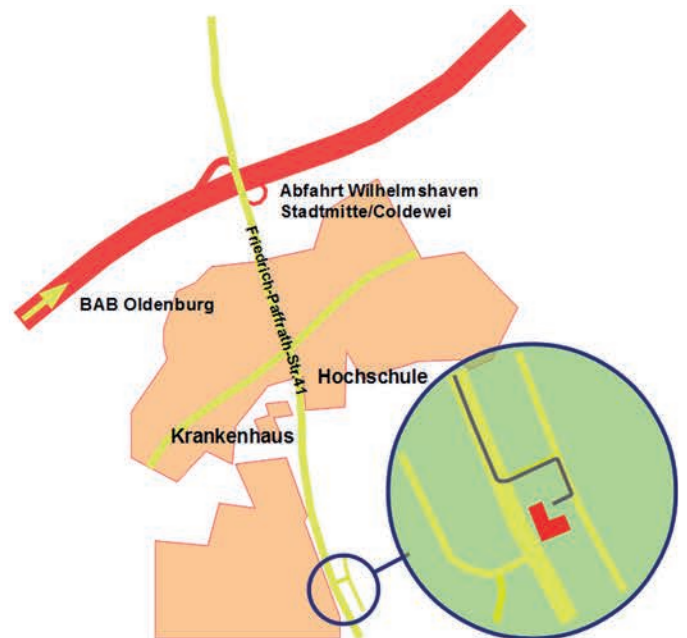
### Advantages Of The ncNest Coil Module:

- Optimal material utilization.
- Use minimum possible material.
- Minimize material costs.
- Two similar parts can be manually pair-nested to use space more effectively.
- Min. und max. coil width input possible, with accompanying calculations.
- Save nesting results as a PDF file.
- Material utilization given as a percentage of the whole.
- Part count calculated over up to a 100m Coil.





## Visit us



### **IBE Software GmbH**

Friedrich-Paffrath-Straße 41  
26389 Wilhelmshaven

Tel.: +49 (0) 4421 - 994357

Fax: +49 (0) 4421 - 994371

[info@ibe-software.de](mailto:info@ibe-software.de)

[www.ibe-software.de](http://www.ibe-software.de)

