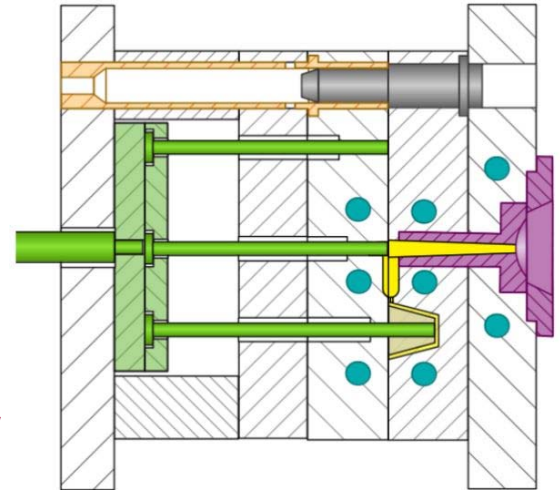




**CalcMaster®** advising and calculation software  
Makes the mould, moulding and product calculation very easy



Use the  
**CalcMaster**  
software



**Product-and Mould designer**

**Mould maker**

**CalcMaster**

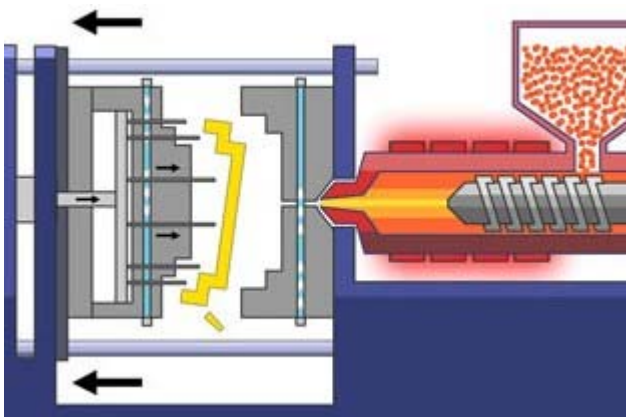
presentation about:

**Injection mould** and **product** calculation.  
**Estimate** first the **product** and **mould design**  
with de **CalcMaster 3D software**

**CalcMaster®**

Innovative advising and calculation software.

**Injection moulder**



**Purchasing and Sales**



# CalcMaster®

Innovative advising and calculation software

As partner on table with:

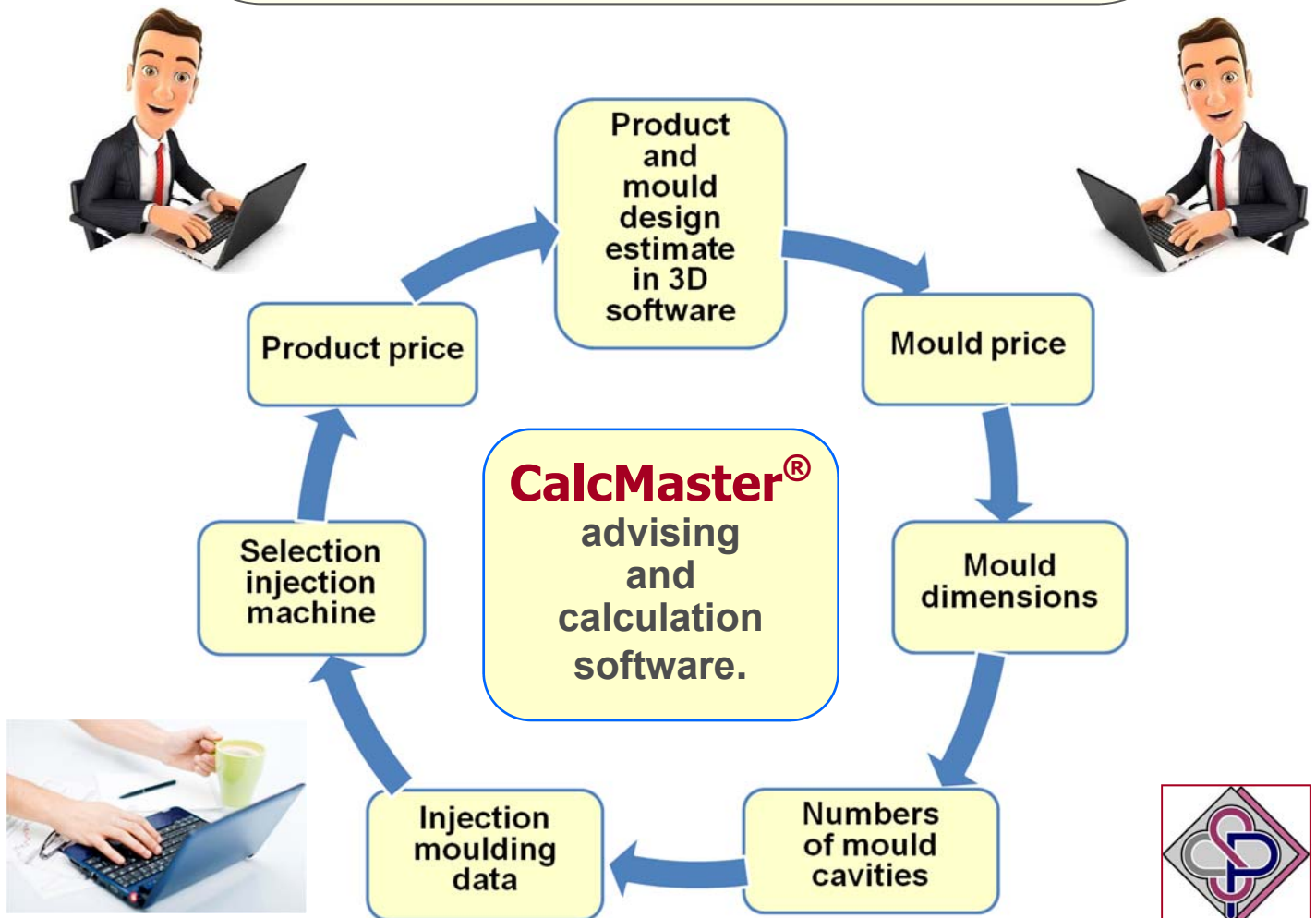
**Product designer – Mould maker- Injection  
moulder Purchasing - Sales and Management**

## New product design

With a **new product design**,  
make by your self  
directly the calculation of the  
**mould price** and **product price** .

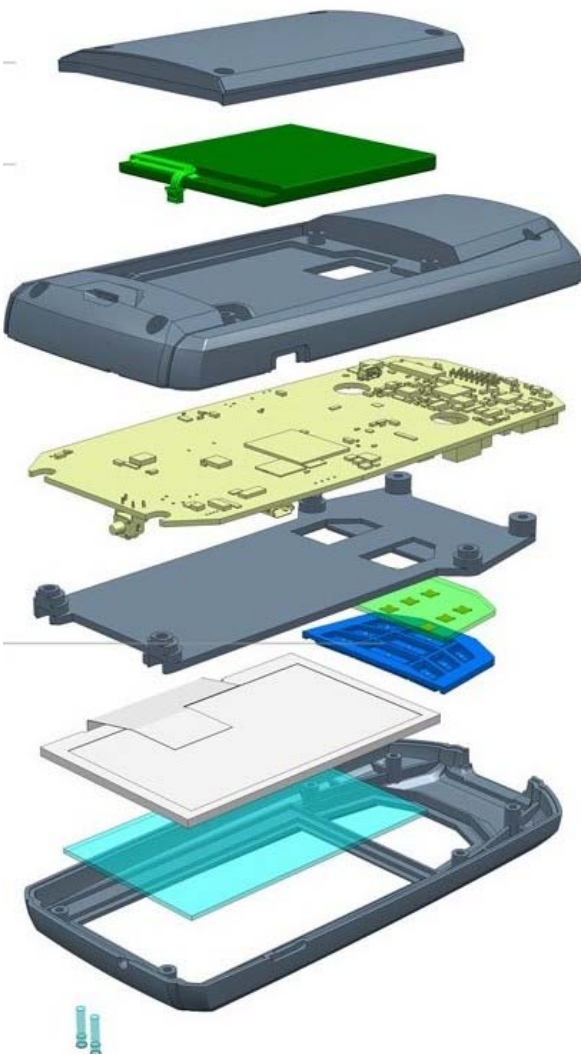
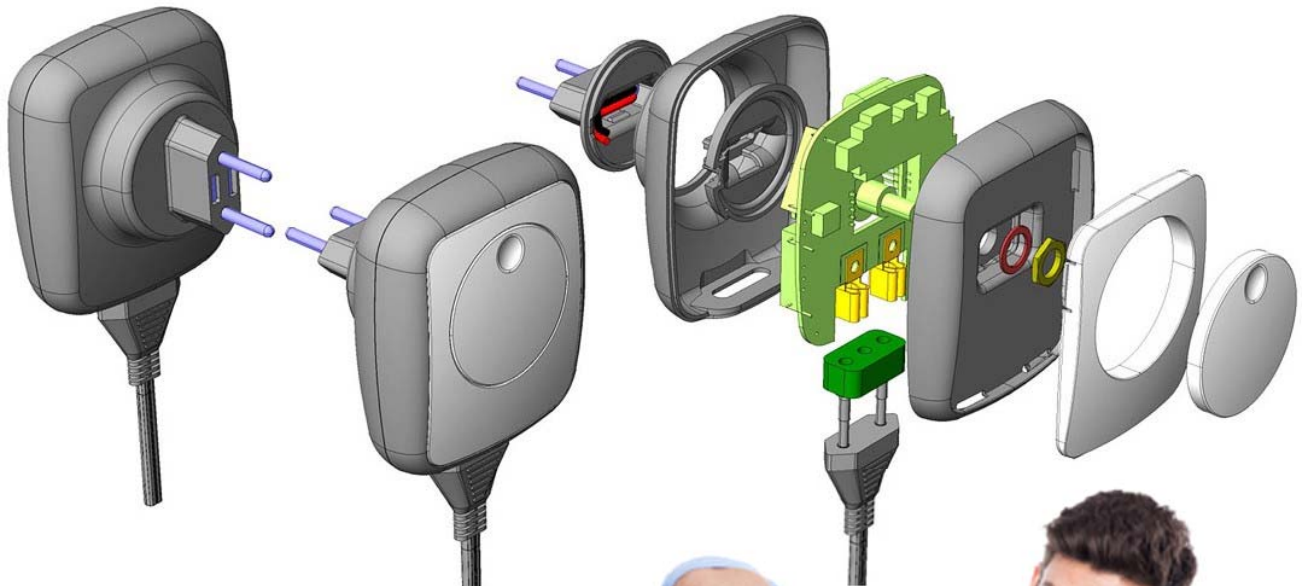
Without direct help from mould maker  
and injection moulder.  
with the **CalcMaster software**.

CalcMaster® Innovative software



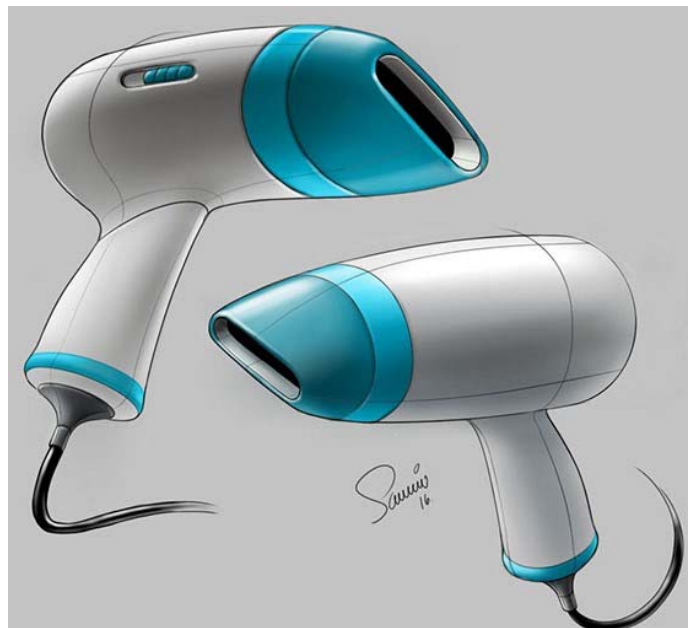
With designing a new moulding product.  
use then the **CalcMaster software**.

Estimate direct the product and mould design,  
After this you can calculate the **mould** and **product price**



## Product design

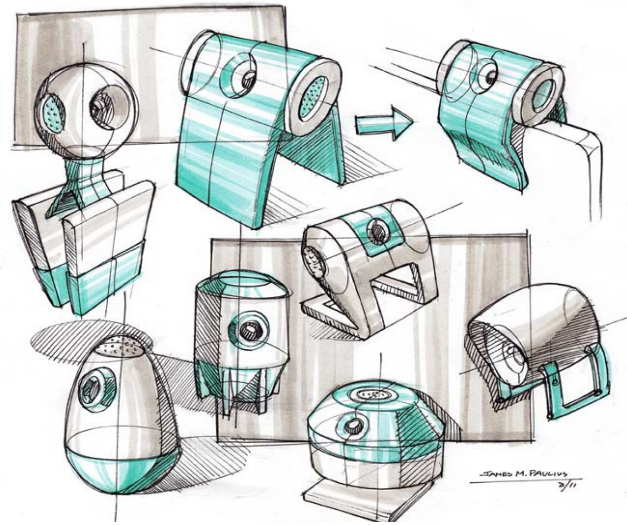
Estimate with the  
**CalcMaster software**



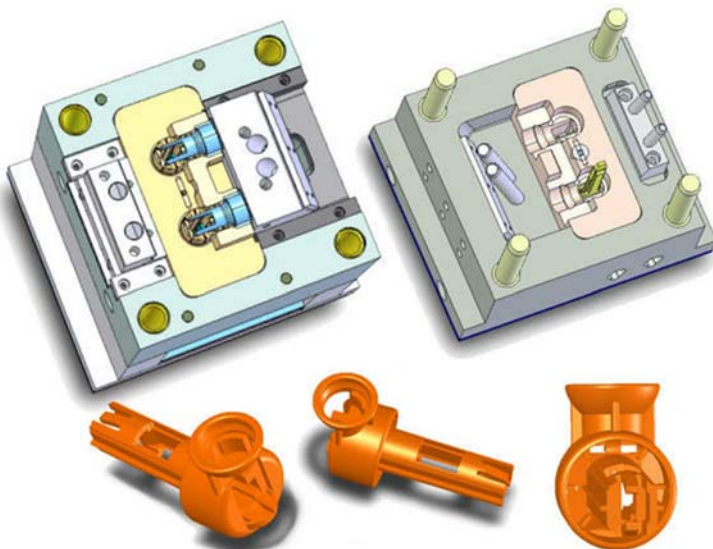
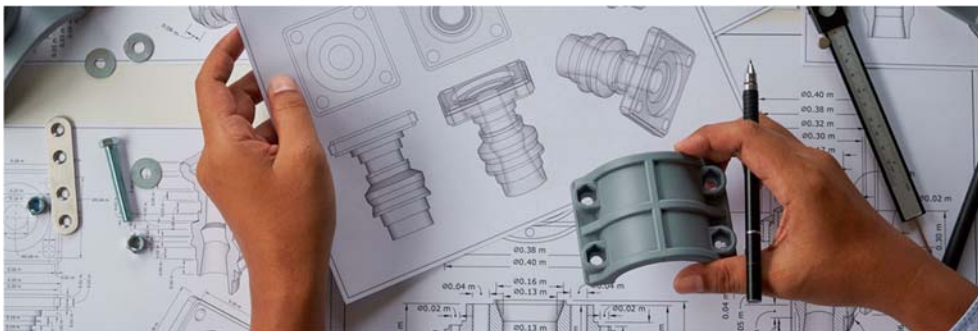


# CalcMaster<sup>®</sup> advising and calculation software

Makes the mould, moulding and product calculation very easy



The **CalcMaster** software is used at the start of a new one **product design** and **mould design**.

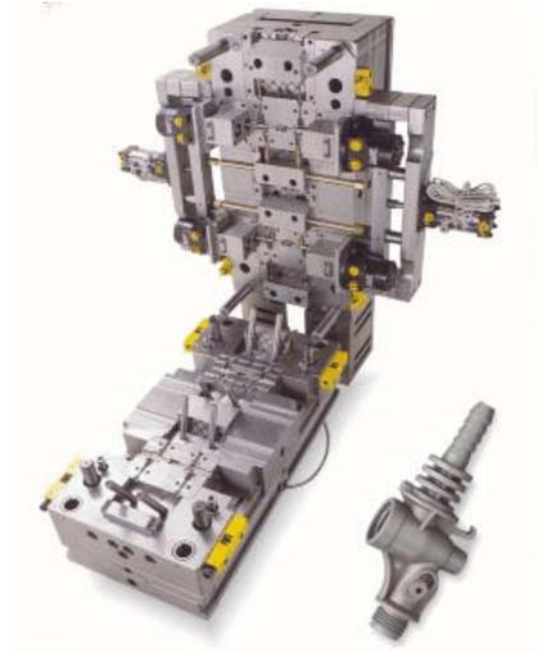


## Mould costprice calculation.

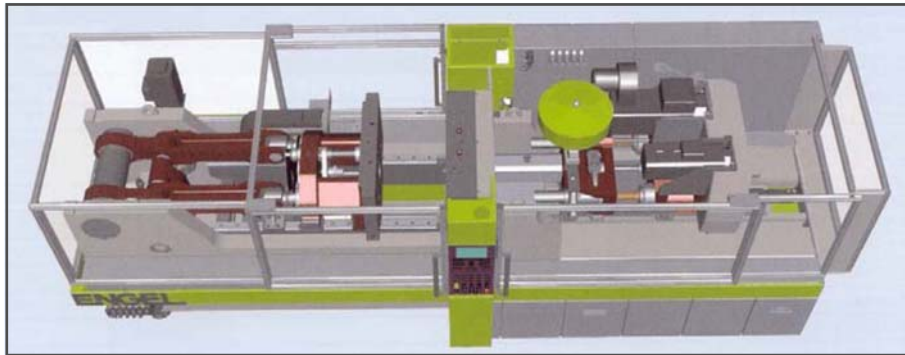
For working out the costprice of the mould we use a selection system for product design and mould construction. Herewith we always make the choice for the relevant point for a criterion such as for example product geometry, tolerances, surface ratio, the type of gating and ejection system, mechanisms, cooling, slides, etc.

The selection for the manufacturing of the cavities and the mould base are added and the program calculates the total number of manufacturing-hours, construction-hours and the remaining costs for material and hardening, hotrunner, standard mould base parts etc. and afterwards the total mouldprice. By changing the number of cavities, the program calculates very quickly the new mouldprice.

This mouldprice can eventually, with the help of the calculated values, be corrected step by step. The cost analysis of the hours and cost shares can be viewed graphically.



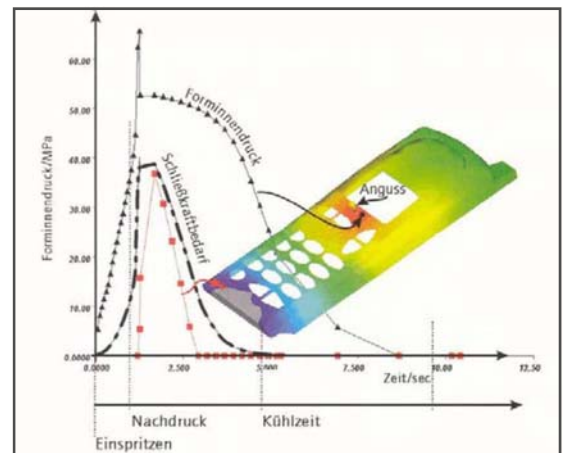
## CalcMaster® Injection molding advising software



## Injection pressure, Clamping force and Cycle time

In this menu we can, with the help of the injection-moulding simulation, calculate all the injection moulding data. With the use of the product and plastics data all the values are calculated, in which the rheological data from the database is used. When entering the processing temperatures, the values which are recommended by the plastics supplier are automatically taken from the database.

The injection pressure and the clamping force are calculated at different injection times from the flowlength / wall thickness ratio. The injection times are chosen by the CalcMaster program and dependent of the wall thickness. After the calculation of the cooling time, the cycle time is calculated and displayed in detail and can be used for further correction and evaluation. For products with thick walls, for which in most cases the inner core of the products does not have to be cooled down until the demoulding temperature, you can select an optimal cooling time from the graph of the temperature curve against the total wall thickness for 5 cooling times. With the use of the graph for the temperature curve you can make a correct estimation.





**Design**

**Product development**

**Moldmaker**

**Injection molding**

**Product price**

**CalcMaster software**

**from concept till the product**

[illegible]

The **CalcMaster software** is used at the start of a new one **product design** and **mould design**.



During the designing of the **product** you have the possibility on a simple way to calculate directly the

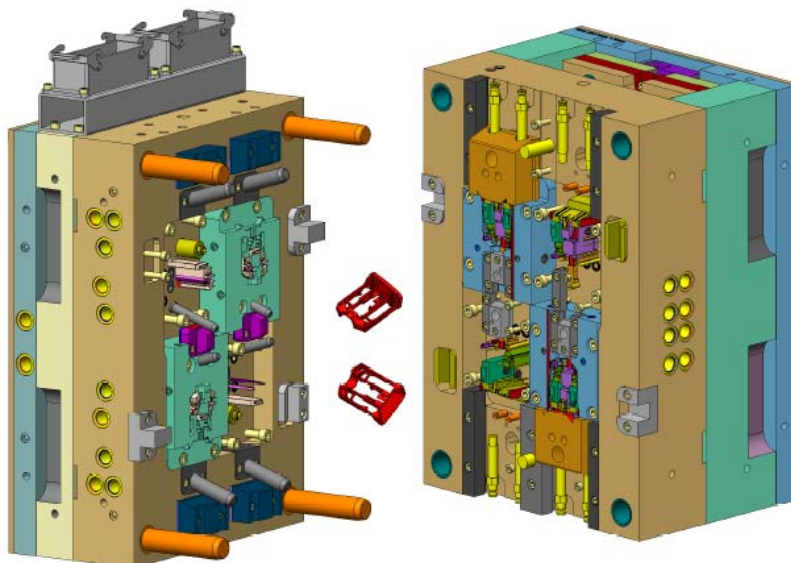
**Mould price**  
and the  
**Product price**

with the  
**CalcMaster software**

You have then also the possibility to make a corrections on your product design.

You want to design also a **cheap** product design ?

Use also the  
**CalcMaster software**





## CalcMaster software

Product designer

Mouldmaker

Injection moulder

Purchasing - Sales



With a **new part design**, make by yourselves  
directly the calculation of the  
**mould price** and **product price** .

Without direct help from the mouldmaker and moulder  
with the **CalcMaster software**.

With a new product design you have only  
2 Questions  
the **mould price**  
and the  
**product price**

The customer needs a **low-priced product**.  
And herefor he needs an injection mould

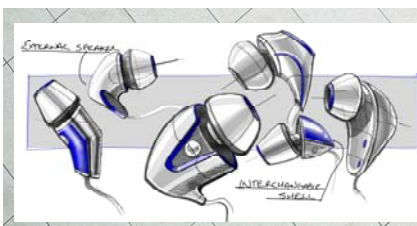
The **mould price**.

Some times a bit cheaper.

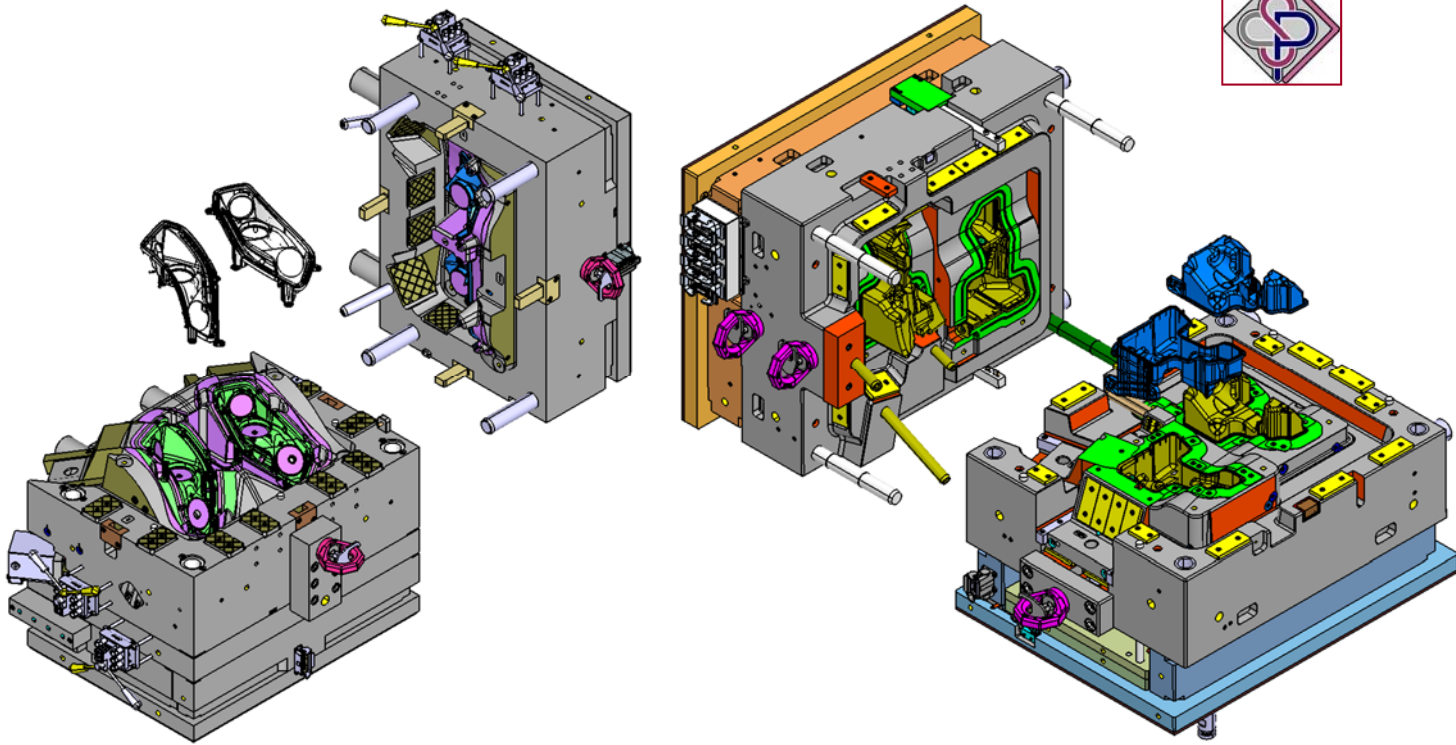
Some times a bit more expensiver

Dependent from many customer wishes.

But the **product price** must be **cheap**.

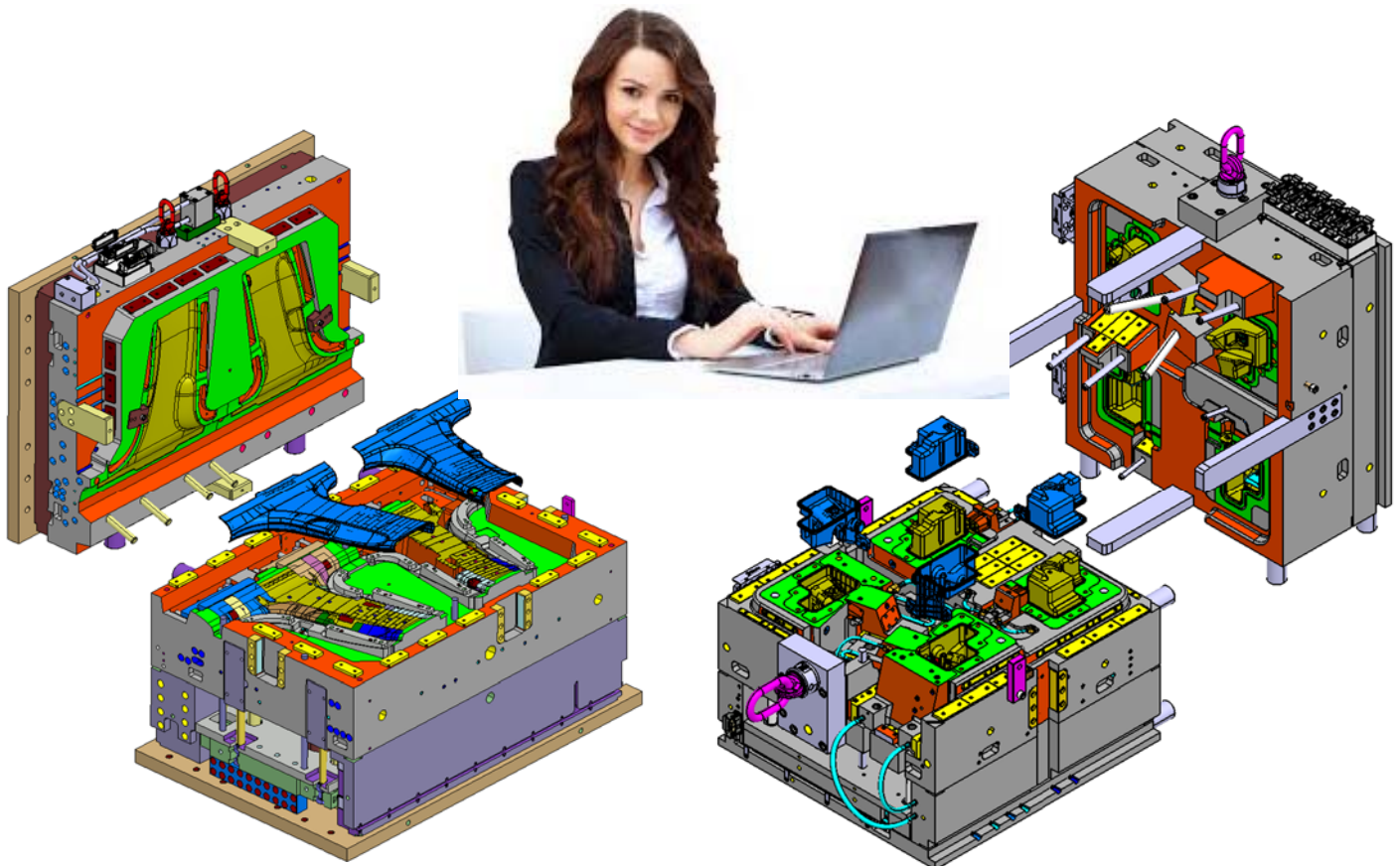






With designing a new moulding product.  
use then the **CalcMaster software**.  
Estimate direct the product and mould design,  
After this you can calculate the **mould** and **product price**

CalcMaster® Innovative software

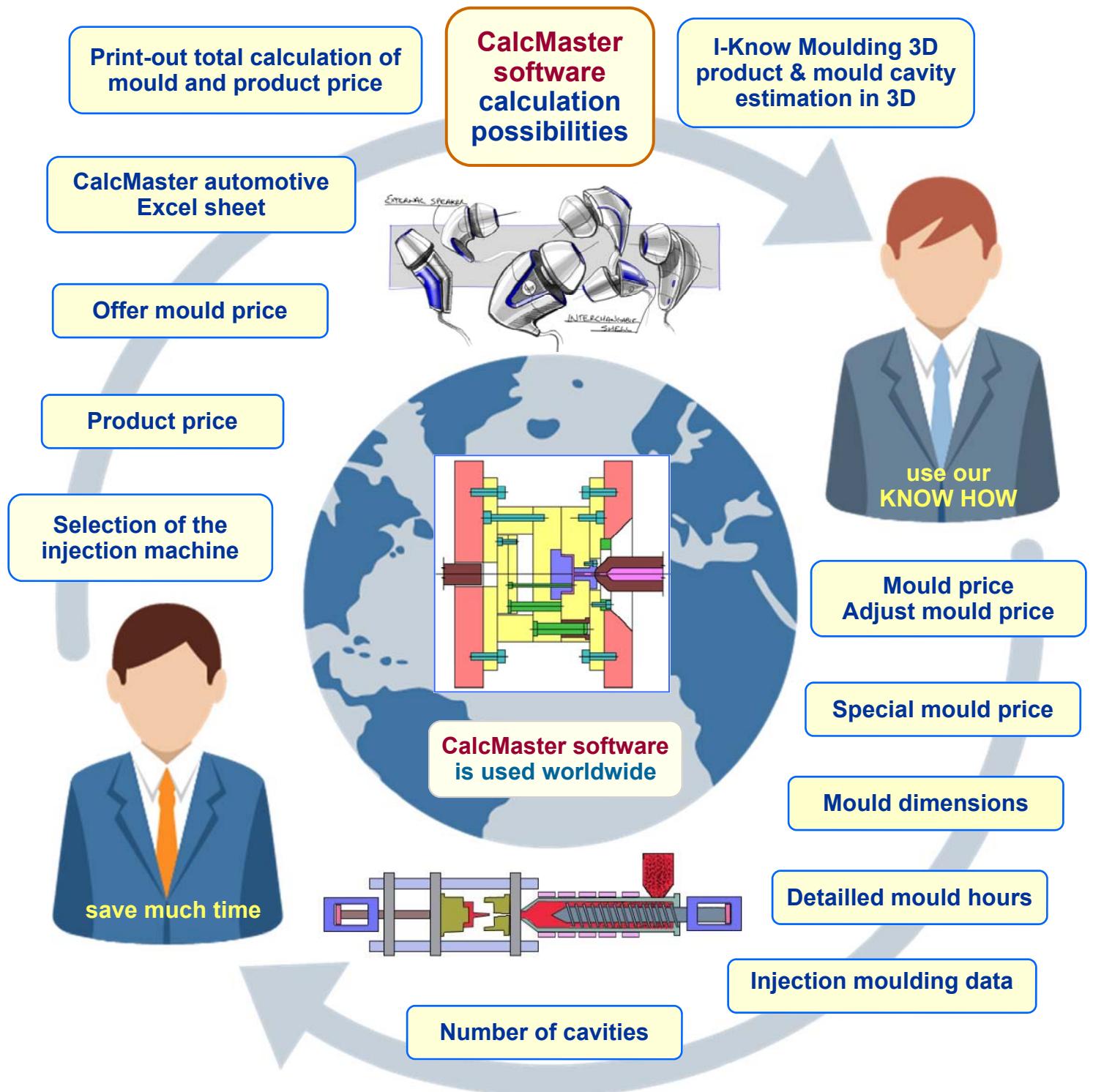


# CalcMaster<sup>®</sup> advising and calculation software

Makes the mould and product calculation very easy

**Business advising & Product costs optimizing**  
as partner on table with:

Product designer- Mould maker - Injection moulder  
Purchasing - Sales - Management





# CalcMaster® Innovation software

Project, mould, moulding and product calculation made very easy



You can save **much time** when you use the **CalcMaster software**.

**CalcMaster** Innovation **advising** and **calculation software** for the total injection moulding industry. **Estimate the product design** and the **mould design** first very well with our **CalcMaster 3D software**. after this you can make direct:

- the calculation of the mould investments with a new product design.
- the calculation of the product price.

We want inform you about the possibilities of the CalcMaster software.

**CalcMaster** advising and calculation software for the total injection moulding industry:

- **Product and mould estimating** in our 3D software in the beginning of the total project.
- **Mould price calculation.**
- **Mould dimension calculation.**
- **Mould price correction is possible.**
- **Detailed mould hours.**

#### Special moulds:

This **Optional** part can only be used in combination with the Standard CalcMaster software.

This **OPTIONAL** part for the mould and injection moulding software contains:

- 2 Components in 2 cavities
- 2 Components in 1 cavity
- Left and the right product
- Stack moulds
- Soft tool mould
- 1+1 product in the mould
- Combinations are possible (not every combination is possible)
- **Injection moulding data.**
  - injection time
  - injection pressure
  - clamping force during injection
  - clamping force during holding
  - theoretical cooling time
  - actual cooling time
  - maximum holding time
  - total cycle time
  - detailed cycle time
- **Selection of the injection machine.**
- **Economical numbers of mould cavities.**
- **Product price calculation.**
- After the CalcMaster calculation we send all the calculate data to an **Automotive Excel sheet.**
- **CalcMaster Modules**
  - **CalcMaster - i-Know Moulding 3D software**  
i-Know Moulding Works with the STL-file CAD format.  
With 3D mould plates overview. Mould parting lines 3D on your screen.  
With automatic parameter transfer of data for a fast direct mould calculation.
  - **CalcMaster Mould Dimensions.**  
Mould dimensions for 1 to 96 cavities.  
Calculation of all the mould plates dimensions.  
You can select the steel type for each separate plate.
  - **CalcMaster Selection of the injection machine.**  
After the calculation from the CalcMaster Menus 1 - 2 - 3 and 4 this module can automatically the right injection moulding machine.

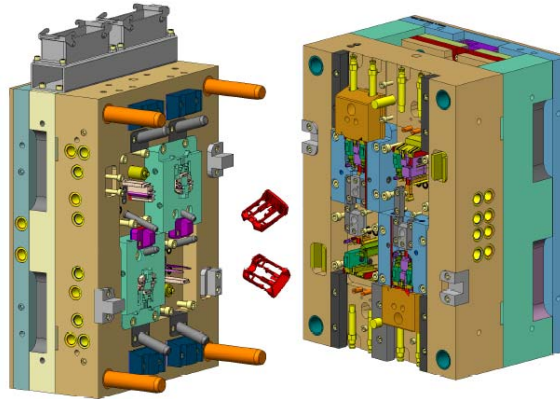
We have the possibility that you can **testing** the complete CalcMaster Advising software.

Testing time 4 weeks after the installation. Ask for the costs of the CalcMaster Trial version.

**During the design phase** of the product a direct connection is made between:

the **product design**, **mould cost**, **injection moulding data**, **economical number of cavities** and the complete **product price** of an injection moulded product.

# CalcMaster® advising and calculation software



## Injection molding software for optimization and calculation of injection molded products

**Made Project- Mold- and Product calculation very easy.**

Is the most comprehensive injection molding software for:

**The Standard CalcMaster software calculates for you very fast the:**

- Moldprices
- Detailed mould hours
- Injection molding data
- Most economical quantity of cavities
- Complete costprice of the product
- Asking a quotation for a moldprice
- Making a quotation for a moldprice
- Print out the total calculation
- 12 languages
- Mould maker user profiles
- Settings for different mould makers

**The Optional CalcMaster part for the mold and injection molding software calculates for you very fast:**

- 2 Components in 2 cavities
- 2 Components in 1 cavity
- Left and Right product
- Stack molds
- Softtools molds
- 1+1 Product in the mold
- You can send all the calculated data to an automotive Excel sheet
- Suppliers cost overview data sheet

The **Professional** CalcMaster software is the **Standard + Optional** CalcMaster part

### CalcMaster Modules

- **CalcMaster - i-Know Moulding 3D software**  
i-Know Moulding Works with the STL-file CAD format.  
With 3D mould plates overview. Mould parting lines 3D on your screen.  
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# CalcMaster advising and calculation software

Makes the project, mould, moulding and product calculation very easy

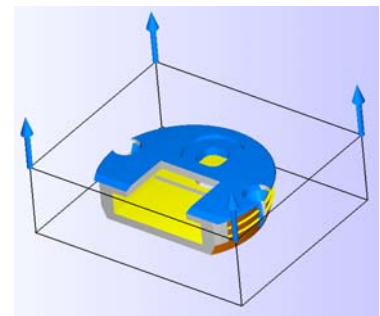
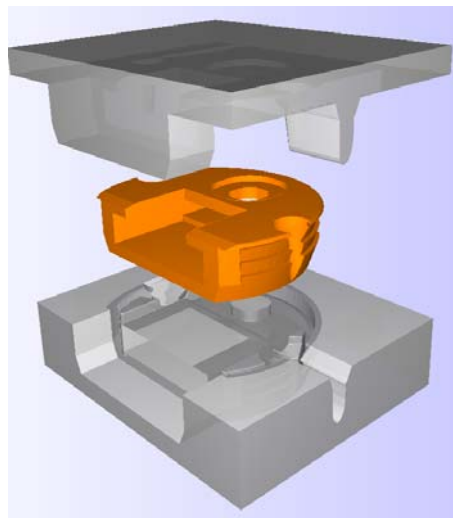
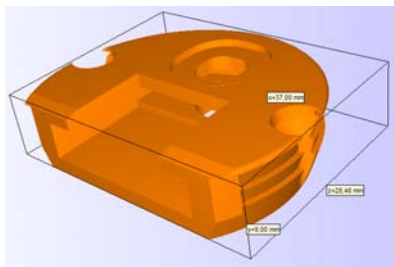


Designer - Mould maker - Moulder and Sales

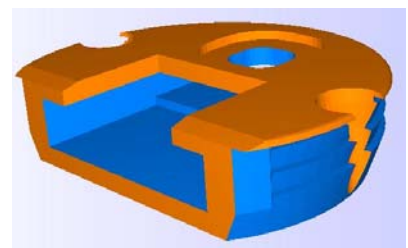
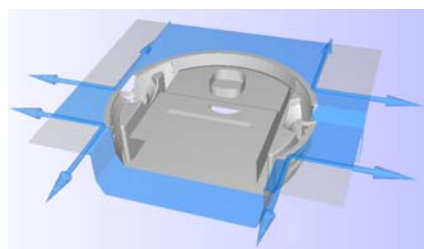
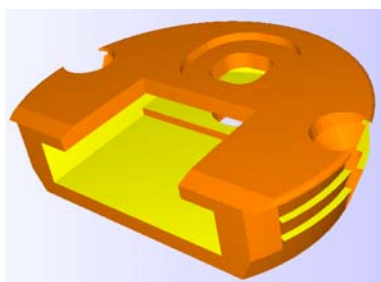


CalcMaster Puzzle piece

With a new mould calculation you must have by the start  
a very fast understanding on with way you can put  
the product very well and right into the mould.



**CalcMaster**  
i-Know Moulding  
3D software



CalcMaster® Innovative software

# I-Know Moulding 3D software

**CalcMaster software**  
first we make from the  
**Product and Mould**  
**Design**  
direct a good overview  
with our 3D software.

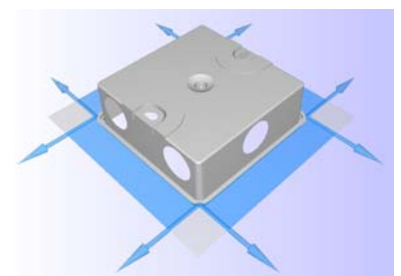
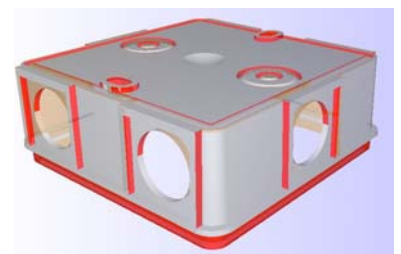
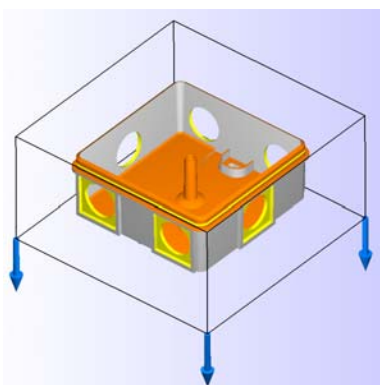
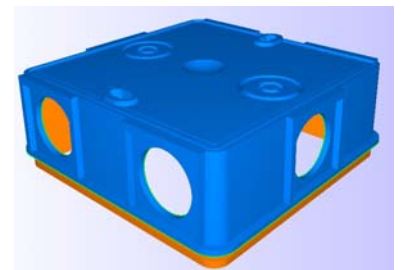
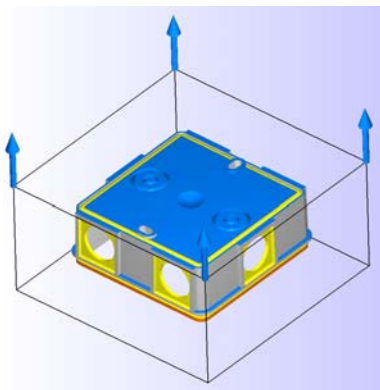
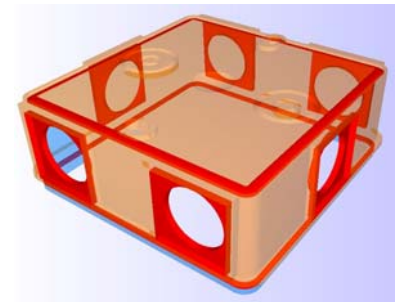
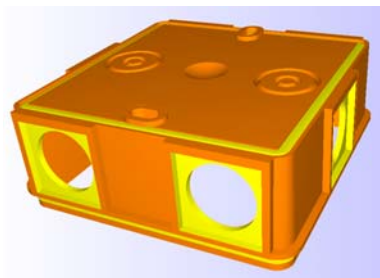
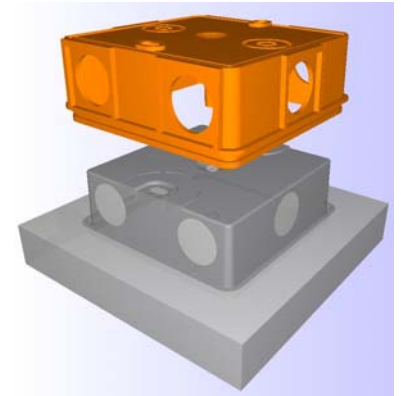
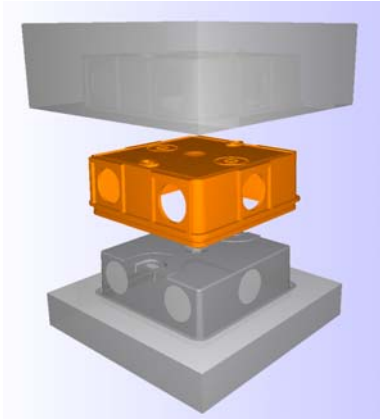
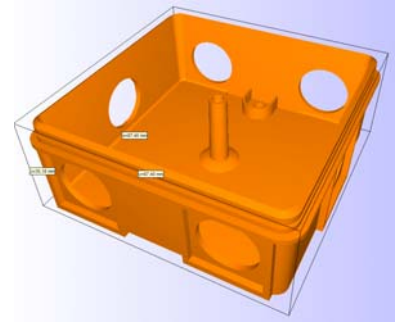
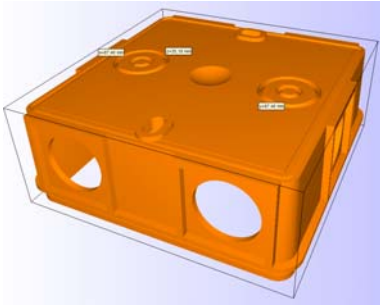
And after this  
calculate direct  
for you  
the numbers of hours  
that you need for the:

**Mould construction**  
**Mould cavity**  
**Mould base**  
**Programming**  
**Work preparation**

And after this  
all the  
**detailed**  
**mould hours**  
for all the  
cuttings machines.

As well will be  
calculate the  
total  
**project costs.**

Use also the  
**CalcMaster software**

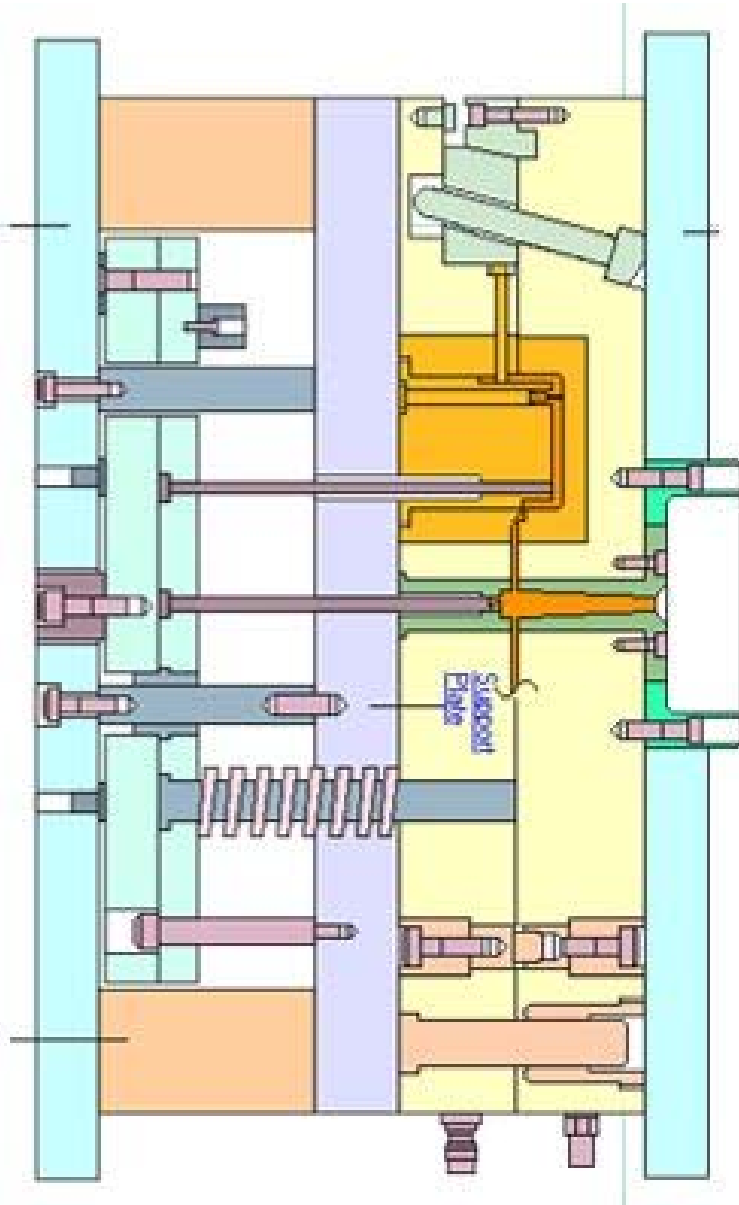




## CalcMaster® advising en calculation software

### Estimate and calculating of the mould price

CalcMaster® Innovative software



**CalcMaster software**  
calculate direct  
for you  
the numbers of hours  
that you need for the:

**Mould construction**

**Mould cavity**

**Mould base**

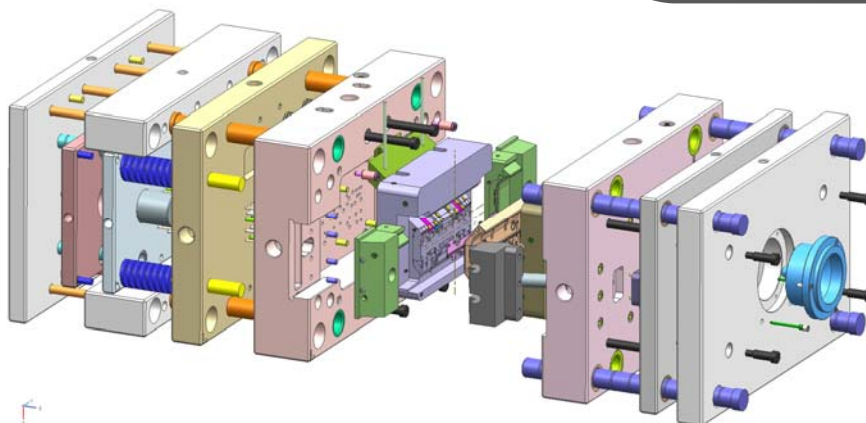
**Programming**

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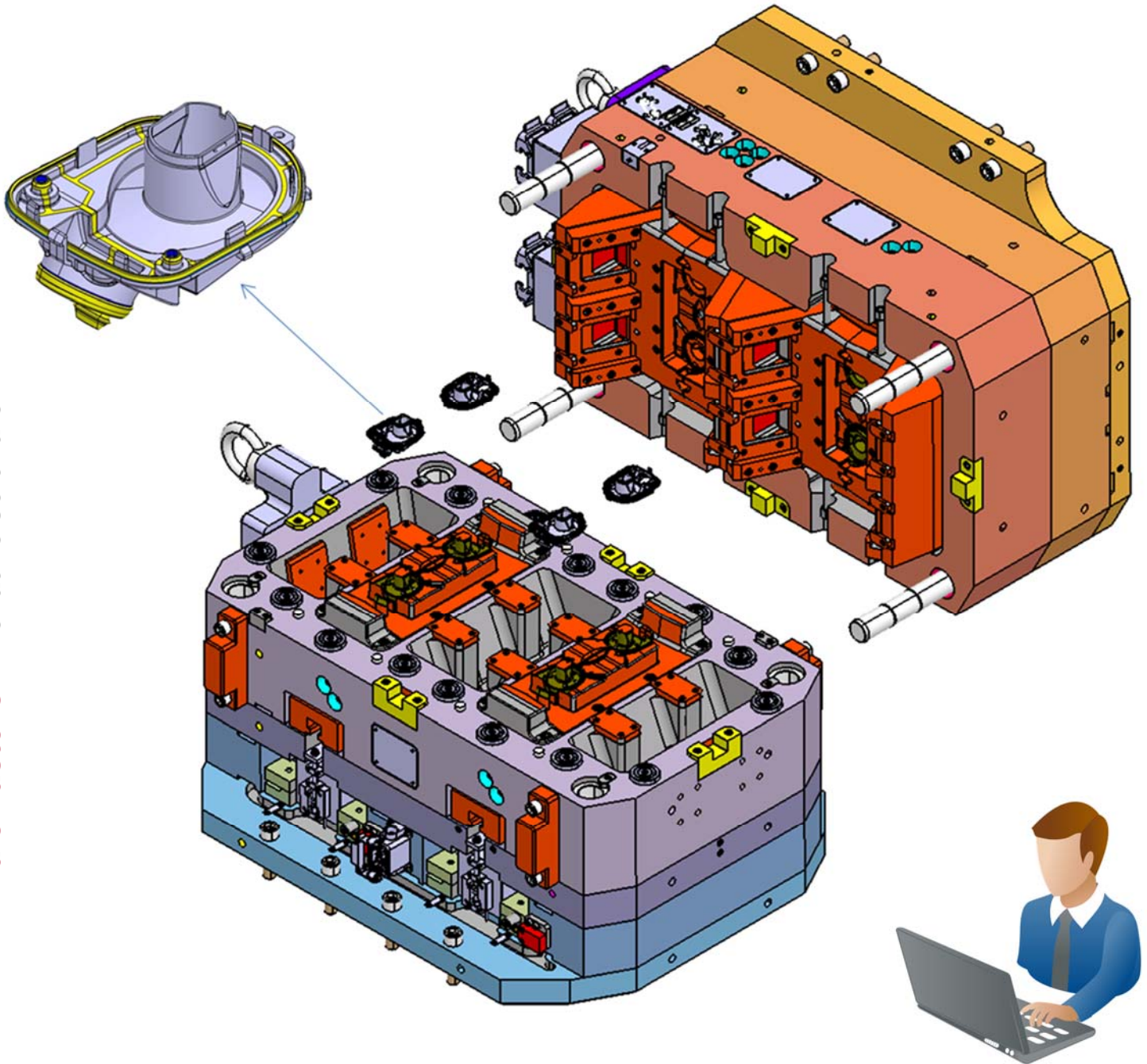


With designing a new moulding product.  
use then the **CalcMaster software**.



Estimate direct the product and mould design,  
After this you can calculate the mould and product price

CalcMaster® Innovative software



## Mould design

Estimate with the **CalcMaster software**

## **CalcMaster** advising and calculation software

Makes the project, mould, moulding and product calculation very easy



**A good and right communication is essential**



With the  
**CalcMaster software**,  
you have a 100 % right  
**communication**  
between all persons  
and/or departments

## **Good and right communication**

With every new product calculation you will start at zero.  
You also do need much advise from other persons and/or departments.  
You can also add your own knowledge.

Anyhow you have to communicate in a very short time with these persons.  
Many persons know a lot, however they live on their own island.  
You don't get a clear answer to all your questions.  
However you must take now the right decisions very quickly.

### **CalcMaster advising and calculation software**

can help you to take the right decisions.  
You print the complete calculation and show this at the other persons,  
now you get a 100% right communication.

**You communicate very well for the full and complete 100%.**  
**You get a clear answer to all your questions.**



## **CalcMaster** advising and calculation software

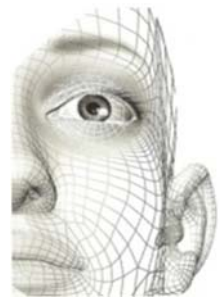
Makes the project, mould, moulding and product calculation very easy

**CalcMaster software** makes the calculations of the mould dimensions and the complete mould price.

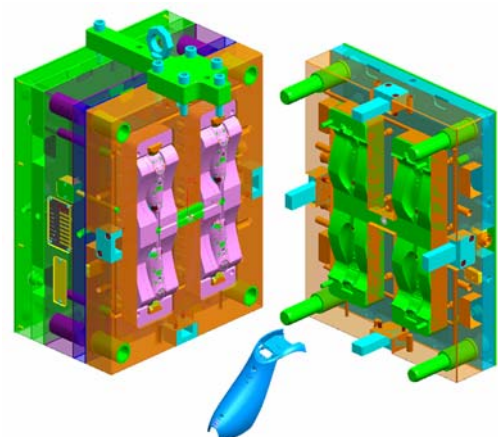
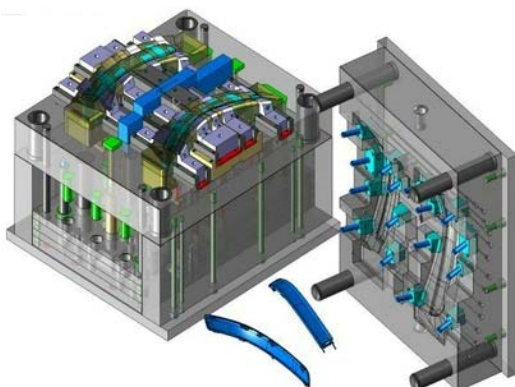


### Our philosophy is:

That you can intervene direct in the CalcMaster mold calculation by saving in the background once-only the many extra settings with your own experience.



Mould cost-analysis in project phase instead of after the proof injection



## CalcMaster® advising and calculation software

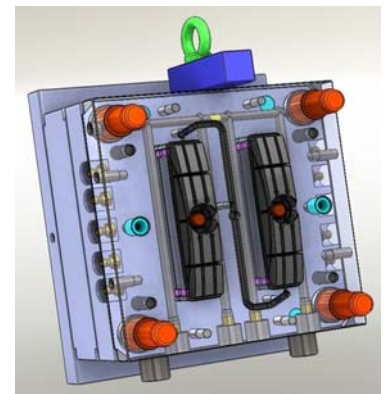
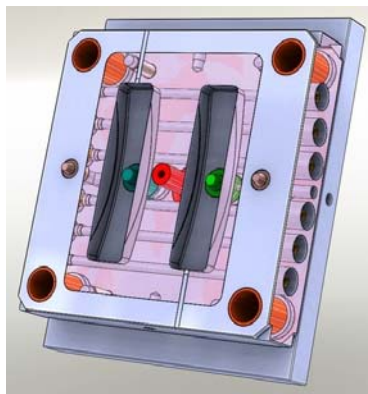
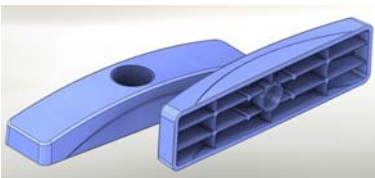
Injection moulding software for optimization and calculation of moulded products.  
Makes the Project-, Mould- and Product calculation very easy

Is the comprehensive injection moulding software  
**Business advising & Product cost optimizing**



**Discussion foundation for  
commercial and technical employees**

**CalcMaster** is an calculation software which is far in  
**advance of it's time** and is developed for the newest  
mould- and injection moulding technologies.  
With the right **worldwide** interaction with our users.  
You profit of a worldwide experience.



# CalcMaster® Innovative software

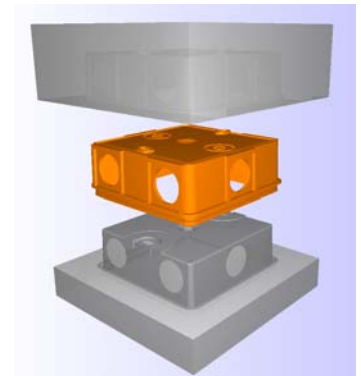
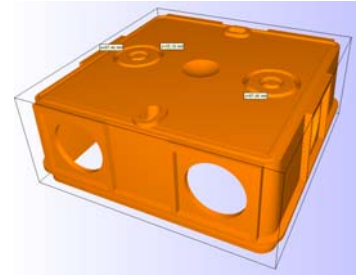
Project, mould, moulding and product calculation made very easy



**CalcMaster®** is the most **comprehensive** injection moulding software  
The CalcMaster software calculates for you very fast and accurate:

## Standard CalcMaster software part for the mould, moulding and product calculation

- **Mould prices**  
Standard and detailed hours calculation
- **Detailed mould hours + Project price**
- **Injection moulding data** (injection moulding simulation)
- **Most economical quantity of mould cavities**
- **Complete cost price of the product**
- **Asking a complete quotation for the mould price**
- **Making a complete quotation for the mould price**
  
- **Printing the total calculation including pictures + company logo**
- **Export of all the CalcMaster data to an Automotive Excel sheet**
- **Suppliers cost overview data sheet**
- **12 languages**
- **Mould maker user profiles**
- **Settings for 8 different mould makers profiles**
- **CalcMaster help text**

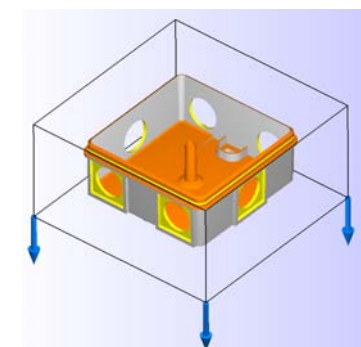
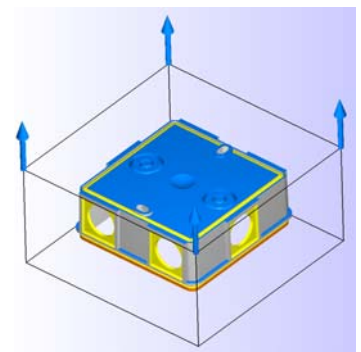
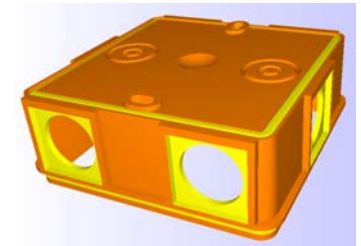


## Optional CalcMaster software part for the mould, moulding and product calculation

This **Optional** part can only be used in combination with the Standard CalcMaster software.

This **OPTIONAL** part for the mould and injection moulding software contains:

- **2 Components in 2 cavities**
- **2 Components in 1 cavity**
- **Left and the right product**
- **Stack moulds**
- **Soft tool mould**
- **1+1 product in the mould**
- **Combinations are possible** (not every combination is possible)



The **Professional** CalcMaster software is the  
**Standard + Optional** CalcMaster part

## CalcMaster Modules

- **CalcMaster - i-Know Moulding 3D software**  
i-Know Moulding Works with the STL-file CAD format.  
With 3D mould plates overview. Mould parting lines 3D on your screen.  
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- **CalcMaster Mould Dimensions.**  
Mould dimensions for 1 to 96 cavities.  
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You can select the steel type for each separate plate.
- **CalcMaster Selection of the injection machine.**  
After the calculation from the CalcMaster Menus 1 - 2 - 3 and 4  
this module can automatically the right injection moulding machine.