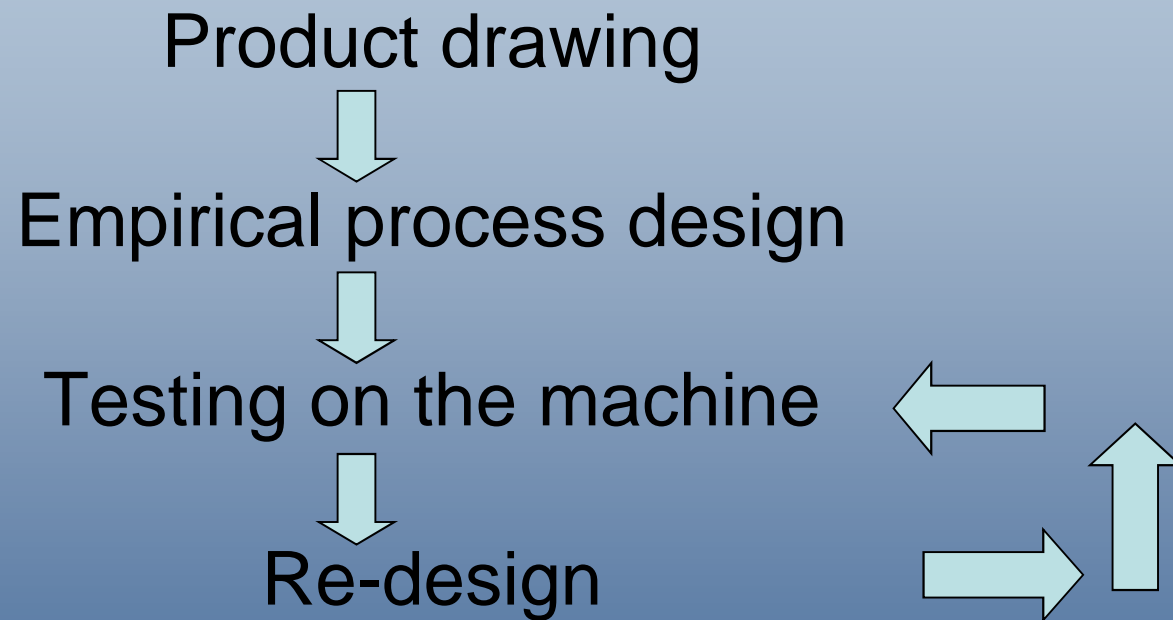


Simulation in der Umformtechnik

Simulation in metal forming

How to use it to support the
process design work and to
improve the process quality

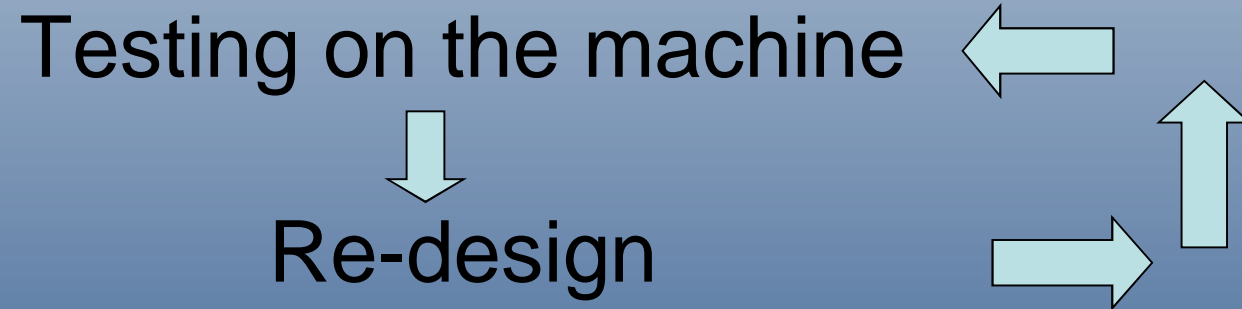
Traditional way of process development



Development cycle

Traditional way of process development

The development cycle is very cost intensive and covers a lot of uncertainties



Development cycle

Traditional way of process development

The development cycle is very cost intensive and covers a lot of uncertainties



geometrical fault in the part

Traditional way of process development

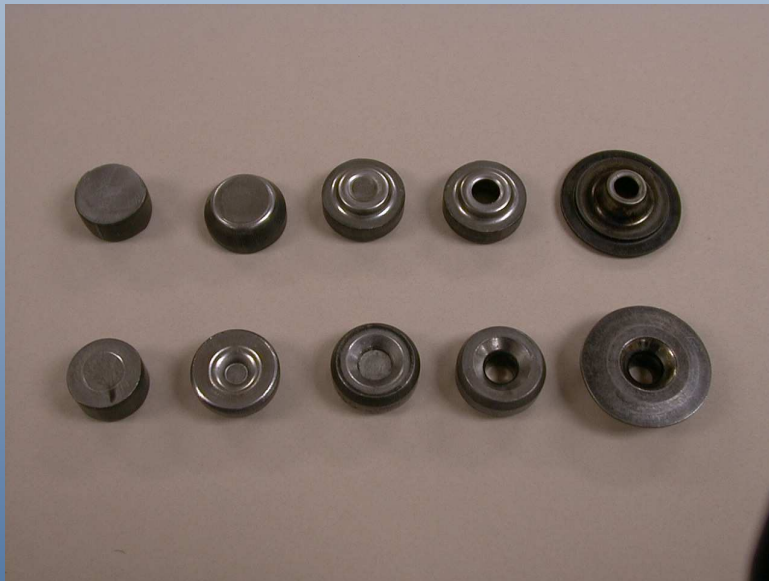
The development cycle is very cost intensive and covers a lot of uncertainties



breakage in the part

Traditional way of process development

The development cycle is very cost intensive and covers a lot of uncertainties



tool failure (punch)

Traditional way of process development

The development cycle is very cost intensive and covers a lot of uncertainties



tool failure (punch)

Traditional way of process development

The development cycle is very cost intensive and covers a lot of uncertainties



tool failure (die)

Traditional way of process development

The development cycle is very cost intensive and covers a lot of uncertainties



tool failure (die)

All these failures (and therefore costs) can be avoided by using

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How to use it :

Example application

Simulation of material flow

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How to use it :

Example application

Tool design

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How to use it :

Examples of complex
industrial applications

Examples in co-operation with Nedschroef, Belgium

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