

**THE RATIO-CHECK  
FROM RÖHM.**

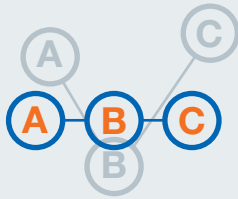


**INCREASE YOUR  
PRODUCTIVITY  
WITH THE RÖHM  
RATIO-CHECK**



# EASILY PRODUCED PROFITABLY

## OPTIMISED PARTS MANUFACTURING



## FAST CYCLE TIMES



## REDUCED MANUFACTURING COSTS



The Röhm Ratio-Check. We'll do it for you.

### 1.

#### RECORDING ACTUAL SITUATION

- Process analysis of the component or cycle step to be manufactured
- Cycle time recording

### 2.

#### OPTIMISATION APPROACHES

- Reduction of set-up times, machine running times and throughput times through multipart clamping or a 'combination clamping system' of several clamping situations on different machines

### 3.

#### ECONOMIC EFFICIENCY CONSIDERATION

- Determination of the savings potential



## INNOVATION, TECHNOLOGY, PRECISION, QUALITY – RÖHM

RÖHM has been producing clamping, gripping and handling technology for more than 110 years. Many large machine and plant manufacturers worldwide list us as a standard supplier for drill and lathe chucks, centers, robot gripping technology or clamping systems. Our products are known for their exceptional combination of robustness, precision and intelligent force and motion control. Take advantage of our expertise for your individual clamping, gripping and handling technology.

Workpiece clamping is a key success factor for efficient production and to achieve faster cycle times. An optimally adapted clamping concept gets more operating performance from your production.

Together with you, we analyse individual operations of selected workpieces or entire production steps.

Our technical consultants make application-specific recommendations for optimising your production steps. In this way you maximise main times and reduce unproductive secondary times to a minimum.



Example of multiple clamping

## Central components of productivity optimisation:

Free analysis of the ACTUAL situation in your production.

Identification of optimisation approaches to reduce set-up times, e.g.

- clamping sequence optimisation
- combination clamping and multiple clamping
- quick-change interfaces for clamping devices

## Expert tips

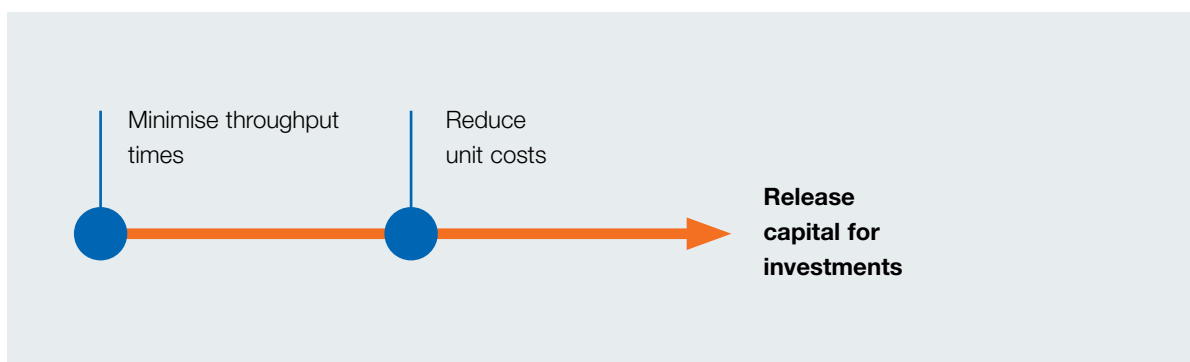
Multiple clamping, for example, can make a significant contribution to reducing unit costs. Instead of just one workpiece, produce several parts or families of parts in one clamping process.

Reduction of set-up times through quick-change systems

Realisation of higher process parameters e.g. through chucks with centrifugal force compensation for higher speeds

Easycare products extend the service life until the next maintenance; e.g. through centralised lubrication or oil bath chucks.

## How an economical production concept is created:





# INDIVIDUAL SOLUTIONS ALSO FOR YOUR INDUSTRY



**INDUSTRY**



**AUTOMOTIVE**



**RAIL TECHNOLOGY**



**AEROSPACE**



**MECHANICAL ENGINEERING**



**AUTOMATION**



**MICROELECTRONICS**



**ENERGY GENERATION**



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