

## STARK – my partner for practical and proven solutions from a single source

STARK is your partner for sophisticated automations and retrofitting projects. In close cooperation with customers, complete solutions are developed to meet the highest demands.

# Retrofitting a CNC machining center with palette changer and zero point-mounting system

What can be done if parts production should remain in-house but budgetary constraints do not allow for the new acquisitions required?  
How can the cost of parts produced be as commercially viable as outsourcing?

Faced with these questions, an automobile parts supplier went searching for a partner to retrofit its semi-automatic CNC machining center. Their aim was adding a palette changer that would enable setting-up and removing parts parallel to the processing lines. Without these measures, every shift would require a second co-worker.

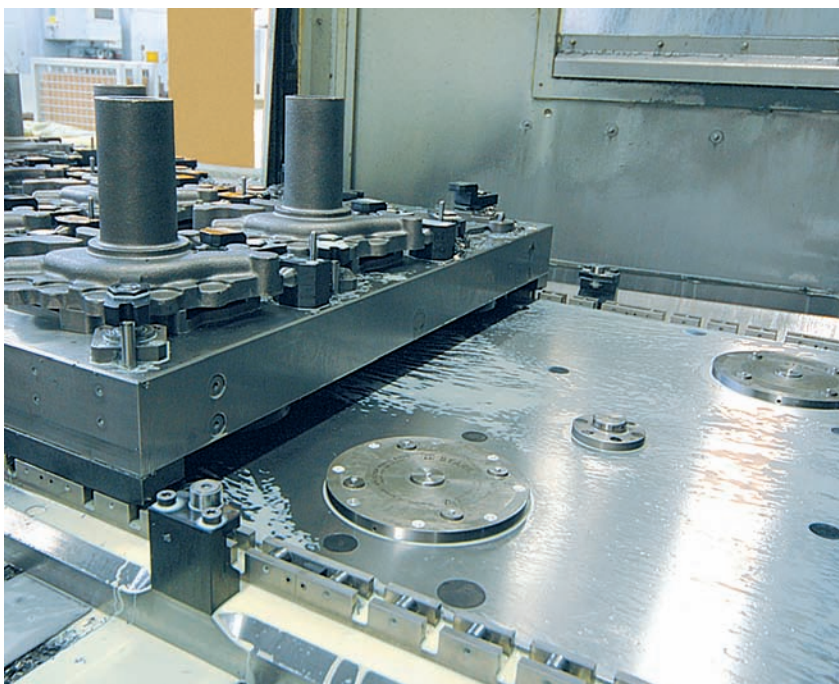
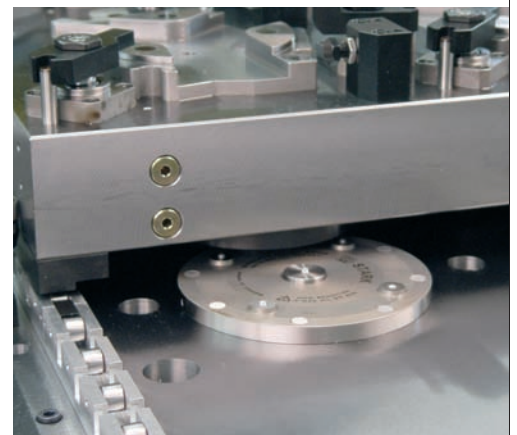
The comprehensive solution offered by STARK was found to be more effective than the offers made by the competitors:

Using a zero point-mounting system made the need for expensive reconstructions unnecessary. Only minimal changes were required at the CNC machining center: Only a plate with six SPEEDY *Sweeper* assembly elements was added to their working table.

In addition, STARK provided a completely autonomous palette changer, which helped to load the zero point-mounting system, as the existing CNC had no hydraulic supply lines.

With pneumatic activated retractable clamping nipples, the stroke of the zero point mounting system is significantly reduced and zero point mounting is guaranteed even under difficult handling conditions or tricky setting up situations.

Recessed retractable nipples permit even the heaviest of palettes to be moved and positioned on ball roller strips and then lowered hydraulically onto the automatic clamping devices.





## At STARK we...

...develop and construct our products in our own development section. Therefore, we can always take your wishes and special requirements into consideration and provide you with the most suitable solution.

For the production of SPEEDY mounting systems, only high quality materials are used. This results in high wear resistance and a long service life.

High demands on quality assurance and an air-conditioned testing department provide for a consistently high product quality.

Take advantage of the expertise of our specialists to automate your machine park.

### Synergized competence:

We are members of the Roemheld Group and our customers benefit from the synergies created by our co-operation with other competent technology companies. The Roemheld Group is globally orientated and serves industrial customers all around the world.



**ROEMHELD**

Mounting technology  
Assembly and handling  
technology  
Linear units  
Machine sets



**HILMA**

Flexible mounting systems  
Machine vices  
Tool mounting technologies



**FTW**  
Rundtischsysteme

Innovative round  
table systems



**FRIEDRICHSHÜTTE**

Gray cast iron and  
spheroidal casting of  
complex cast parts



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