



DESIGN OF A

HIGH-PERFORMANCE MACHINE

FOR THRUST WASHERS



DESIGN OF A HIGH-PERFORMANCE CNC MACHINE FOR RAILWAY INDUSTRY

The customer came to us with a problem.
He purchased the latest model of very expensive
Fanuc CNC machine...

...for manufacturing metal parts used in railway
industry...





DESIGN OF A HIGH-PERFORMANCE CNC MACHINE FOR RAILWAY INDUSTRY

Following problems were recognized during operation of this machine:



Require precise, time-consuming positioning on the table



Often damage tools



achieve the desired machining times only with the most expensive tools

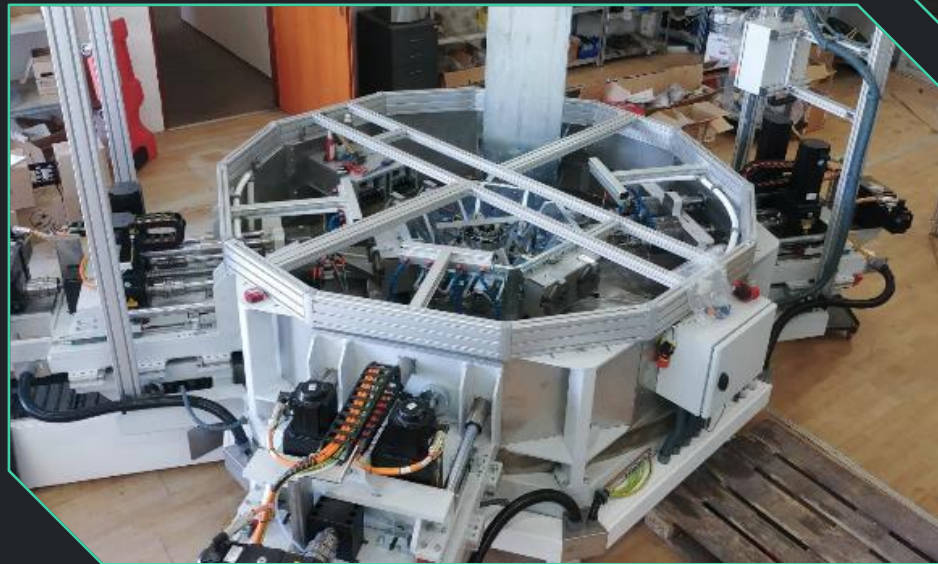


Although the processing time was short, the long unloading / loading time increased the complete cycle time



DESIGN OF A HIGH-PERFORMANCE CNC MACHINE FOR RAILWAY INDUSTRY

Unitem proposed a machine tool with a
multispindle rotary table



- As a result, the 3 operations were performed in parallel
- Cycle time reduced from 60 to 10 seconds
- Frequency of tool damage has by lowered more than 50 %



DESIGN OF A HIGH-PERFORMANCE CNC MACHINE FOR RAILWAY INDUSTRY

Unitem proposed a machine tool with a
multispindle rotary table

- The cheapest tools can be used
- Easily changeable tools





Thank you for your attention