

# CASE HISTORY Adapter

On Mikron NRG

Downsize your production costs!



## THE NEW GENERATION OF TRANSFER MACHINES

The completely modular Mikron NRG transfer machine impresses with its high precision, flexibility with up to 30 simultaneously working units, and highly productive 6-sided machining for the manufacturing of a broad spectrum of applications.

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[www.youtube.com/mikrongroup](http://www.youtube.com/mikrongroup)  
[www.mikron.com](http://www.mikron.com)

**MIKRON**

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### The challenge

- 5 different "Adapter Plate" models. Length from 15 to 35mm
- Material: AlMgSi starting from bar Ø 57mm
- Operations: from 30 to 40 according to the type
- Target tolerance:  $\pm 6\mu\text{m}$  with Cpk 1.33
- Yearly volume: 750'000 pcs on 3 shifts



### The traditional solution

Production area: **193 m<sup>2</sup>**



Required machines: **5 machining + 2 measuring\***



**18 employees**



Setup time: **60 Min.**



Productivity: **750'000 pcs/year**



\* 5 double- spindle machining centers with motorized tools  
2 measuring systems (100% control)

### Mikron: The innovative solution

Production area: **127 m<sup>2</sup>**



Required machines: **1 Mikron NRG\*\***



**3 employees**



Setup time: **60 Min.**



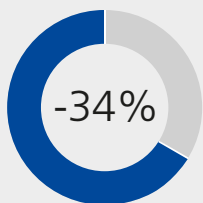
Productivity: **1'500'000 pcs/year**



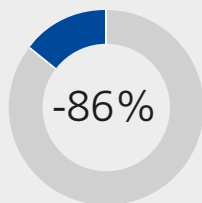
- Efficiency: 92%, Precision:  $\pm 4.5\ \mu\text{m}$

\*\* System integrated with: bar saw Mikron TB-200, robotized measuring station, palletized system, bar loader, filtration

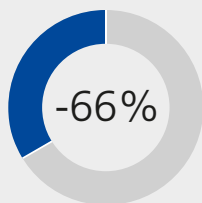
### Your advantage



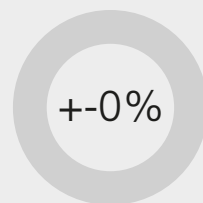
Production area



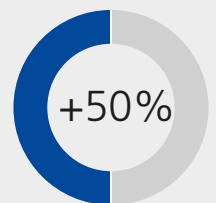
Machines



Employees



Setup time



Productivity