CASE HISTORY Adapter
On Mikron NRG

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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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: ± 6μm with Cpk 1.33
- Yearly volume: 750’000 pcs on 3 shifts

The traditional solution
Production area: 193 m²
Required machines: 5 machining + 2 measuring*
18 employees
Setup time: 60 Min.
Productivity: 750’000 pcs/year

Mikron: The innovative solution
Production area: 127 m²
Required machines: 1 Mikron NRG**
3 employees
Setup time: 60 Min.
Productivity: 1’500’000 pcs/year
- Efficiency: 92%, Precision: ± 4.5 μm
** System integrated with: bar saw Mikron TB-200, robotized measuring station, palletized system, bar loader, filtration

Your advantage
-34% - Production area
-86% - Machines
-66% - Employees
+0% - Setup time
+50% - Productivity

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