

Our Mission

As global experts in aluminum manufacturing, our mission is to drive the development of sustainable mobility and improve the quality of life for all of us with creative, smart and sustainable aluminum solutions.

NEUMAN group

2500 Employees
6 Countries
240 Years of experience
550 Mio € Revenue (2024)
12 Plants

Casting Impact Extrusion **Direct Extrusion** Profile processing & forming (PWG)

Machining, processing & assembly

Automated welding (MIG, FSW, laser welding)

2.800 to max. press force

more than 13 alloys

~30.000 to/year of direct extruded profiles 

more than 6.000 profile corss-sections active

Profile width up to 220 mm

Profile length up to 7,50 m



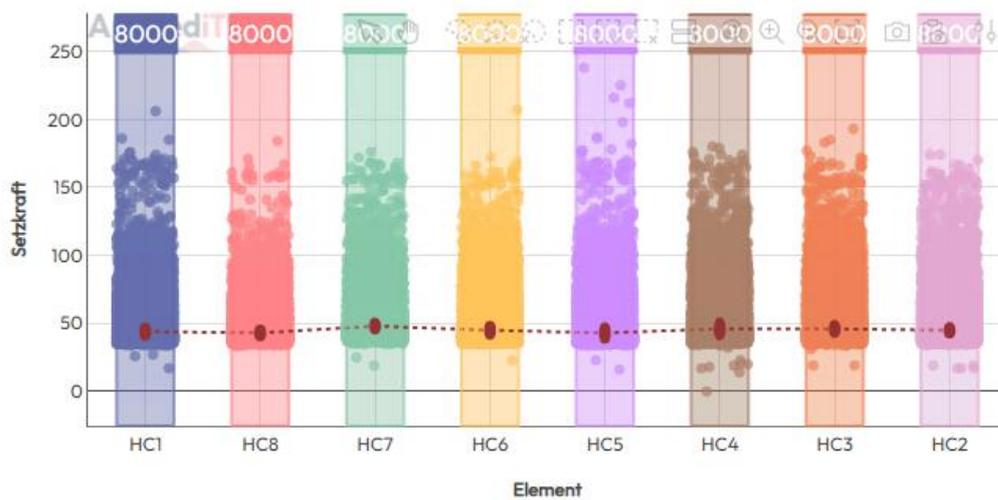
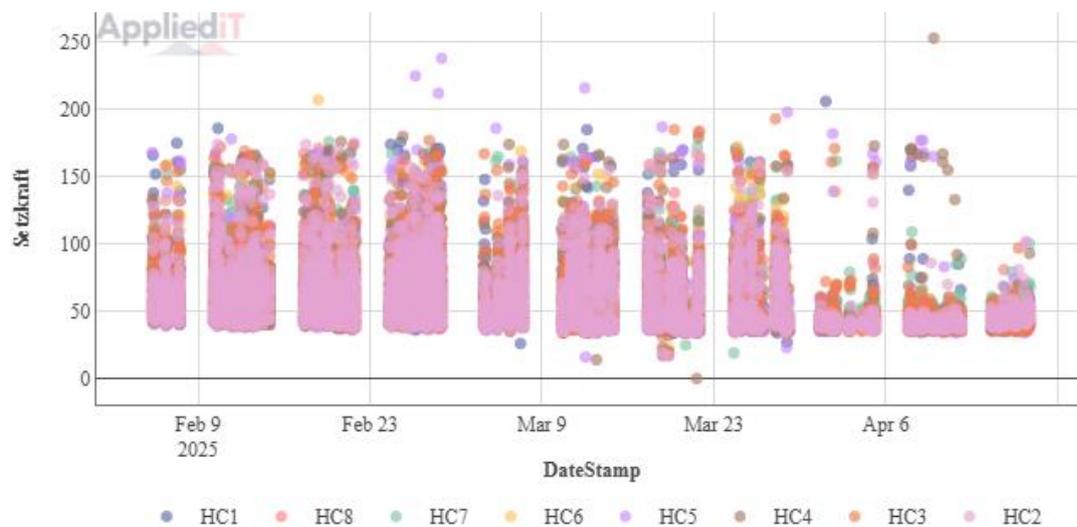
Success Story

preventing costs for rework and scrap
discovery of broken tools

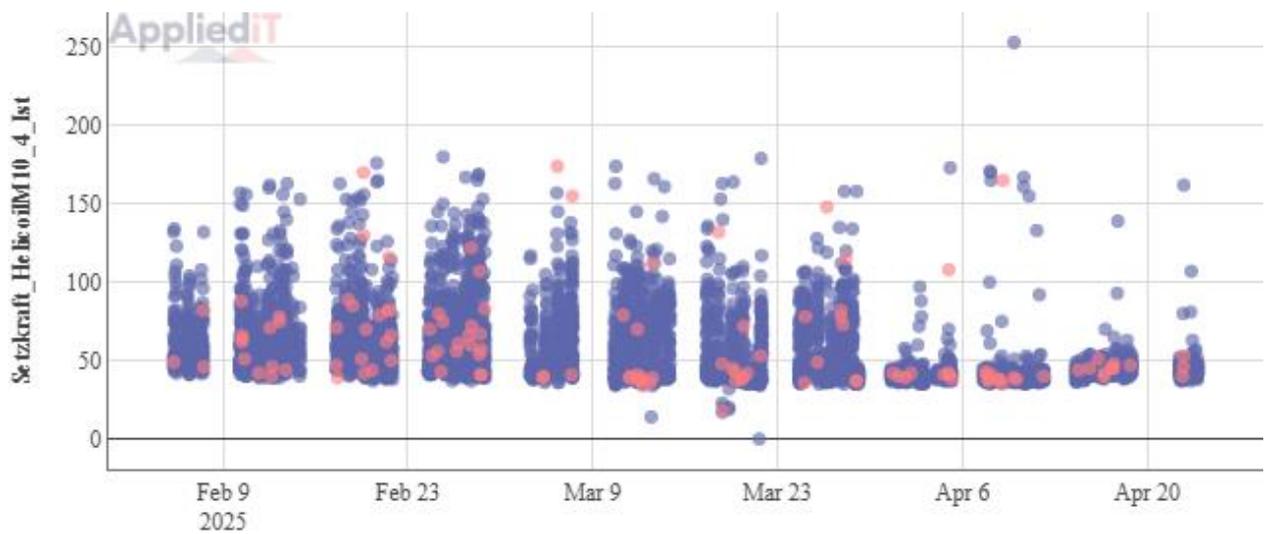
Initial situation

Looking for improvements of the final camera check for existing mounted assembly parts and analyzation of appearance of failures in the mounting process, we made an interesting discovery of a jump of one monitored process parameter for the mounting of 8 Helicoils.

Overview



Detail of one Helicoil



The exceeding of limits of the monitored force expenditure causes a high number of parts to rework and parts to scrap.

Looking for a reason of the jump of the necessary force expenditure, we found the root cause in the maintenance book of the milling machine. Shortly before the jump, some clamping supports have been changed, because a hidden damage of them became visible.

Results

Thanks to the fast and simple implementation of RTM Pro, we can see on the one side how the process parameters change over time and on the other side we can detect failures in hidden quality influencers easier and prevent rising rework in the future. Without the examination with RTM Pro we surely would not take care of the dependency in the pre-process in this case like now.

The values of the FTQ (First Time Quality) increased by nearly 12% -> from 83,8% to 95,4%!

