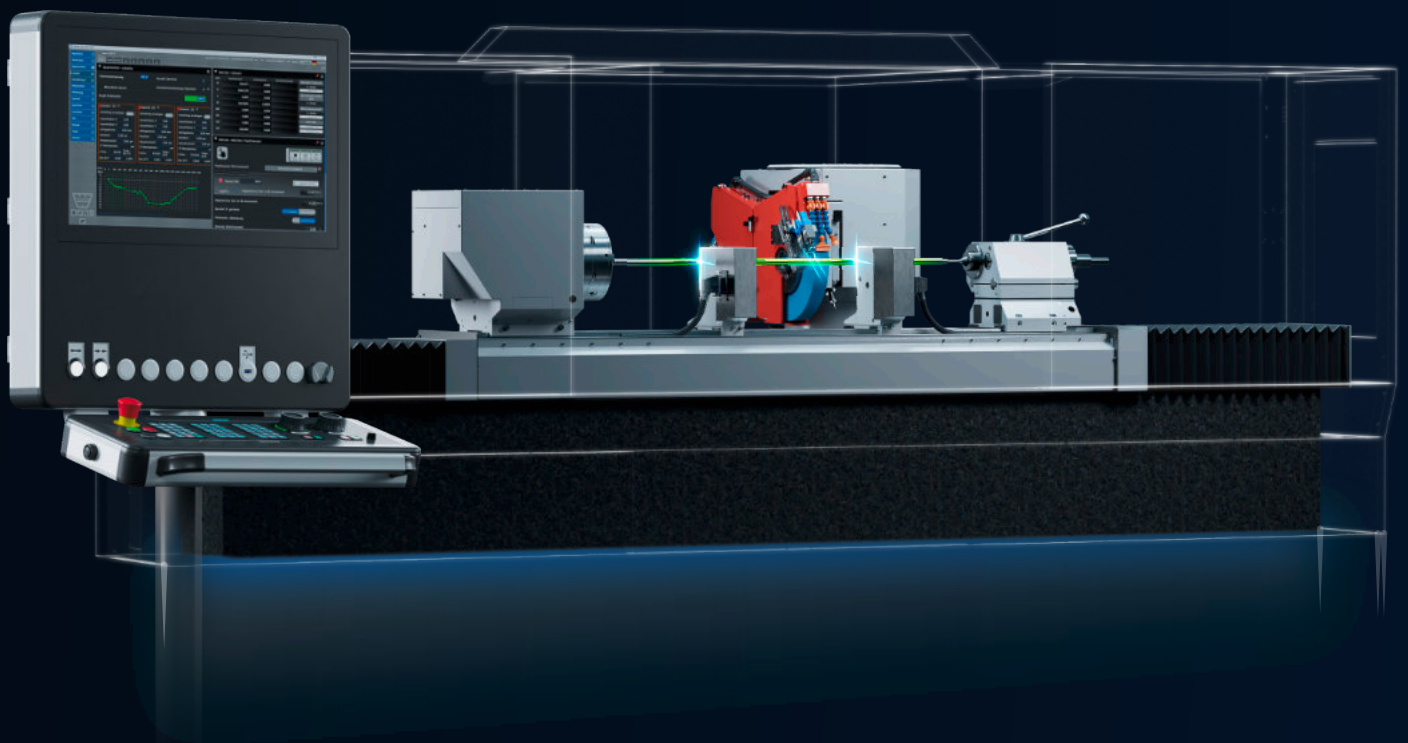


WOTAN® Dynamic Rest

Fully automated hardware and software solution for closed-door grinding of long, slender workpieces using our innovative dynamic position correction



THE NSH GROUP

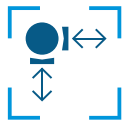


WOTAN® DYNAMIC REST

WOTAN® Dynamic Rest

LONG, SLENDER PARTS AUTOMATICALLY PERFECT

Long, slender precision parts, especially clamped between centers, come with their own challenges: deflection and distortion, e.g. from heat treatment, lead to out-of-roundness in the part. Until now, only highly experienced specialists have been able to correct such errors in the grinding process – at considerable time expense.



Dynamic beats Static

Because steady rests have traditionally been static machine components, we had to completely redefine the steady rest for grinding applications.

With a unique positioning accuracy in the sub-micrometer range and the ability to dynamically correct the position of the workpiece during the grinding process, we have created a new product category that meets increasing demands for accuracy, even in previously ›difficult‹ workpieces – **WOTAN® Dynamic Rest**.



Two Sizes
Dynamic Rest S + L



temperature sensing
for high process consistency



0,3µm Accuracy
precise Positioning



coolant-cooled
for minimal wear



**The experience of generations –
combined in innovative hardware and intelligent software –
available immediately, no years of specialized training required**

With our newly developed dynamic steady-rest system, we combine decades of grinding expertise in a unique combination of sensing technology, software and active position correction. Measuring probes monitor dimensional accuracy and correction requirements, while a WOP™ Touch module fully automatically controls one or more WOTAN® 2-point dynamic rests for real-time position correction.

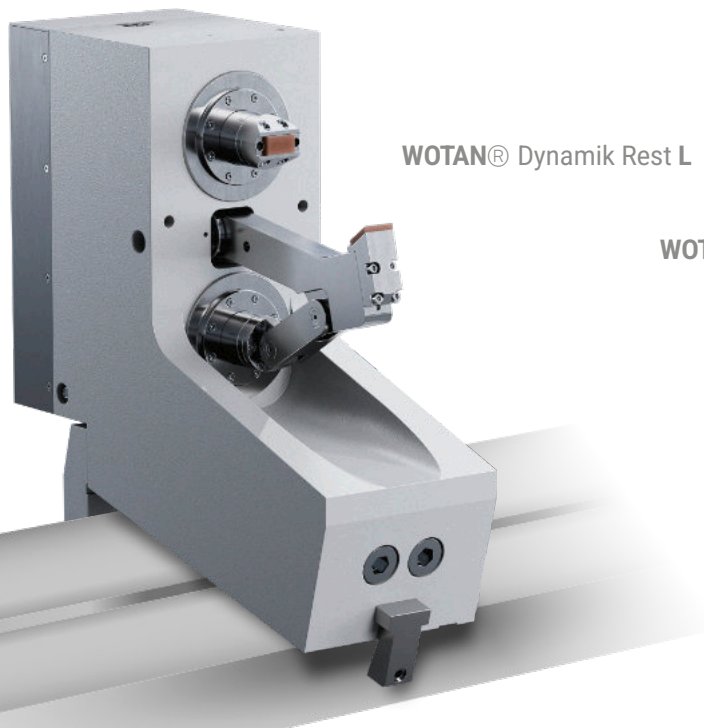
The entire grinding process takes place in closed-door machining without manual operator intervention – saving time, increasing precision and preventing errors. Distortion is actively ground out – for maximum precision without the barrier of expert-only know-how. Integrated into WOP™ Touch, it eliminates the need for your employees to have many years of experience in steady-rest operation.



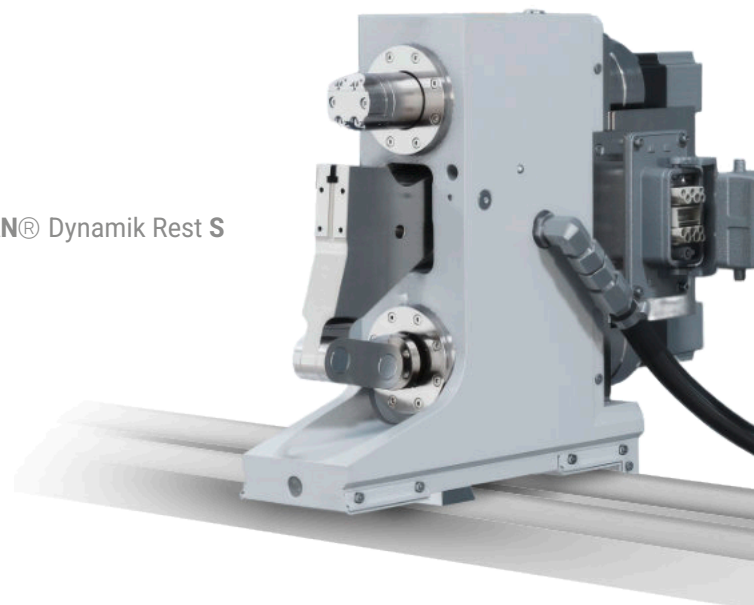
Dynamic Rest S: Ø10–130mm
Dynamic Rest L: 120–250mm



Variable dynamic rest inserts
· Wood · Pertinax · Miramid · Brass · Carbide



WOTAN® Dynamik Rest L



WOTAN® Dynamik Rest S



WOTAN®-I
INTERNAL GRINDING



WOTAN®-U
UNIVERSAL GRINDING



WOTAN®-A
EXTERNAL GRINDING



WOTAN®-W
ROLLING BEARING





Special Solutions
TAILORED PRODUCTS





We would also be pleased to demonstrate the intuitive operation and the potential on our **WOTAN®** demonstration machines at our headquarters in Glauchau, where we also perform sample and contract grinding services.

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