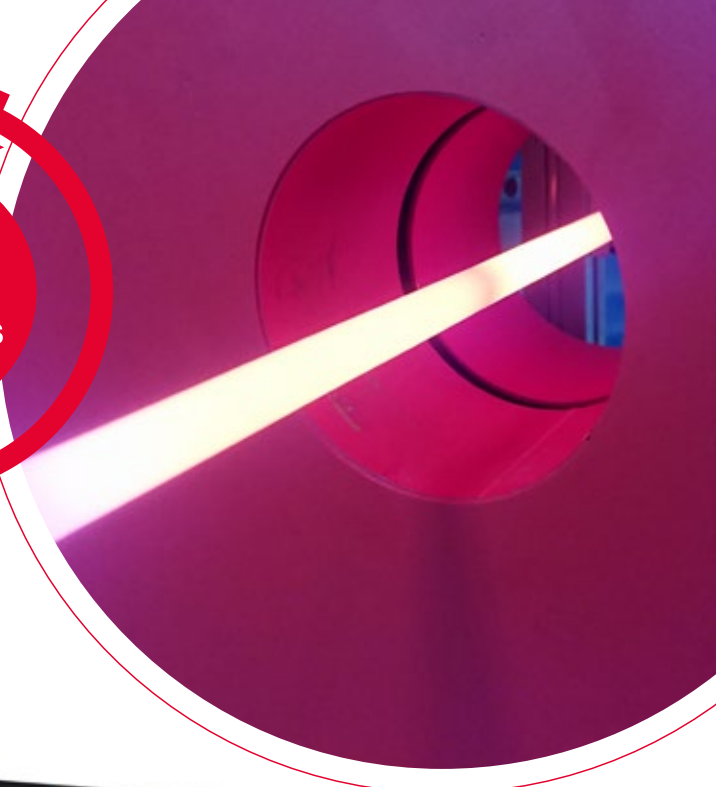


NEXTSENSE

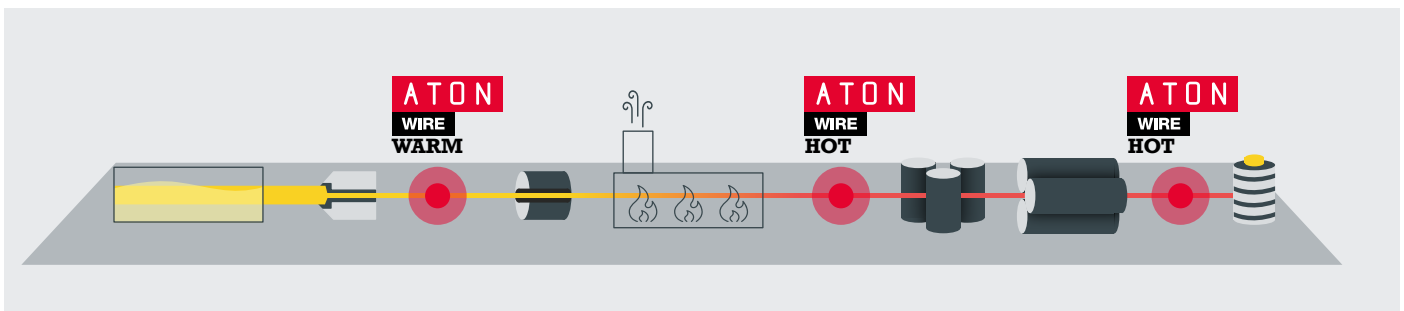
ATON WIRE

ATON WIRE IS A DIAMETER & OVALITY GAUGE FOR CONTINUOUS MONITORING OF ROLLING AND DRAWING MILL PRODUCTION. TO MEET CHALLENGING RETURN-OF-INVESTMENT REQUIREMENTS NEXTSENSE OFFERS HIGH ACCURACY AT A REASONABLE PRICE.

The ATON Wire gauges measure diameter and ovality of round profiles with a two-axes shadow sensor, a 50 mm measurement range and an accuracy of 5 μm . Depending on the material temperature and environment conditions you can choose between three product versions. Benefit from enhanced product quality and higher throughput in your production and increase yield by choosing an ATON Wire system. Choosing a sophisticated profile measurement system allows for maintaining dimensional accuracy over the entire coil length and enables you to take immediate corrective actions after the detection of deviations.



PRODUCTION APPLICATION AREAS





ATON WIRE COLD

Material condition	Cold < 40°C
Environment condition	Clean < 40°C
Dimensions	Width: 430 mm Height: 530 mm Depth: 100 mm Passline: 300 mm Diagonal axes
Use cases	Wire drawing Cold rolling mills Peeling, grinding and polishing of bars and wires

ATON Wire Cold uses a protective housing. The scope of supply consists of the measurement frame with all necessary electronics included and a PC connected by Ethernet to the frame (<100m) or fiber optic (<2000m).

ATON WIRE WARM

Material condition	Warm < 200°C
Environment condition	Clean < 50°C
Dimensions	Width: 600 mm Height: 535 mm Depth: 130 mm Passline: 285 mm Horizontal/vertical axes
Use cases	Wire drawing (especially in warmer environment) Continuous wire annealing and pickling in drawing process (with wires having a higher temperature) Cold rolling mills (with wires having a higher temperature) Peeling, grinding and polishing of bars and wires (especially in warmer environment) Jacketing by plastics extrusion for tubes (with plastic still warm) Hydraulic Extrusion in semi-hot stage

ATON Wire Warm uses an insulated housing and active cooling to maintain the temperature range for the sensors even in warm environment and higher material temperature. The scope of supply consists of the measurement frame, a connection box to be installed close to the frame (<10m) and a PC connected by Ethernet (<100m) or fiber optic (<2000m).



ATON WIRE HOT

Material condition	Hot < 1200°C
Environment condition	Dirty < 50°C
Dimensions	Width: 580 mm Height: 580 mm Depth: 152 mm Hole diameter: 100 mm Passline: 290 mm Horizontal/vertical axes
Use cases	Intermediate stands in hot rolling mills Final stand for low throughput mills Continuous casting/rolling of copper rods Hydraulic Extrusion in semi-hot stage

ATON Wire Hot uses active temperature control to maintain the temperature range for the sensors together with purge air to keep the optical components free from dust and humidity. The scope of supply consists of the measurement frame, a connection box and a blower box to be installed close to the frame (<10m) and a PC connected by Ethernet (<100m) or fiber optic (<2000m).

