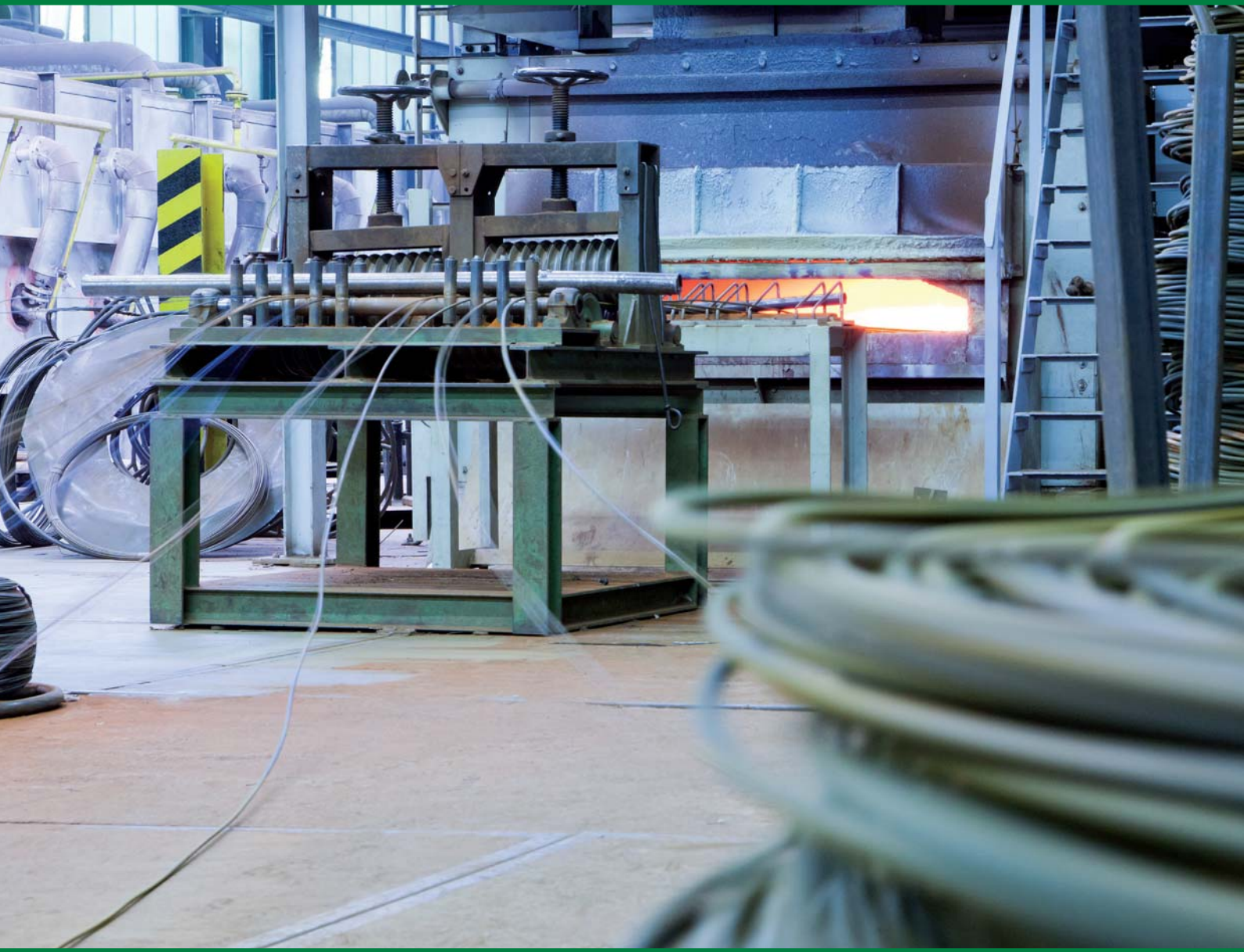




**Innovation. Precision. Reliability.**



# DRAHTWERK WAGENER



Wire in the different quality grades and diameters of 0.5 to 10.0 mm.

In process-optimised production plants, we draw wire in many different surfaces. This includes, among others, dry bright phosphated, dry bright reddish, bright wet drawn or hot-dip galvanised drawn.

From raw material to modern patenting and steep galvanising plants, automatic pickling plants and process-automated drawing plants up to our customer-aligned packaging, our certified production process consistently guarantees the highest quality.



## Precision and Customer Orientation.

More than 150 years of experience, current market know-how and flexibility of a medium-sized company, in particular on international markets guarantee products and solutions that are perfectly aligned with your individual requirements.

WAGENER produces spring steel wire and steel wire according to the current national and international standards and individual acceptance standards. Highly developed technologies and state-of-the-art production technologies - like the fully automatic etching system - stand for highest quality and precision. Certified production processes guarantee continuity of our high quality and warrant timely deliveries aligned with your internal processes. Integration in the KÜNNE Group permits us to react even more flexible and faster to the requirements of international markets.

DRAHTWERK WAGENER produces unalloyed, patented spring steel wires for technical springs, upholstery and screen steel wires, rope wires, square and flat wires of Ø 0.5 mm to Ø 10.0 mm.

DRAHTWERK WAGENER has the objective to offer added value in cooperation to the customer. We optimise processes and communication along the value-added chain.



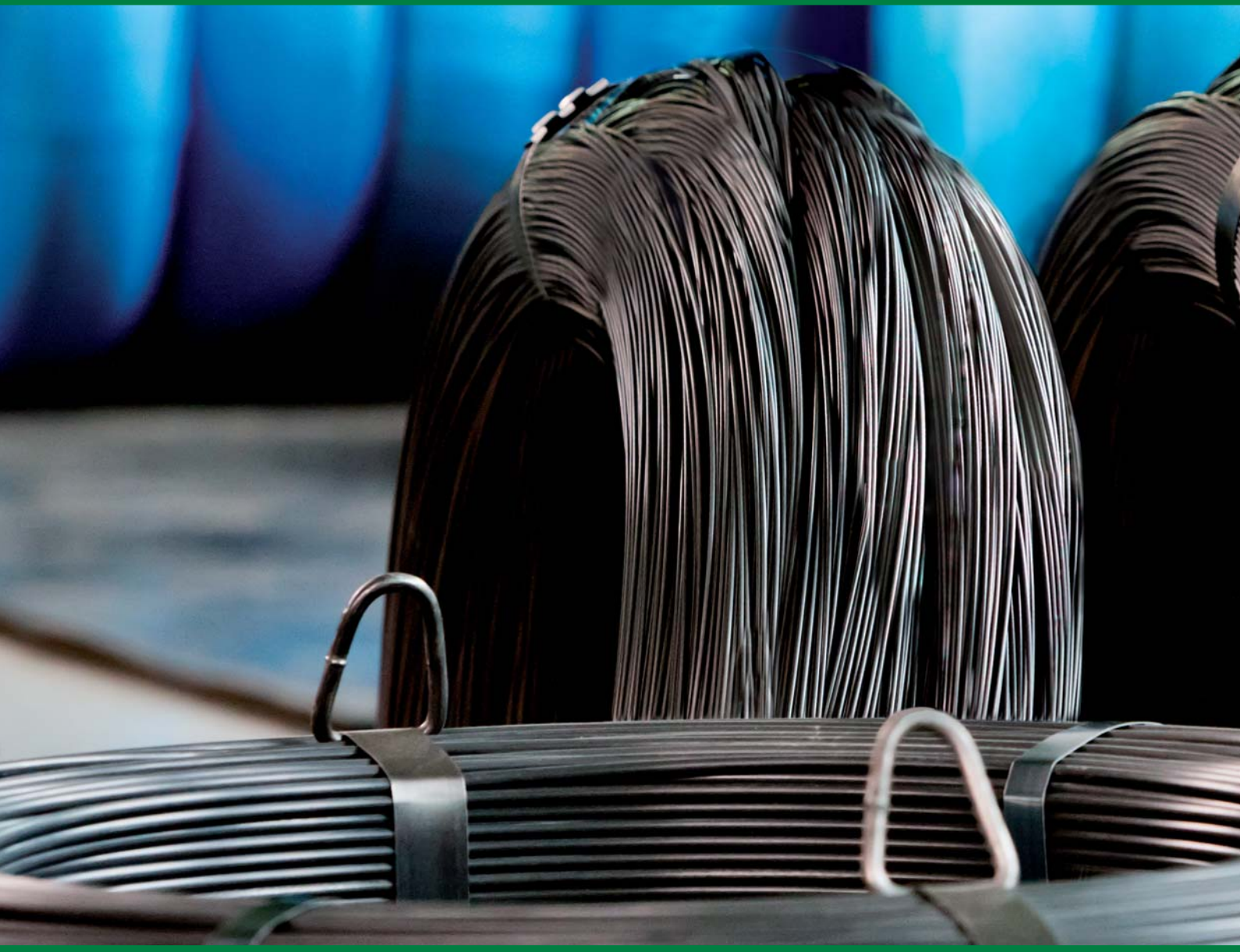
The automatic pickling plant works efficiently and guarantees reliable quality.



The rod wire inspected before further processing is waiting for the production process in our comprehensive raw material storage.



# Highest Quality.



## Products and Service.

The practical range of spring steel and steel wires in all common diameters, surfaces and packages offers solutions for nearly any demand. Our comprehensive stock-keeping with semi-finished goods and finished products permits to meet nearly any demand and permits you to make reliable time and cost calculations. The certified and process-optimised production – connected to production-accompanying

quality inspections – guarantees consistently best quality. This applies for our products as well as for our services.

Together with our long-term customers, we individually develop adjusted solutions in a partnership.

We jointly develop product innovations that provide our customers competitive benefits.





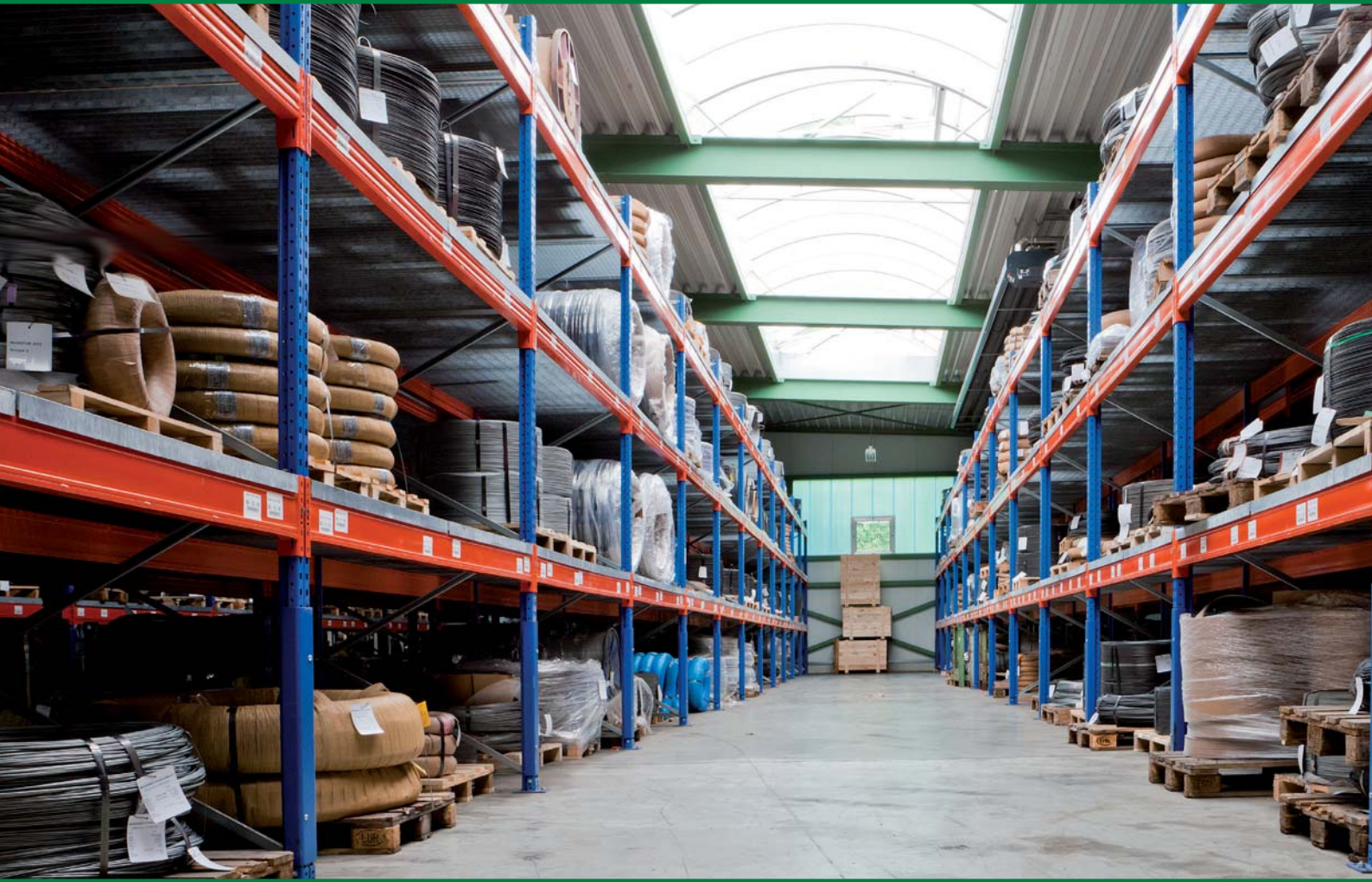
Packages to individual customer wishes. From a classic former to coils packed for overseas transport. We also meet customer-specific requirements (e.g. Bosch-Norm).



Continuous quality inspections: Computer-supported inspections performed by persons warrant reliability in any diameter.



# DRAHTWERK WAGENER Range:



Production range spring steel wires according to DIN EN 10270-1

ø in mm		0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5
SL	ph	0,5																		10,0
	Z	0,7													7,0					
	rd	0,5																		10,0
SM	ph	0,5																		10,0
	Z	0,7													7,0					
	rd	0,5																		10,0
SH	ph	0,5																		10,0
	Z	0,7												6,5						
	rd	0,5																		10,0
DM	ph	0,5																		10,0
	Z	0,7													7,0					
	rd	0,5																		10,0
DH	ph	0,5																		10,0
	Z	0,7												6,5						
	rd	0,5																		10,0

Spring steel wires with other surfaces are available on request. Other diameters are available on request.



## Spring steel wires from Ø 0,5 – 10,0 mm

- Technical spring steel wire according to all national and international standards
- Spring steel wire for upholstery
- Steel wire for rolling and spiralling
- Square and flat wires based on standards
- Special wire for shot peening
- Automotive industry
- Agricultural applications
- Engineering
- Electrical engineering



### Production range spring steel wires according to DIN EN 17223/1

ø in mm		0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5
Type																				
A	tr bk phr/ph	0,5																		10,0
	no zn/Z	0,7													7,0					
B	tr bk phr/ph	0,5																		10,0
	no zn/Z	0,7													7,0					
C/D	tr bk phr/ph	0,5																		10,0
	no zn/Z	0,7												6,5						

Spring steel wires in category II or wires with reddish surface are available on request. Other diameters are available on request.

### Packaging

ø in mm		0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5
Packages																				
Former				1,3																10,0
Cardboard core				1,3							5,0									
Z-3-Coil				1,4																10,0
Z-2-Coil			0,8						3,6											
Spool 17			0,7			2,5														
Coil																				

Packaging units provided by the customer can be filled upon agreement.



## DRAHTWERK WAGENER

Innovation. Precision. Reliability.

- Fully automatic pickling system.
- State-of-the-art patenting and galvanisation technology.
- Comprehensive product range.
- Automatic production for high flexibility.
- 3,000 m<sup>2</sup> shipping and storage area.
- Quality control during production.



**DRAHTWERK WAGENER**  
STAHL DRAHTWERKE ALTENA 

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